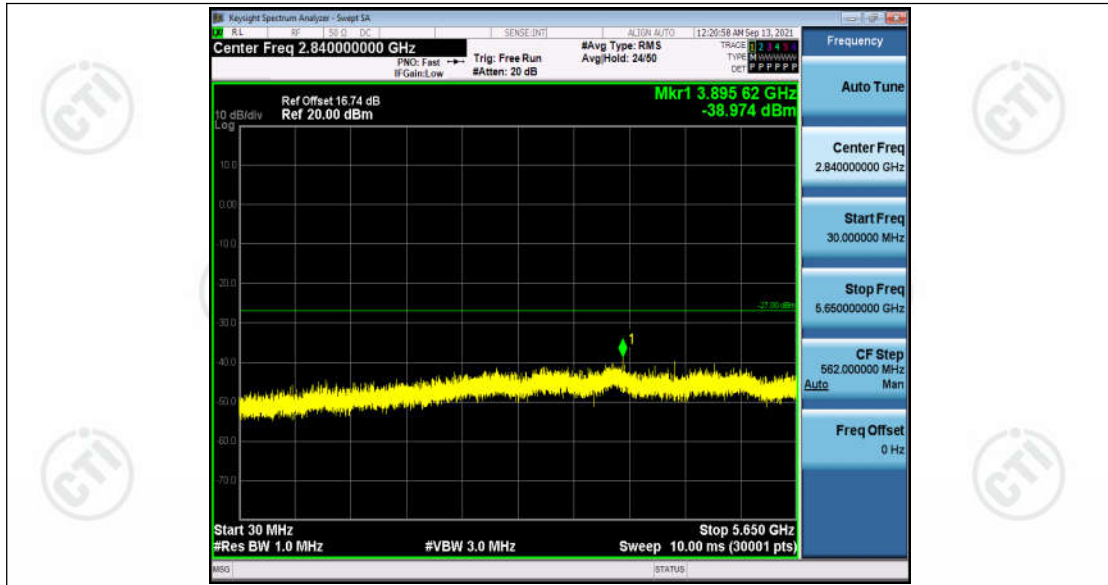


11N20SISO\_Ant1\_5745\_30~5650



11N20SISO\_Ant1\_5745\_5925~40000



11N20SISO\_Ant1\_5785\_30~5650



11N20SISO\_Ant1\_5785\_5925~40000



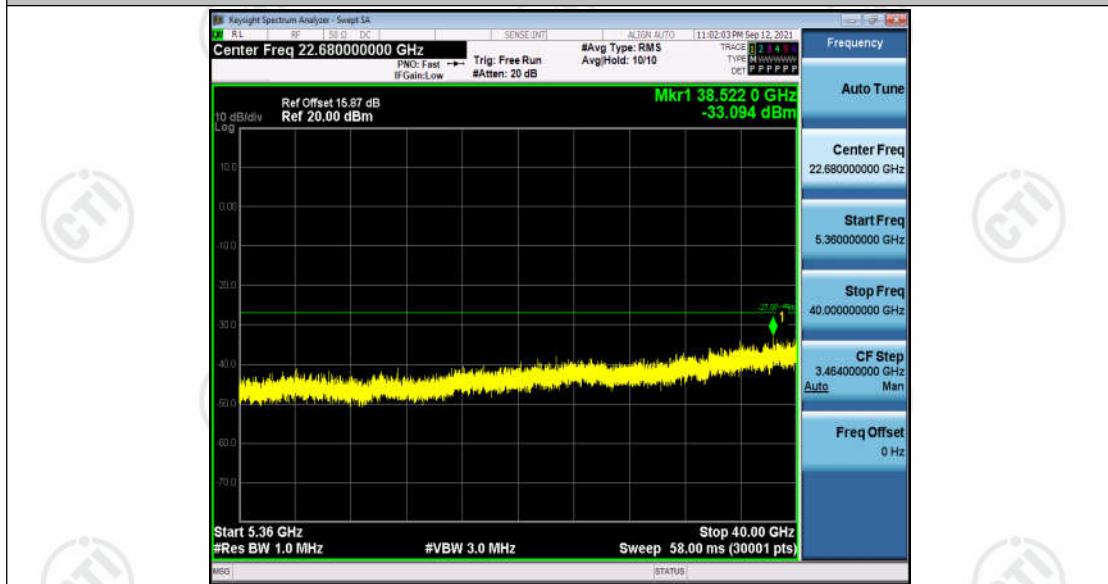
11N20SISO\_Ant1\_5825\_30~5650



11N20SISO\_Ant1\_5825\_5925~40000



11N40SISO\_Ant1\_5190\_30~5140

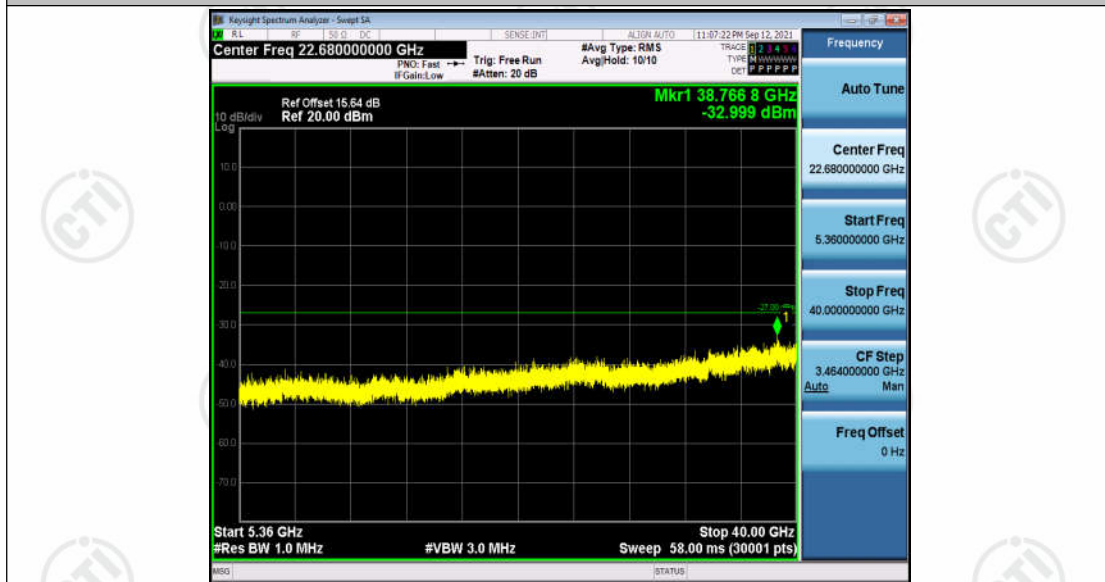


11N40SISO\_Ant1\_5190\_5360~40000





11N40SISO\_Ant1\_5230\_30~5140



11N40SISO\_Ant1\_5230\_5360~40000



11N40SISO\_Ant1\_5755\_30~5650



11N40SISO\_Ant1\_5755\_5925~40000



11N40SISO\_Ant1\_5795\_30~5650



11N40SISO\_Ant1\_5795\_5925~40000



11AC20SISO\_Ant1\_5180\_30~5140

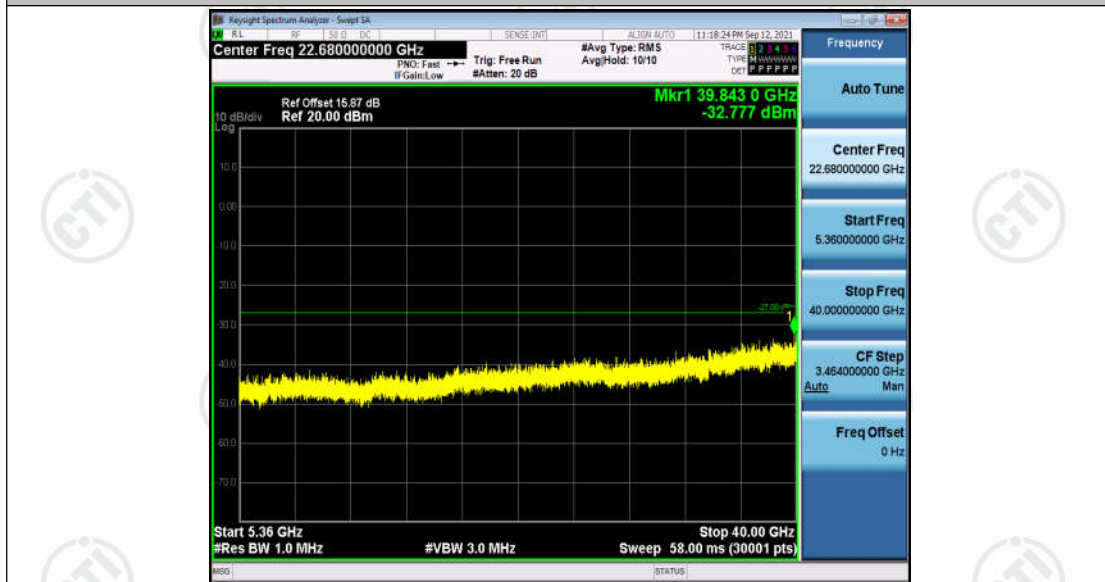


11AC20SISO\_Ant1\_5180\_5360~40000

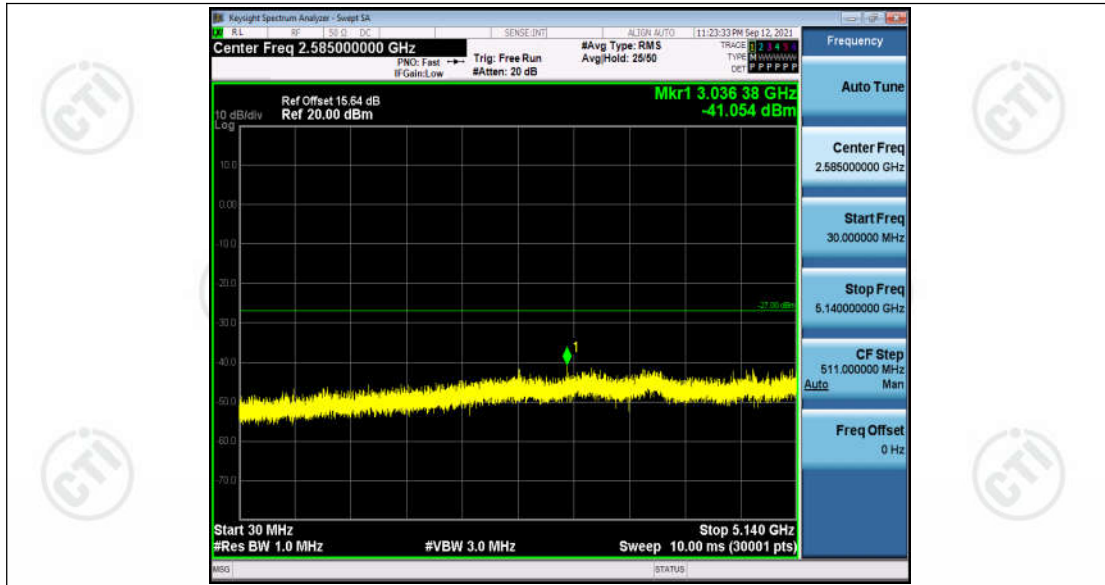




11AC20SISO\_Ant1\_5200\_30~5140



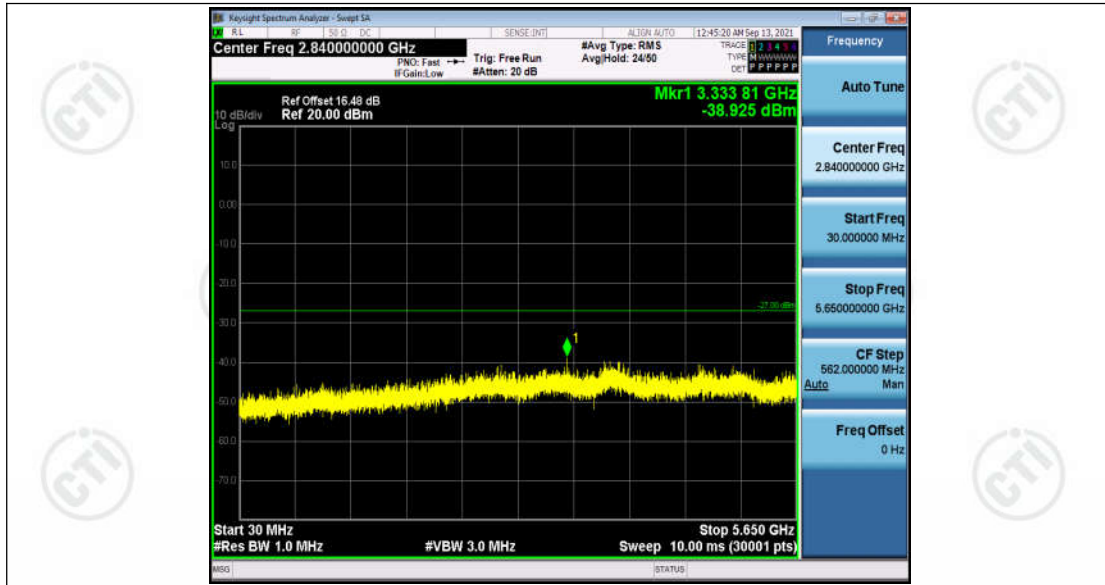
11AC20SISO\_Ant1\_5200\_5360~40000



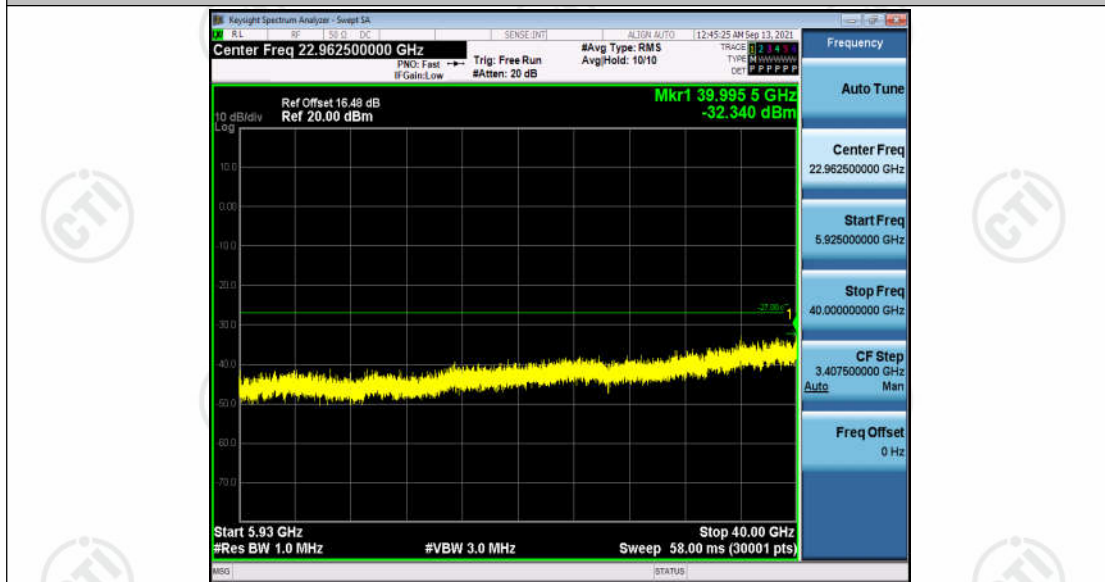
11AC20SISO\_Ant1\_5240\_30~5140



11AC20SISO\_Ant1\_5240\_5360~40000



11AC20SISO\_Ant1\_5745\_30~5650



11AC20SISO\_Ant1\_5745\_5925~40000



11AC20SISO\_Ant1\_5785\_30~5650



11AC20SISO\_Ant1\_5785\_5925~40000

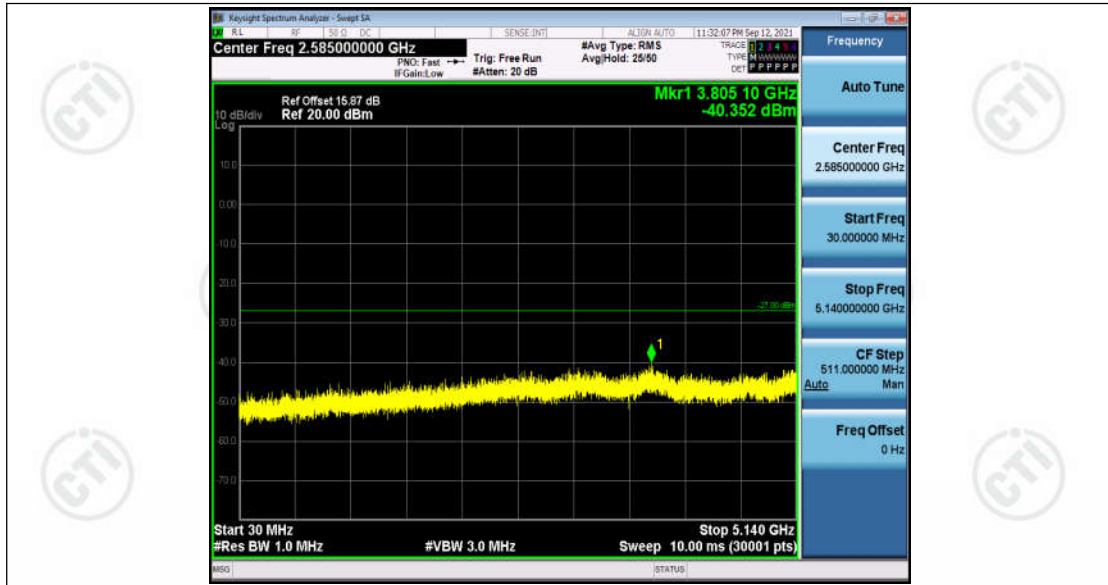




11AC20SISO\_Ant1\_5825\_30~5650



11AC20SISO\_Ant1\_5825\_5925~40000



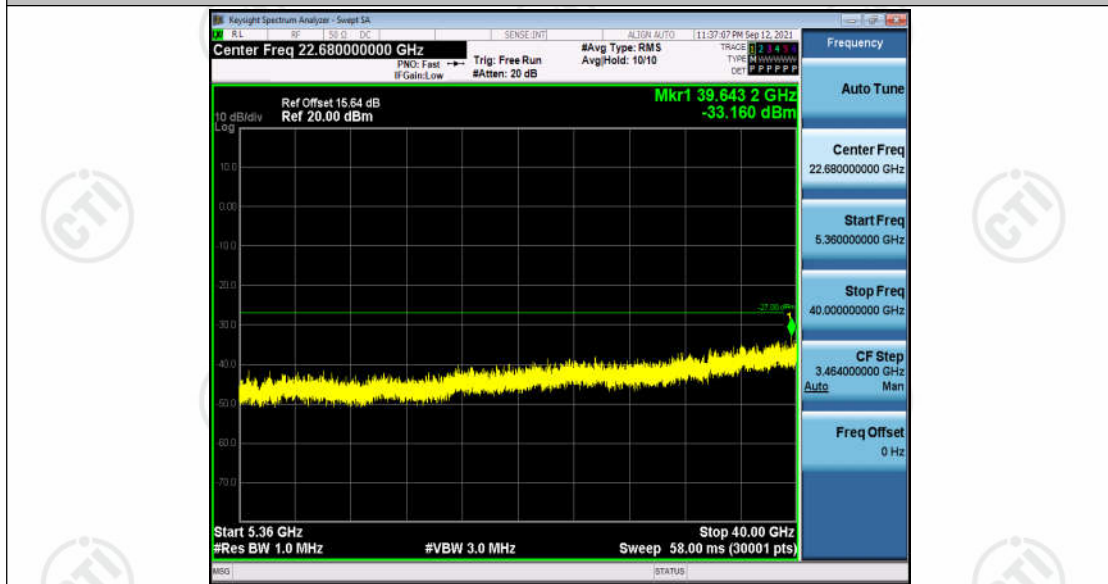
11AC40SISO\_Ant1\_5190\_30~5140



11AC40SISO\_Ant1\_5190\_5360~40000



11AC40SISO\_Ant1\_5230\_30~5140



11AC40SISO\_Ant1\_5230\_5360~40000



11AC40SISO\_Ant1\_5755\_30~5650



11AC40SISO\_Ant1\_5755\_5925~40000

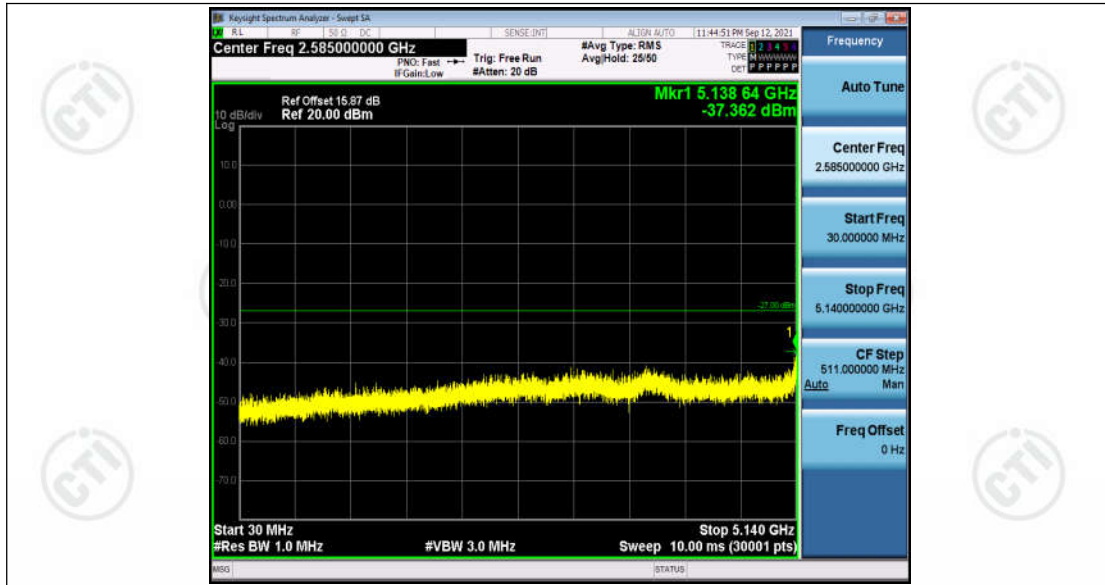




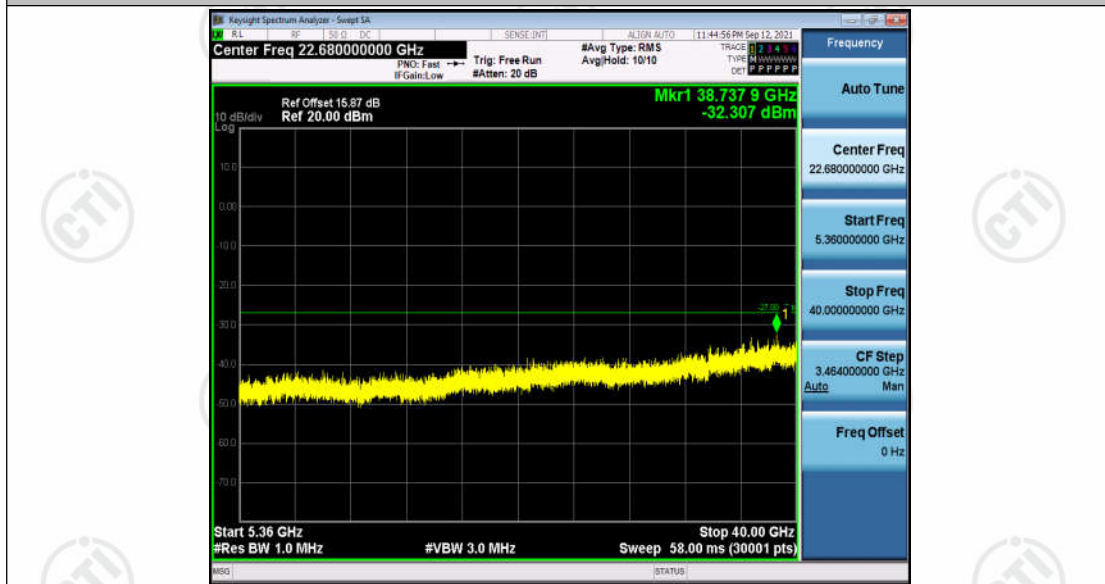
11AC40SISO\_Ant1\_5795\_30~5650



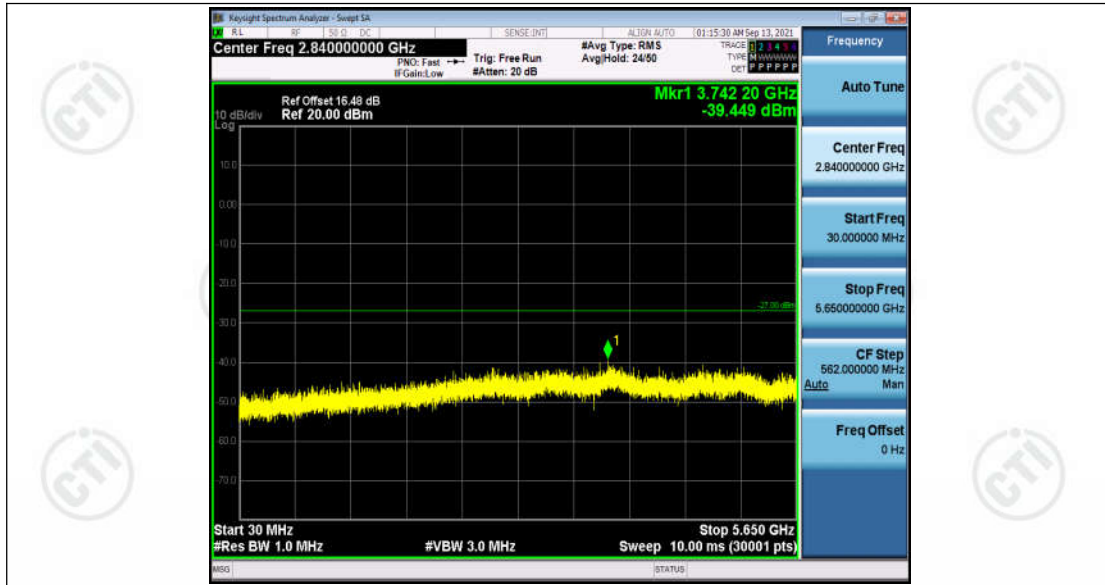
11AC40SISO\_Ant1\_5795\_5925~40000



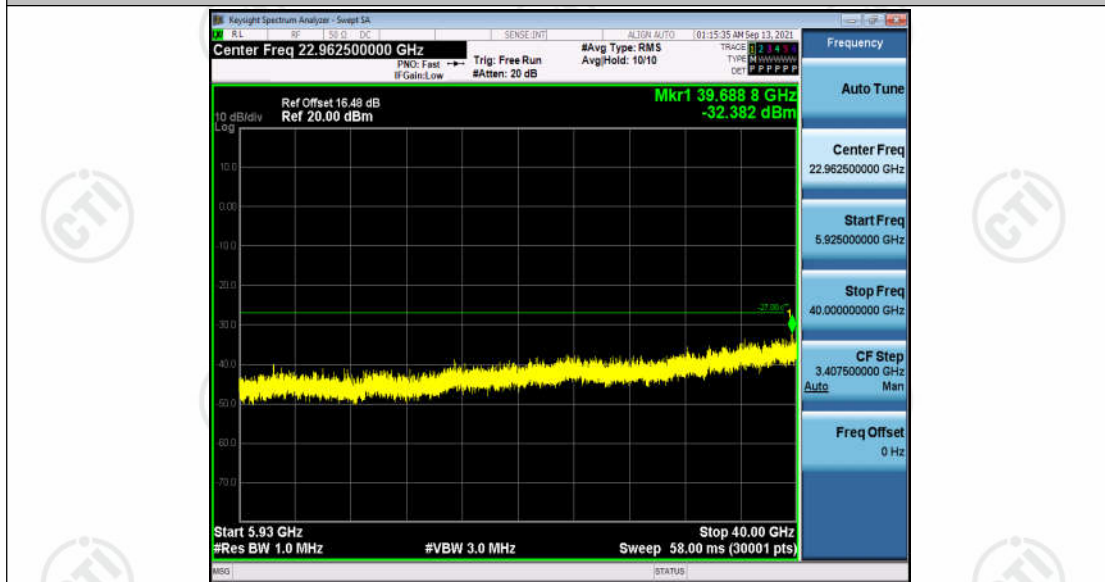
11AC80SISO\_Ant1\_5210\_30~5140



11AC80SISO\_Ant1\_5210\_5360~40000



11AC80SISO\_Ant1\_5775\_30~5650



11AC80SISO\_Ant1\_5775\_5925~40000

## Appendix F: Frequency Stability

### Test Result

Voltage								
Test Mode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	NT	-1000	-0.19305	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	0	0	20	PASS
		5200	NV	NT	-1000	-0.192308	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	-1000	-0.192308	20	PASS
		5240	NV	NT	-1000	-0.19084	20	PASS
			LV	NT	-1000	-0.19084	20	PASS
			HV	NT	-1000	-0.19084	20	PASS
		5745	NV	NT	-1000	-0.174064	20	PASS
			LV	NT	-1000	-0.174064	20	PASS
			HV	NT	-1000	-0.174064	20	PASS
		5785	NV	NT	0	0	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	0	0	20	PASS
		5825	NV	NT	0	0	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	0	0	20	PASS
11N20SISO	Ant1	5180	NV	NT	0	0	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	0	0	20	PASS
		5200	NV	NT	-1000	-0.192308	20	PASS
			LV	NT	-1000	-0.192308	20	PASS
			HV	NT	-1000	-0.192308	20	PASS
		5240	NV	NT	-1000	-0.19084	20	PASS
			LV	NT	-1000	-0.19084	20	PASS
			HV	NT	-1000	-0.19084	20	PASS
		5745	NV	NT	-1000	-0.174064	20	PASS
			LV	NT	-1000	-0.174064	20	PASS
			HV	NT	-1000	-0.174064	20	PASS
		5785	NV	NT	-1000	-0.172861	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	0	0	20	PASS
		5825	NV	NT	0	0	20	PASS



11N40SISO	Ant1	5190	LV	NT	0	0	20	PASS
			HV	NT	0	0	20	PASS
			NV	NT	0	0	20	PASS
			LV	NT	-1000	-0.192678	20	PASS
			HV	NT	0	0	20	PASS
			NV	NT	0	0	20	PASS
		5230	LV	NT	0	0	20	PASS
			HV	NT	-1000	-0.191205	20	PASS
			NV	NT	0	0	20	PASS
			LV	NT	-1000	-0.173762	20	PASS
			HV	NT	-1000	-0.173762	20	PASS
			NV	NT	-1000	-0.172563	20	PASS
5755	LV	NT	-1000	-0.172563	20	PASS		
	HV	NT	0	0	20	PASS		
	NV	NT	-1000	-0.19305	20	PASS		
	LV	NT	0	0	20	PASS		
	HV	NT	0	0	20	PASS		
	NV	NT	-1000	-0.192308	20	PASS		
11AC20SISO	Ant1	5180	LV	NT	-1000	-0.192308	20	PASS
			HV	NT	-1000	-0.192308	20	PASS
			NV	NT	-1000	-0.19084	20	PASS
		5200	LV	NT	-1000	-0.19084	20	PASS
			HV	NT	-1000	-0.19084	20	PASS
			NV	NT	-1000	-0.174064	20	PASS
		5240	LV	NT	0	0	20	PASS
			HV	NT	-1000	-0.174064	20	PASS
			NV	NT	0	0	20	PASS
		5745	LV	NT	0	0	20	PASS
			HV	NT	0	0	20	PASS
			NV	NT	0	0	20	PASS
5785	LV	NT	0	0	20	PASS		
	HV	NT	0	0	20	PASS		
	NV	NT	0	0	20	PASS		
5825	LV	NT	0	0	20	PASS		
	HV	NT	0	0	20	PASS		
	NV	NT	-1000	-0.192678	20	PASS		
11AC40SISO	Ant1	5190	LV	NT	-1000	-0.192678	20	PASS
			HV	NT	-1000	-0.192678	20	PASS
			NV	NT	-1000	-0.191205	20	PASS
		5230	LV	NT	-1000	-0.191205	20	PASS
			HV	NT	0	0	20	PASS
			NV	NT	-1000	-0.173762	20	PASS
		5755	LV	NT	-1000	-0.173762	20	PASS
			HV	NT	-1000	-0.173762	20	PASS
			NV	NT	-1000	-0.173762	20	PASS

		5795	NV	NT	-1000	-0.172563	20	PASS
			LV	NT	-1000	-0.172563	20	PASS
			HV	NT	-1000	-0.172563	20	PASS
11AC80SISO	Ant1	5210	NV	NT	0	0	20	PASS
			LV	NT	0	0	20	PASS
			HV	NT	0	0	20	PASS
		5775	NV	NT	-1000	-0.17316	20	PASS
			LV	NT	-1000	-0.17316	20	PASS
			HV	NT	0	0	20	PASS

Temperature								
Test Mode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	-30	0	0	20	PASS
			NV	-20	-1000	-0.19305	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	0	0	20	PASS
			NV	10	-1000	-0.19305	20	PASS
			NV	20	-1000	-0.19305	20	PASS
			NV	30	-1000	-0.19305	20	PASS
			NV	40	-1000	-0.19305	20	PASS
			NV	50	-1000	-0.19305	20	PASS
		5200	NV	-30	-1000	-0.192308	20	PASS
			NV	-20	-1000	-0.192308	20	PASS
			NV	-10	-1000	-0.192308	20	PASS
			NV	0	-1000	-0.192308	20	PASS
			NV	10	-1000	-0.192308	20	PASS
			NV	20	-1000	-0.192308	20	PASS
			NV	30	-1000	-0.192308	20	PASS
			NV	40	-1000	-0.192308	20	PASS
			NV	50	-1000	-0.192308	20	PASS
		5240	NV	-30	-1000	-0.19084	20	PASS
			NV	-20	-1000	-0.19084	20	PASS
			NV	-10	-1000	-0.19084	20	PASS
			NV	0	-1000	-0.19084	20	PASS
			NV	10	-1000	-0.19084	20	PASS
			NV	20	-1000	-0.19084	20	PASS
NV	30		-1000	-0.19084	20	PASS		
NV	40		-1000	-0.19084	20	PASS		
NV	50		-1000	-0.19084	20	PASS		

11N20SISO	Ant1	5745	NV	-30	-1000	-0.174064	20	PASS
			NV	-20	0	0	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	-1000	-0.174064	20	PASS
			NV	10	-1000	-0.174064	20	PASS
			NV	20	-1000	-0.174064	20	PASS
			NV	30	-1000	-0.174064	20	PASS
			NV	40	-1000	-0.174064	20	PASS
			NV	50	0	0	20	PASS
		5785	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	0	0	20	PASS
		5825	NV	-30	0	0	20	PASS
			NV	-20	-1000	-0.171674	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	-1000	-0.171674	20	PASS
			NV	50	0	0	20	PASS
		5180	NV	-30	0	0	20	PASS
			NV	-20	-1000	-0.19305	20	PASS
			NV	-10	-1000	-0.19305	20	PASS
			NV	0	-1000	-0.19305	20	PASS
			NV	10	0	0	20	PASS
			NV	20	-1000	-0.19305	20	PASS
			NV	30	-1000	-0.19305	20	PASS
			NV	40	-1000	-0.19305	20	PASS
			NV	50	-1000	-0.19305	20	PASS
5200	NV		-30	-1000	-0.192308	20	PASS	
	NV	-20	-1000	-0.192308	20	PASS		
	NV	-10	-1000	-0.192308	20	PASS		
	NV	0	-1000	-0.192308	20	PASS		
	NV	10	-1000	-0.192308	20	PASS		

			NV	20	-1000	-0.192308	20	PASS	
			NV	30	-1000	-0.192308	20	PASS	
			NV	40	-1000	-0.192308	20	PASS	
			NV	50	-1000	-0.192308	20	PASS	
		5240	NV	-30	-1000	-0.19084	20	PASS	
			NV	-20	-1000	-0.19084	20	PASS	
			NV	-10	-1000	-0.19084	20	PASS	
			NV	0	-1000	-0.19084	20	PASS	
			NV	10	-1000	-0.19084	20	PASS	
			NV	20	-1000	-0.19084	20	PASS	
			NV	30	-1000	-0.19084	20	PASS	
			NV	40	0	0	20	PASS	
			NV	50	-1000	-0.19084	20	PASS	
			5745	NV	-30	-1000	-0.174064	20	PASS
				NV	-20	-1000	-0.174064	20	PASS
				NV	-10	-1000	-0.174064	20	PASS
		NV		0	-1000	-0.174064	20	PASS	
		NV		10	-1000	-0.174064	20	PASS	
		NV		20	-1000	-0.174064	20	PASS	
		NV		30	-1000	-0.174064	20	PASS	
		NV		40	-1000	-0.174064	20	PASS	
		5785	NV	50	-1000	-0.174064	20	PASS	
			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	
		5825	NV	40	0	0	20	PASS	
			NV	50	0	0	20	PASS	
			NV	-30	-1000	-0.171674	20	PASS	
			NV	-20	-1000	-0.171674	20	PASS	
			NV	-10	0	0	20	PASS	
			NV	0	0	0	20	PASS	
			NV	10	-1000	-0.171674	20	PASS	
			NV	20	-1000	-0.171674	20	PASS	
			NV	30	0	0	20	PASS	
			NV	40	0	0	20	PASS	
			NV	50	-1000	-0.171674	20	PASS	



11N40SISO	Ant1	5190	NV	-30	0	0	20	PASS
			NV	-20	-1000	-0.192678	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	-1000	-0.192678	20	PASS
			NV	10	-1000	-0.192678	20	PASS
			NV	20	-1000	-0.192678	20	PASS
			NV	30	0	0	20	PASS
			NV	40	0	0	20	PASS
			NV	50	0	0	20	PASS
		5230	NV	-30	-1000	-0.191205	20	PASS
			NV	-20	-1000	-0.191205	20	PASS
			NV	-10	-1000	-0.191205	20	PASS
			NV	0	-1000	-0.191205	20	PASS
			NV	10	-1000	-0.191205	20	PASS
			NV	20	-1000	-0.191205	20	PASS
			NV	30	0	0	20	PASS
			NV	40	0	0	20	PASS
			NV	50	-1000	-0.191205	20	PASS
		5755	NV	-30	0	0	20	PASS
			NV	-20	0	0	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	-1000	-0.173762	20	PASS
			NV	10	-1000	-0.173762	20	PASS
			NV	20	-1000	-0.173762	20	PASS
			NV	30	-1000	-0.173762	20	PASS
			NV	40	-1000	-0.173762	20	PASS
			NV	50	-1000	-0.173762	20	PASS
		5795	NV	-30	0	0	20	PASS
			NV	-20	0	0	20	PASS
			NV	-10	-1000	-0.172563	20	PASS
			NV	0	-1000	-0.172563	20	PASS
			NV	10	-1000	-0.172563	20	PASS
			NV	20	-1000	-0.172563	20	PASS
			NV	30	-1000	-0.172563	20	PASS
			NV	40	0	0	20	PASS
			NV	50	-1000	-0.172563	20	PASS

11AC20SISO	Ant1	5180	NV	-30	-1000	-0.19305	20	PASS
			NV	-20	-1000	-0.19305	20	PASS
			NV	-10	-1000	-0.19305	20	PASS
			NV	0	-1000	-0.19305	20	PASS
			NV	10	-1000	-0.19305	20	PASS
			NV	20	-1000	-0.19305	20	PASS
			NV	30	-1000	-0.19305	20	PASS
			NV	40	-1000	-0.19305	20	PASS
			NV	50	-1000	-0.19305	20	PASS
		5200	NV	-30	-1000	-0.192308	20	PASS
			NV	-20	-1000	-0.192308	20	PASS
			NV	-10	-1000	-0.192308	20	PASS
			NV	0	-1000	-0.192308	20	PASS
			NV	10	-1000	-0.192308	20	PASS
			NV	20	-1000	-0.192308	20	PASS
			NV	30	-1000	-0.192308	20	PASS
			NV	40	-1000	-0.192308	20	PASS
			NV	50	-1000	-0.192308	20	PASS
		5240	NV	-30	-1000	-0.19084	20	PASS
			NV	-20	-1000	-0.19084	20	PASS
			NV	-10	-1000	-0.19084	20	PASS
			NV	0	-1000	-0.19084	20	PASS
			NV	10	-1000	-0.19084	20	PASS
			NV	20	-1000	-0.19084	20	PASS
			NV	30	-1000	-0.19084	20	PASS
			NV	40	-1000	-0.19084	20	PASS
			NV	50	-1000	-0.19084	20	PASS
		5745	NV	-30	-1000	-0.174064	20	PASS
			NV	-20	0	0	20	PASS
			NV	-10	-1000	-0.174064	20	PASS
			NV	0	-1000	-0.174064	20	PASS
			NV	10	-1000	-0.174064	20	PASS
			NV	20	-1000	-0.174064	20	PASS
			NV	30	0	0	20	PASS
			NV	40	-1000	-0.174064	20	PASS
			NV	50	-1000	-0.174064	20	PASS
		5785	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	0	0	20	PASS
		5825	NV	-30	-1000	-0.171674	20	PASS
			NV	-20	0	0	20	PASS
			NV	-10	0	0	20	PASS
			NV	0	-1000	-0.171674	20	PASS
			NV	10	0	0	20	PASS
			NV	20	-1000	-0.171674	20	PASS
			NV	30	0	0	20	PASS
			NV	40	0	0	20	PASS
			NV	50	0	0	20	PASS
			11AC40SISO	Ant1	5190	NV	-30	-1000
NV	-20	-1000				-0.192678	20	PASS
NV	-10	0				0	20	PASS
NV	0	0				0	20	PASS
NV	10	-1000				-0.192678	20	PASS
NV	20	0				0	20	PASS
NV	30	-1000				-0.192678	20	PASS
NV	40	0				0	20	PASS
5230	NV	50			0	0	20	PASS
	NV	-30			-1000	-0.191205	20	PASS
	NV	-20			-1000	-0.191205	20	PASS
	NV	-10			-1000	-0.191205	20	PASS
	NV	0			-1000	-0.191205	20	PASS
	NV	10			0	0	20	PASS
	NV	20	0	0	20	PASS		
	NV	30	-1000	-0.191205	20	PASS		
5755	NV	40	-1000	-0.191205	20	PASS		
	NV	50	-1000	-0.191205	20	PASS		
	NV	-30	-1000	-0.173762	20	PASS		
	NV	-20	-1000	-0.173762	20	PASS		
	NV	-10	-1000	-0.173762	20	PASS		
	NV	0	-1000	-0.173762	20	PASS		
	NV	10	-1000	-0.173762	20	PASS		
	NV	20	-1000	-0.173762	20	PASS		
	NV	30	0	0	20	PASS		
	5795	NV	40	0	0	20	PASS	
NV		50	-1000	-0.173762	20	PASS		
NV		-30	-1000	-0.172563	20	PASS		

			NV	-20	-1000	-0.172563	20	PASS
			NV	-10	-1000	-0.172563	20	PASS
			NV	0	-1000	-0.172563	20	PASS
			NV	10	-1000	-0.172563	20	PASS
			NV	20	-1000	-0.172563	20	PASS
			NV	30	-1000	-0.172563	20	PASS
			NV	40	-1000	-0.172563	20	PASS
			NV	50	-1000	-0.172563	20	PASS
11AC80SISO	Ant1	5210	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	0	0	20	PASS
		5775	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	0	0	20	PASS

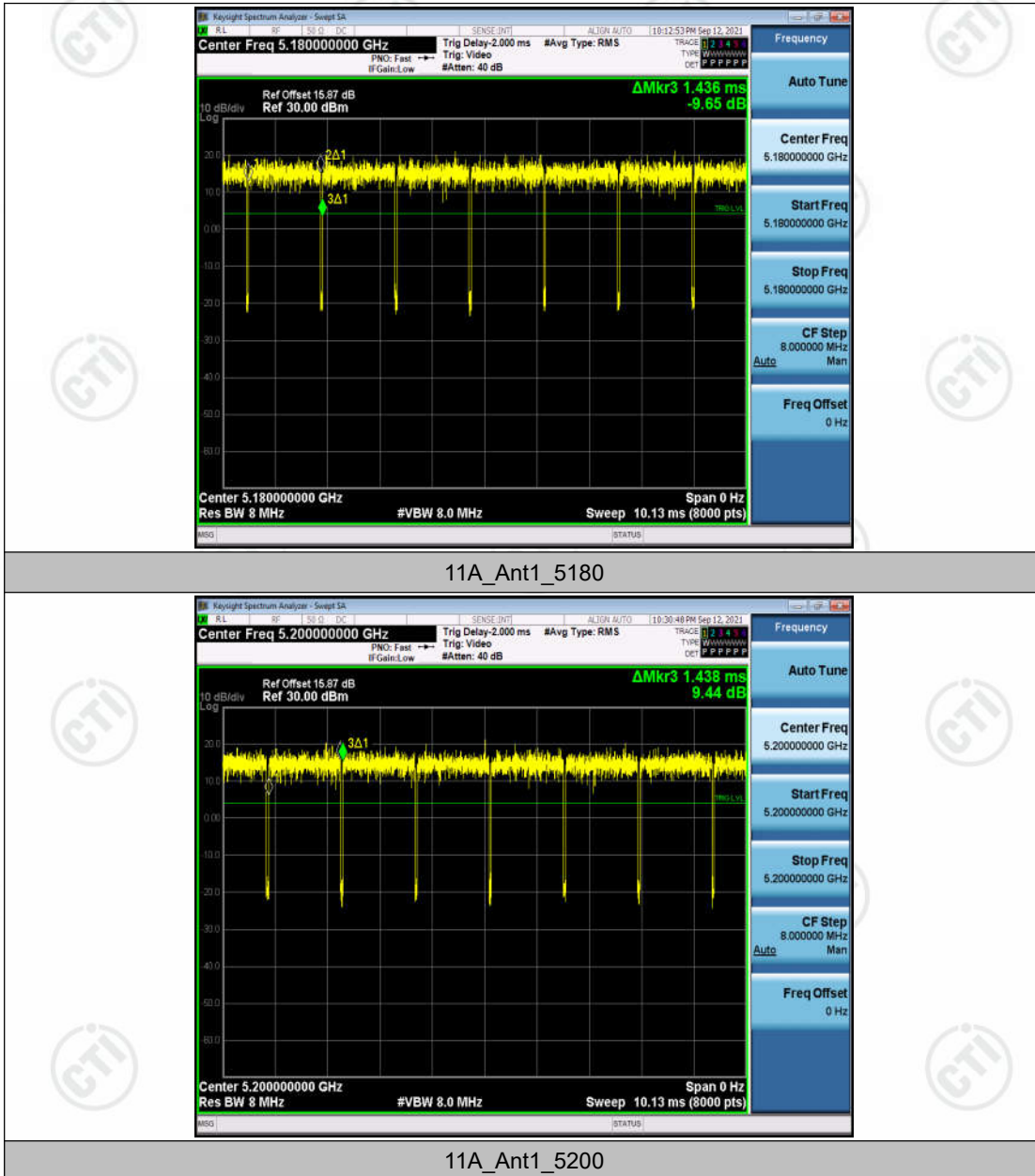


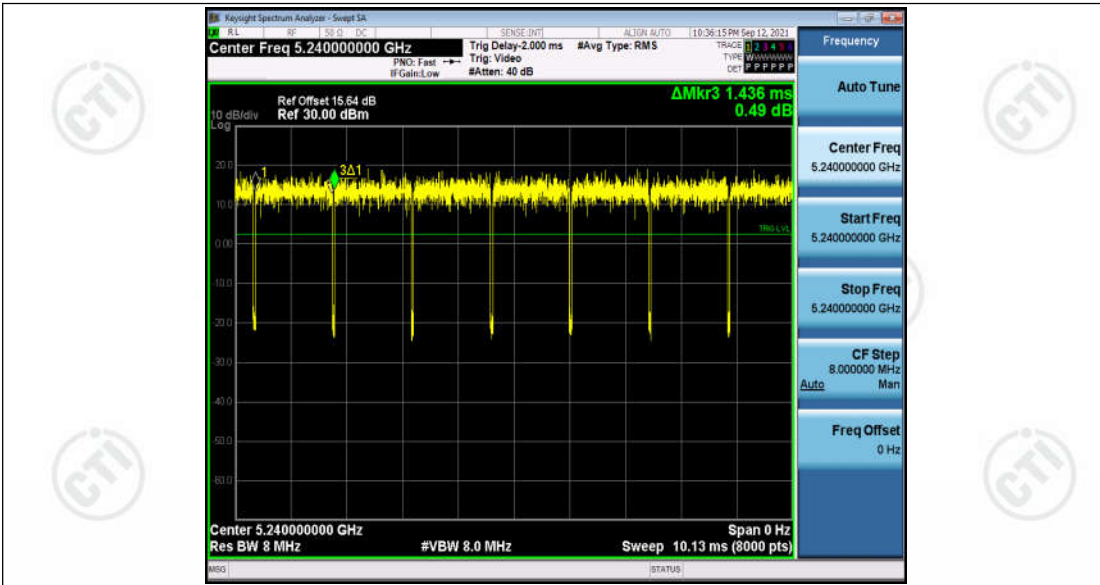
## Appendix G: Duty Cycle

### Test Result

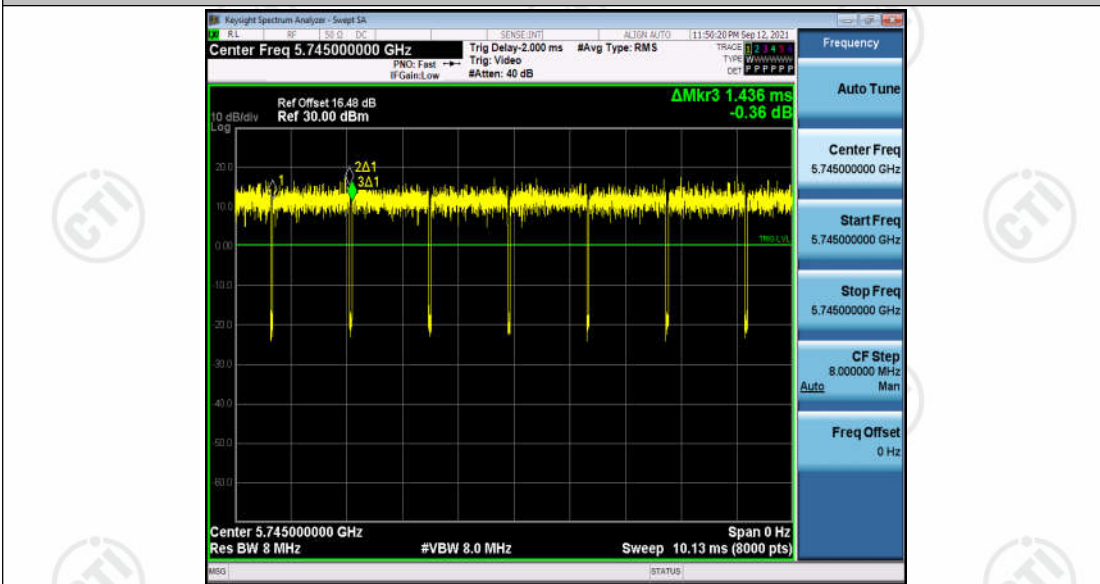
Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11A	Ant1	5180	1.39	1.44	96.74	---	PASS
		5200	1.39	1.44	96.65	---	PASS
		5240	1.39	1.44	96.74	---	PASS
		5745	1.39	1.44	96.74	---	PASS
		5785	1.39	1.44	96.74	---	PASS
		5825	1.39	1.44	96.74	---	PASS
11N20SISO	Ant1	5180	1.30	1.34	96.51	---	PASS
		5200	1.30	1.35	96.52	---	PASS
		5240	1.30	1.34	96.51	---	PASS
		5745	1.30	1.34	96.51	---	PASS
		5785	1.30	1.34	96.51	---	PASS
		5825	1.30	1.34	96.51	---	PASS
11N40SISO	Ant1	5190	0.64	0.69	93.22	---	PASS
		5230	0.65	0.69	93.24	---	PASS
		5755	0.65	0.69	93.41	---	PASS
		5795	0.65	0.69	93.24	---	PASS
11AC20SISO	Ant1	5180	1.31	1.36	96.55	---	PASS
		5200	1.31	1.36	96.45	---	PASS
		5240	1.31	1.36	96.45	---	PASS
		5745	1.31	1.36	96.55	---	PASS
		5785	1.31	1.36	96.55	---	PASS
		5825	1.31	1.36	96.45	---	PASS
11AC40SISO	Ant1	5190	0.65	0.70	93.27	---	PASS
		5230	0.65	0.70	93.44	---	PASS
		5755	0.65	0.70	93.27	---	PASS
		5795	0.65	0.70	93.27	---	PASS
11AC80SISO	Ant1	5210	0.32	0.37	87.29	---	PASS
		5775	0.32	0.37	87.29	---	PASS

## Test Graphs

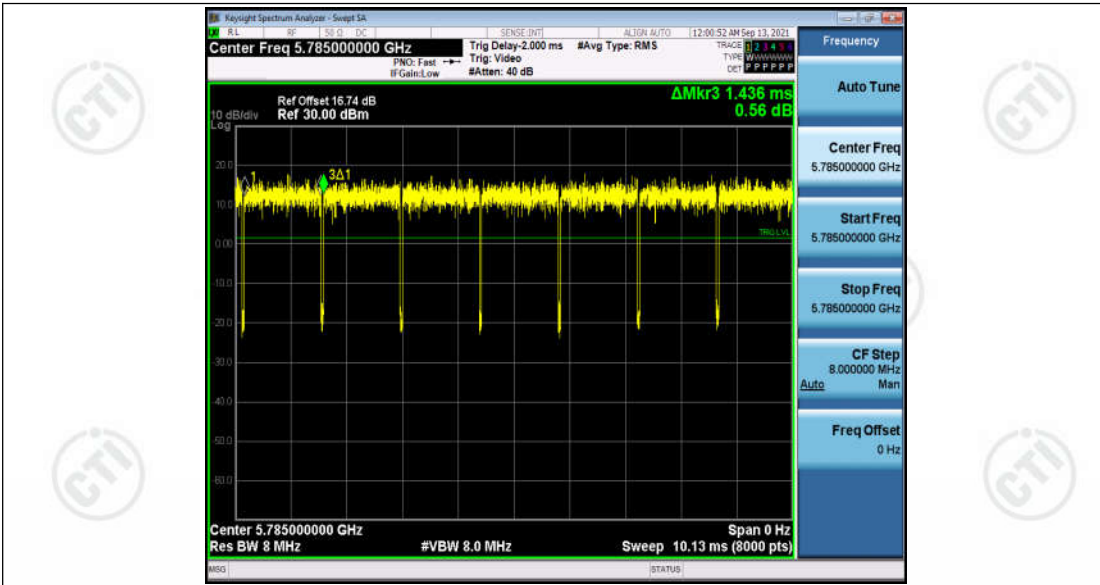




11A\_Ant1\_5240



11A\_Ant1\_5745

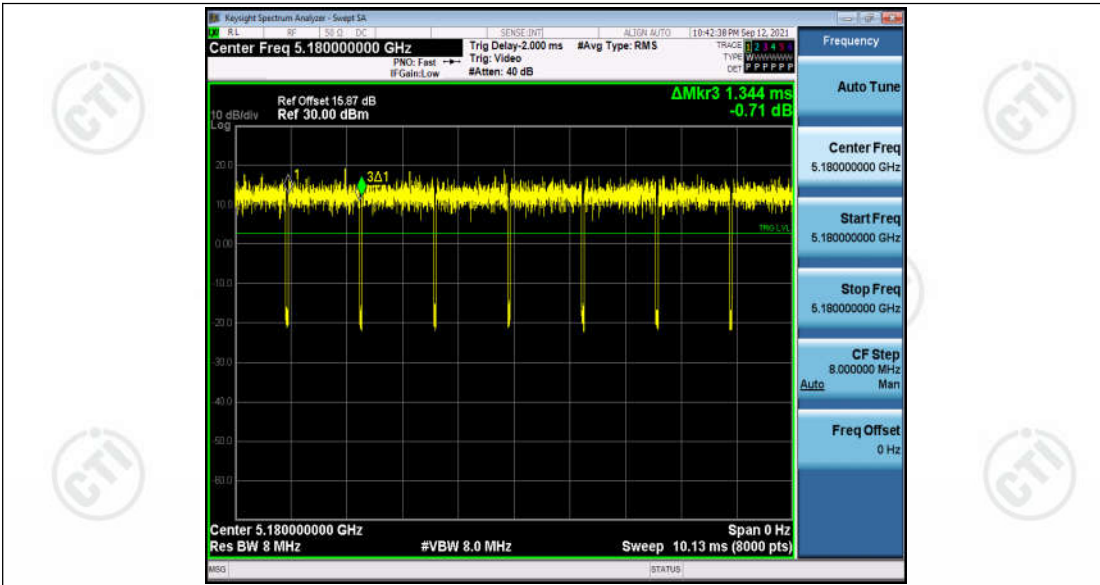


11A\_Ant1\_5785

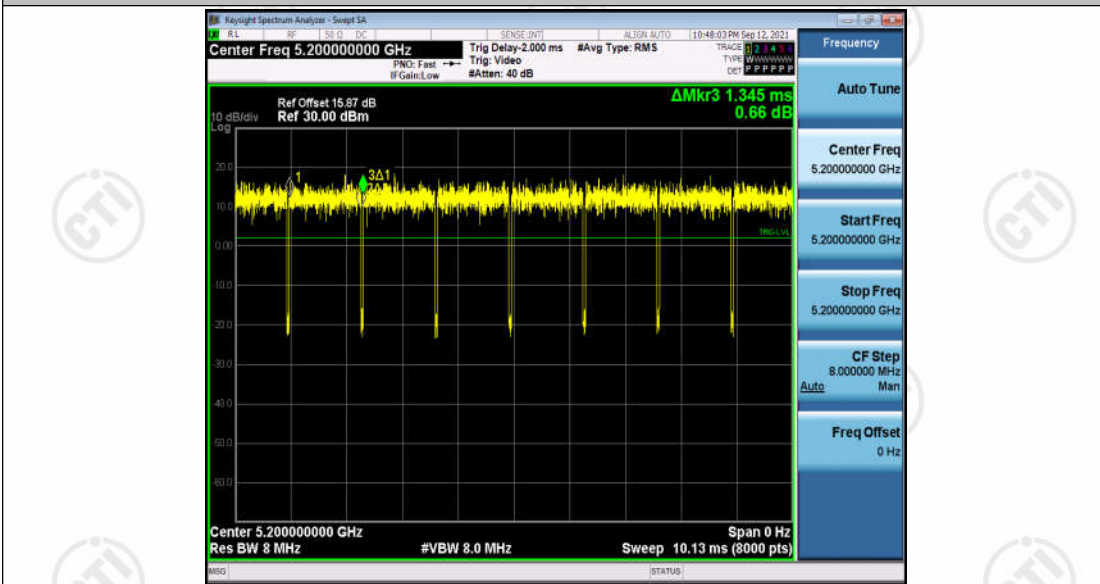


11A\_Ant1\_5825

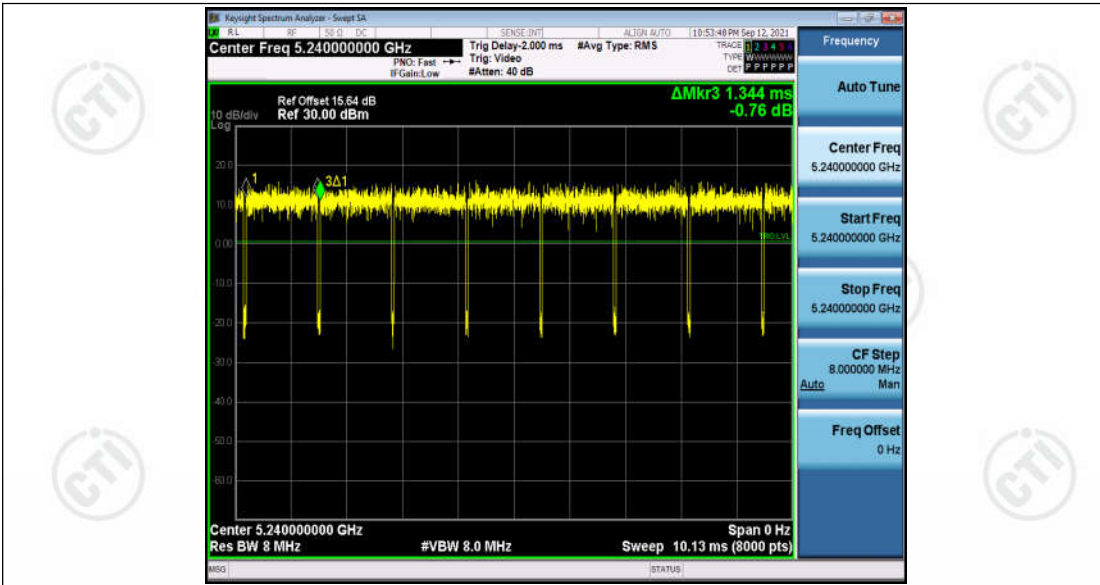




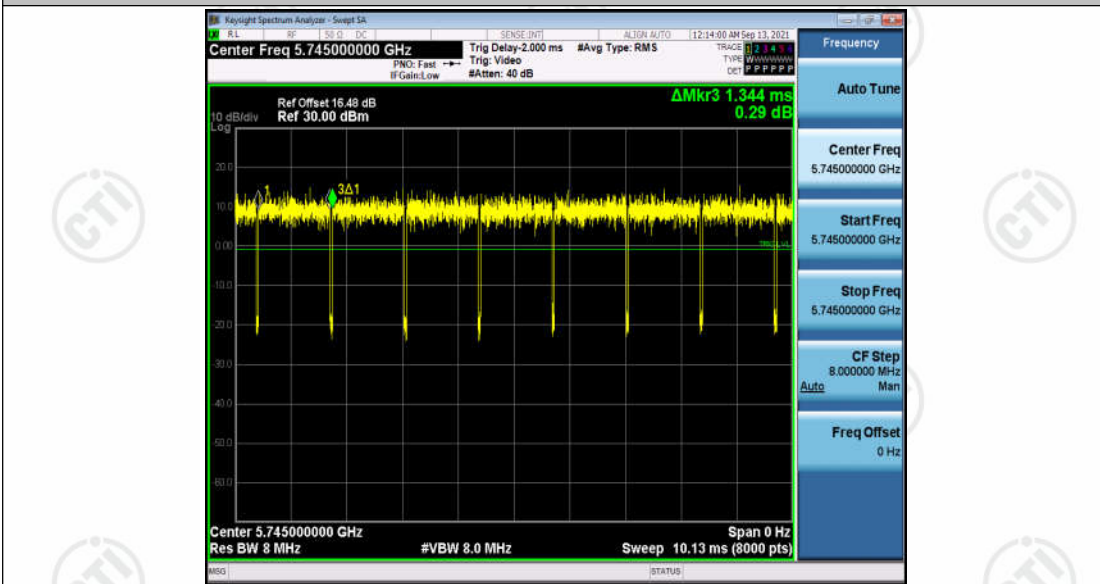
11N20SISO\_Ant1\_5180



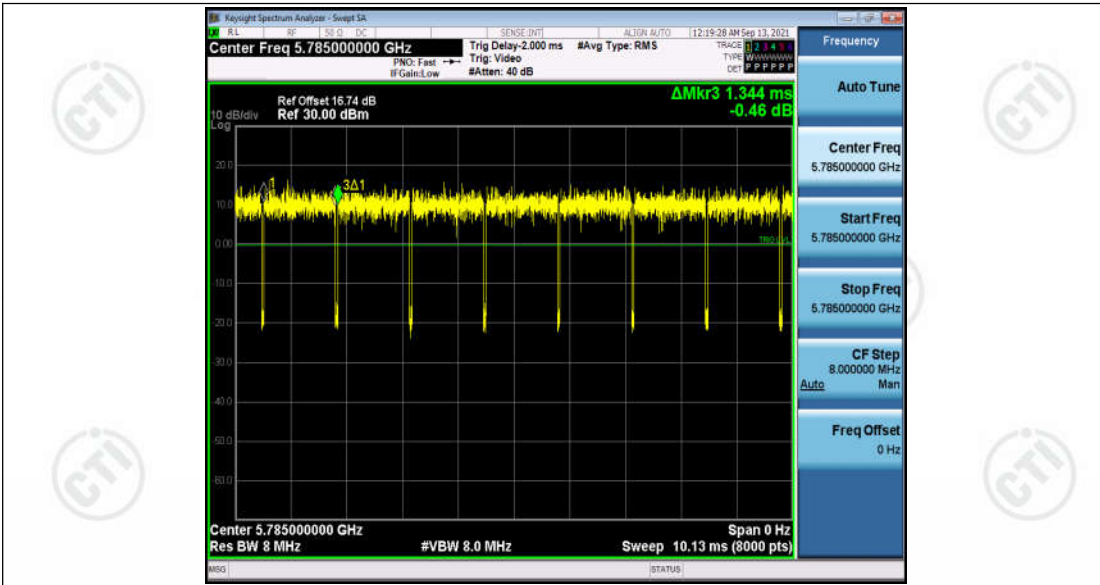
11N20SISO\_Ant1\_5200



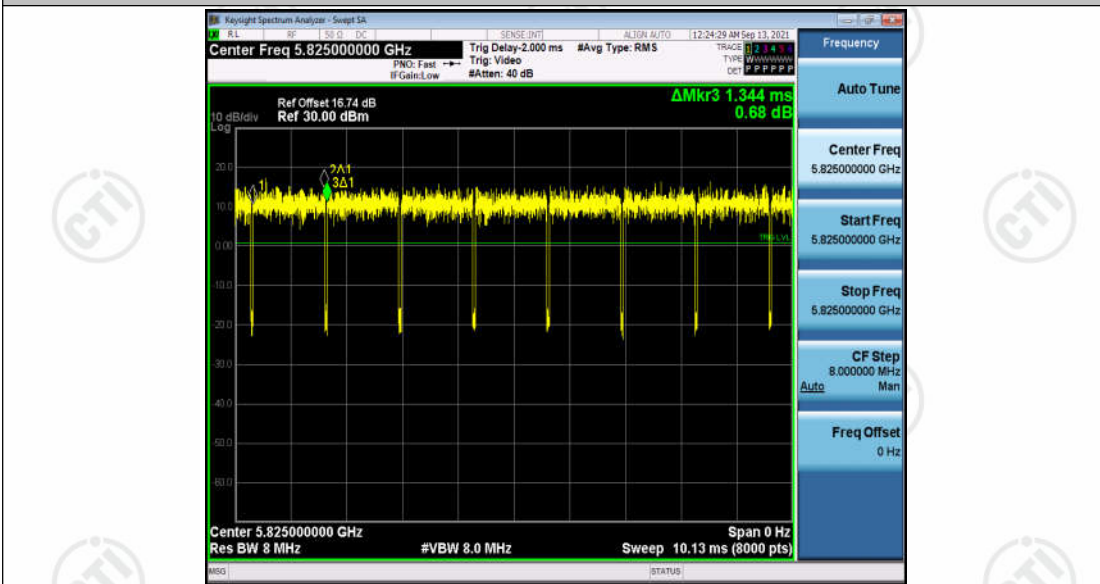
11N20SISO\_Ant1\_5240



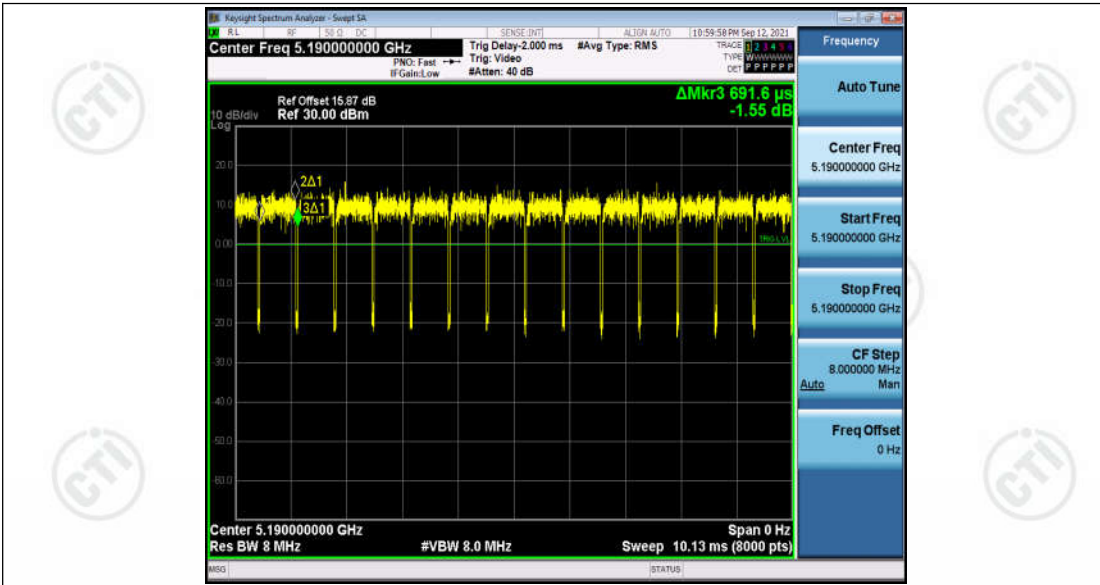
11N20SISO\_Ant1\_5745



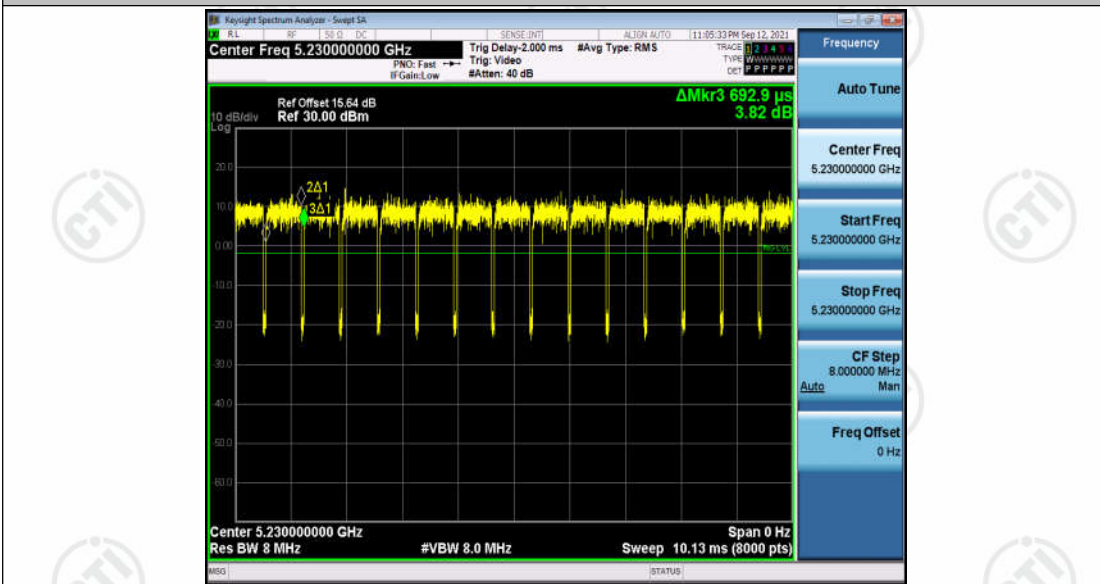
11N20SISO\_Ant1\_5785



11N20SISO\_Ant1\_5825

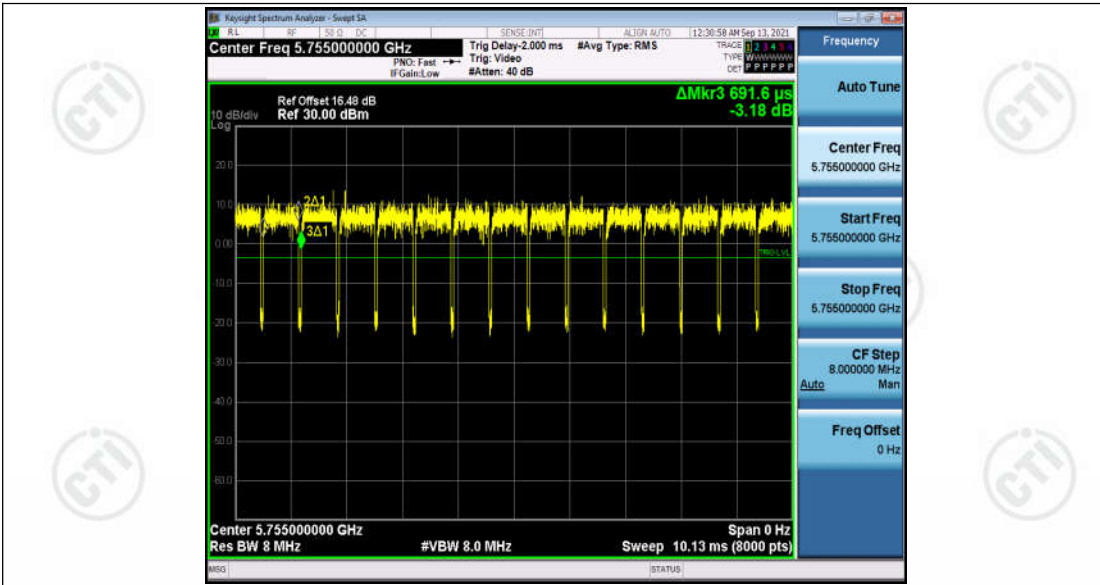


11N40SISO\_Ant1\_5190

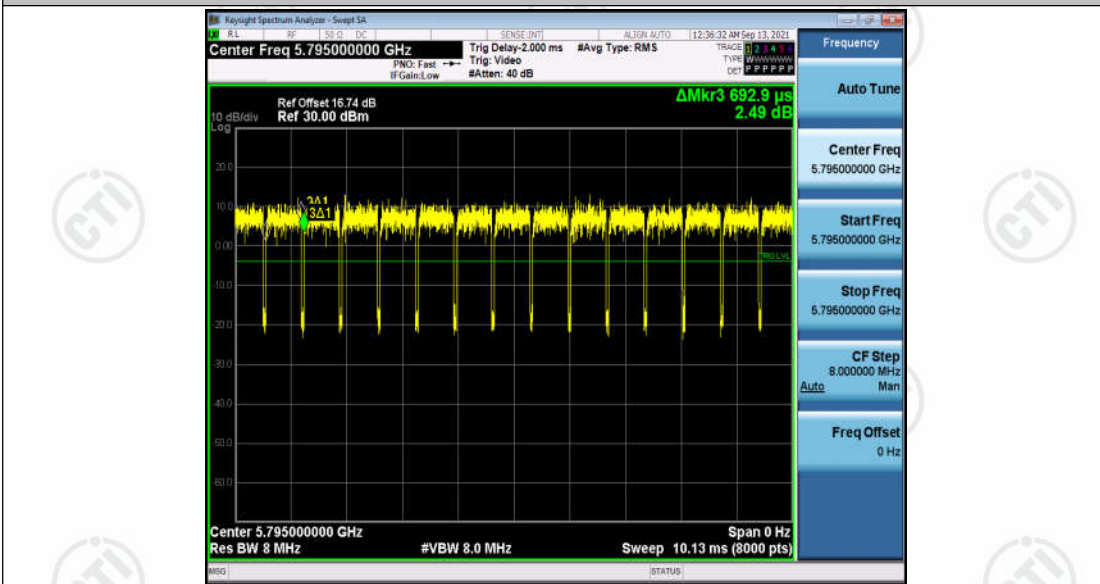


11N40SISO\_Ant1\_5230

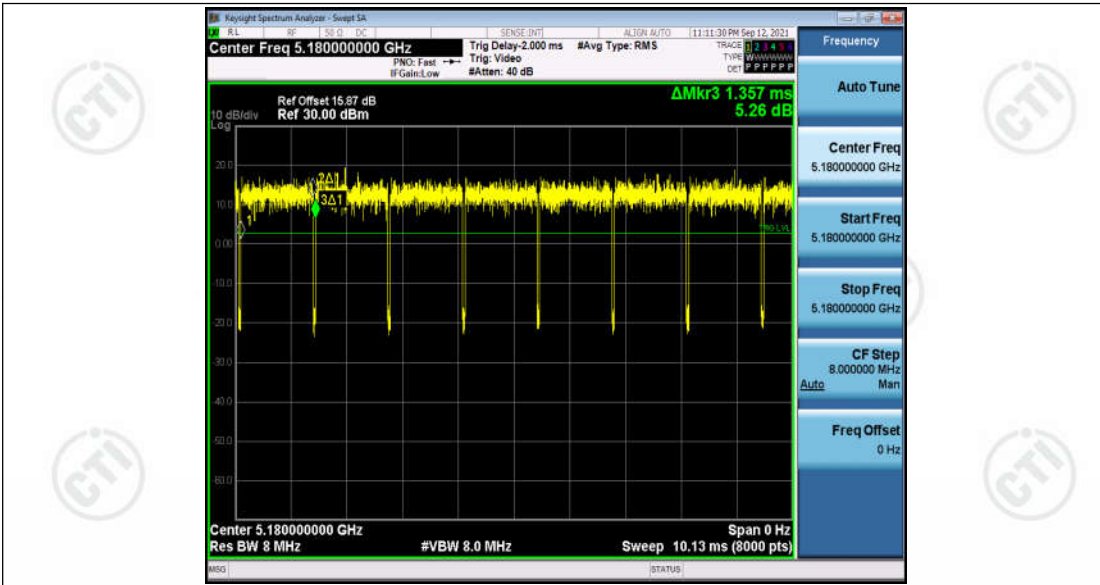




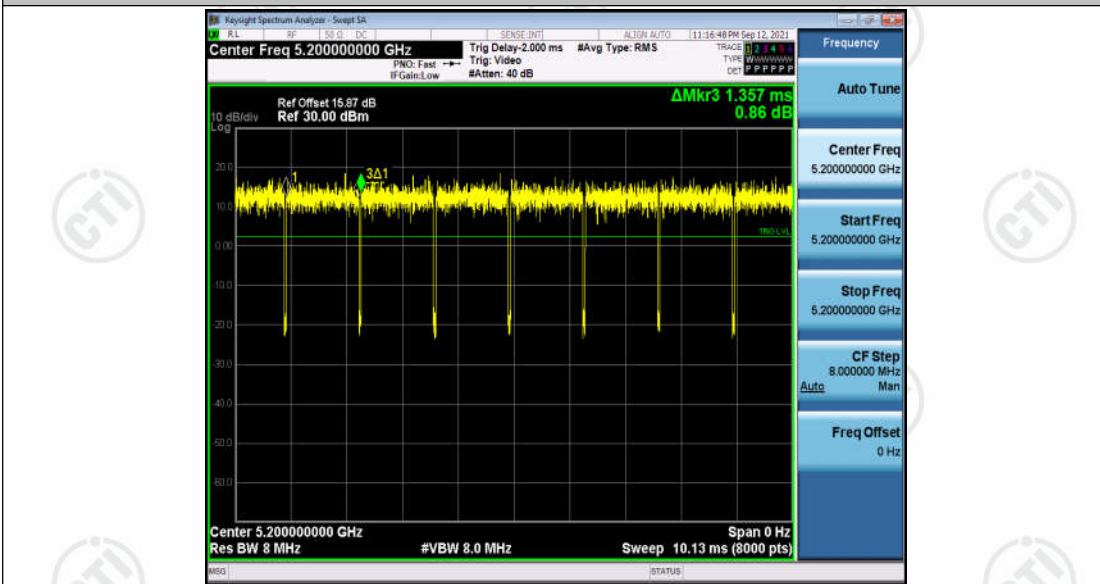
11N40SISO\_Ant1\_5755



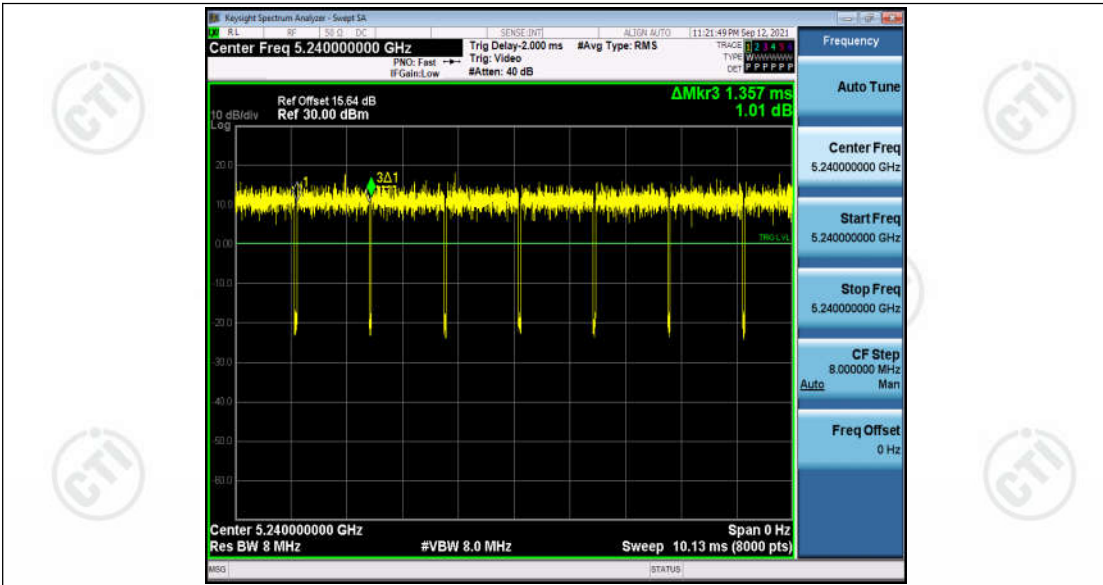
11N40SISO\_Ant1\_5795



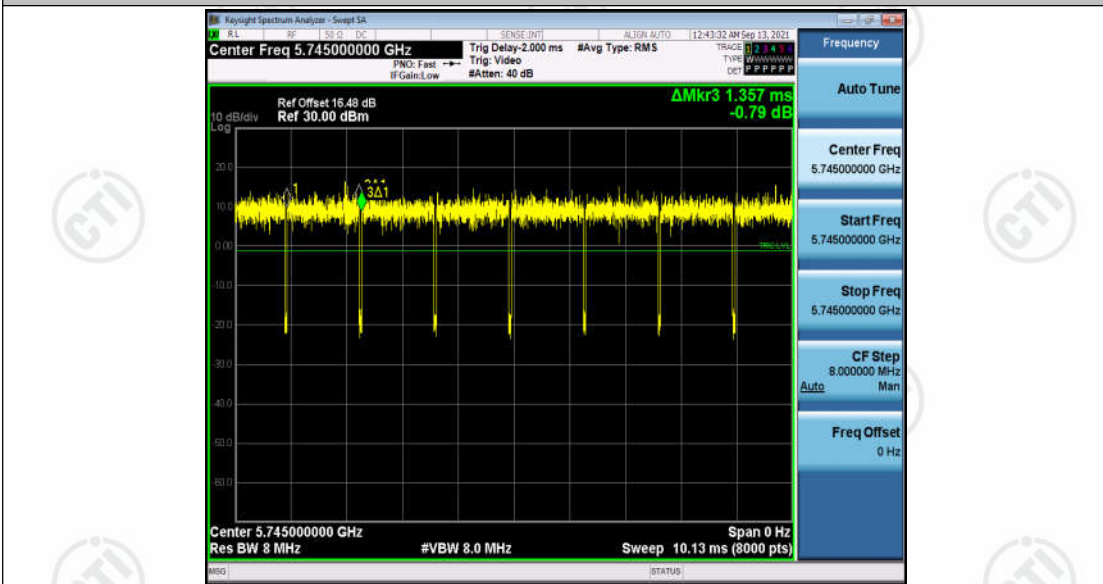
11AC20SISO\_Ant1\_5180



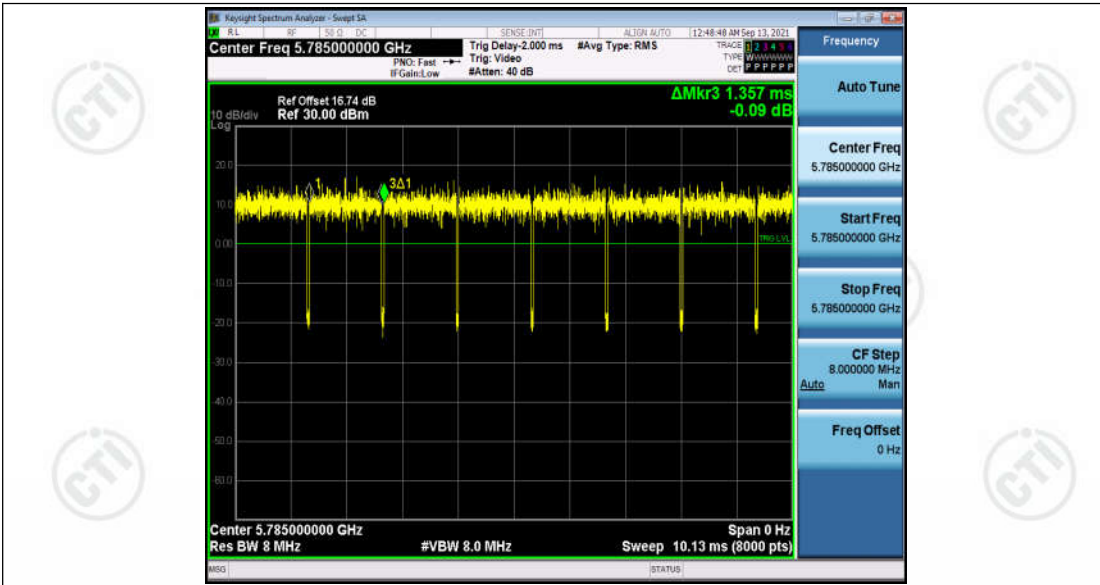
11AC20SISO\_Ant1\_5200



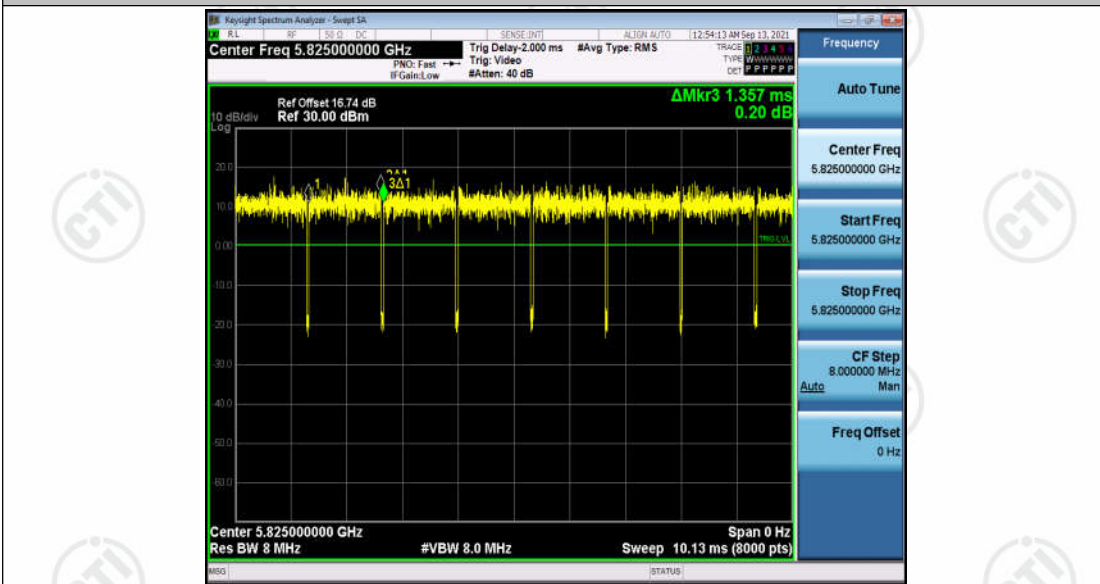
11AC20SISO\_Ant1\_5240



11AC20SISO\_Ant1\_5745

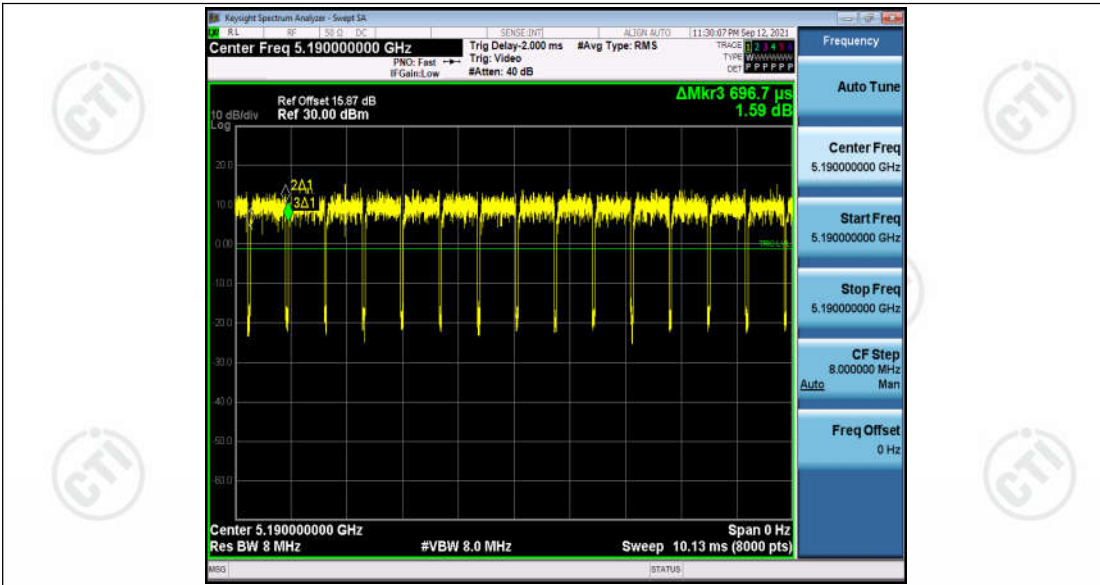


11AC20SISO\_Ant1\_5785

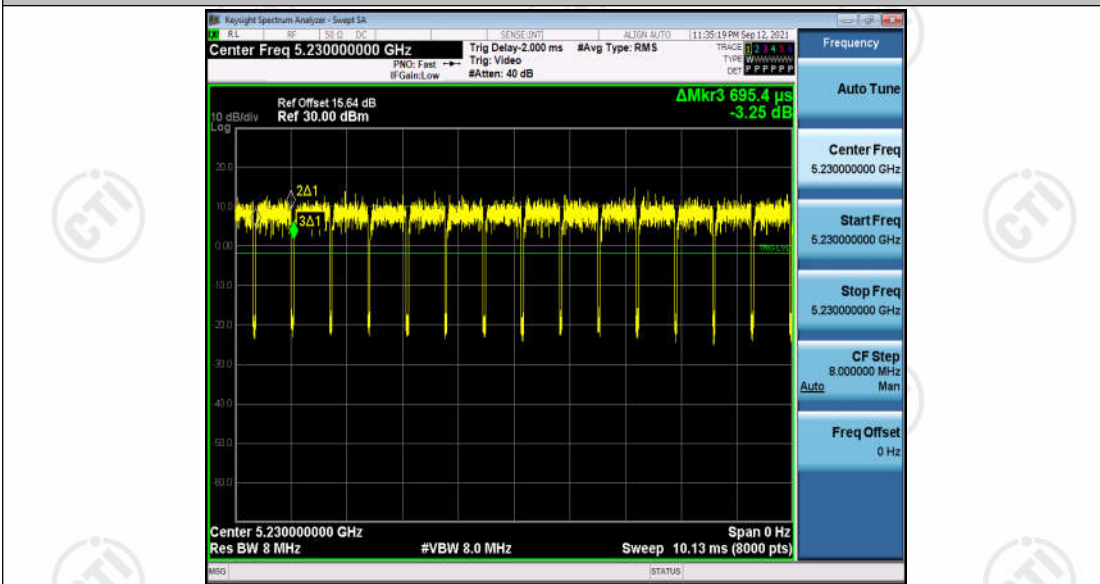


11AC20SISO\_Ant1\_5825



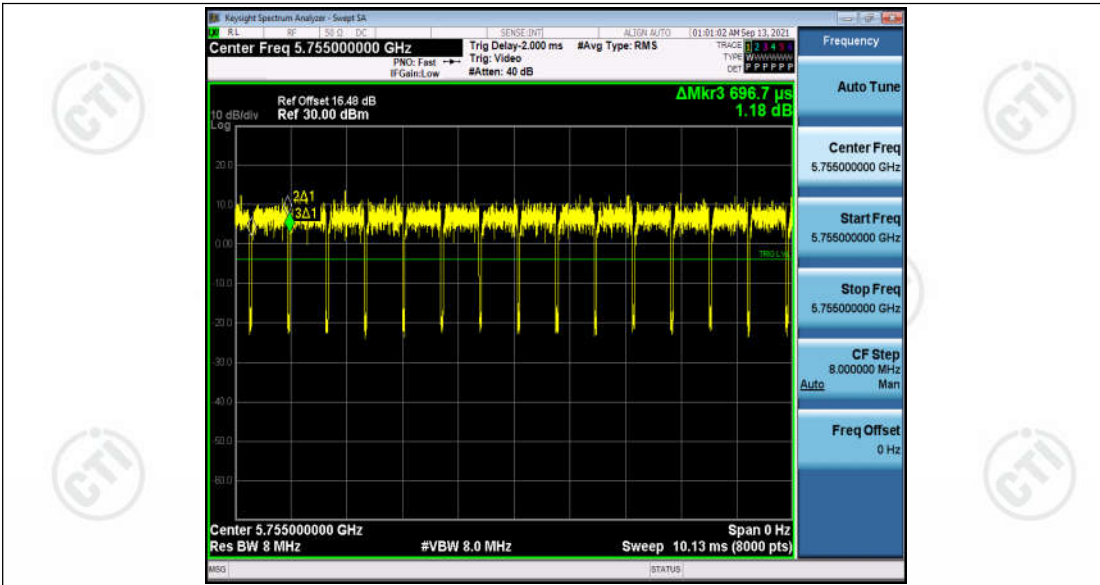


11AC40SISO\_Ant1\_5190

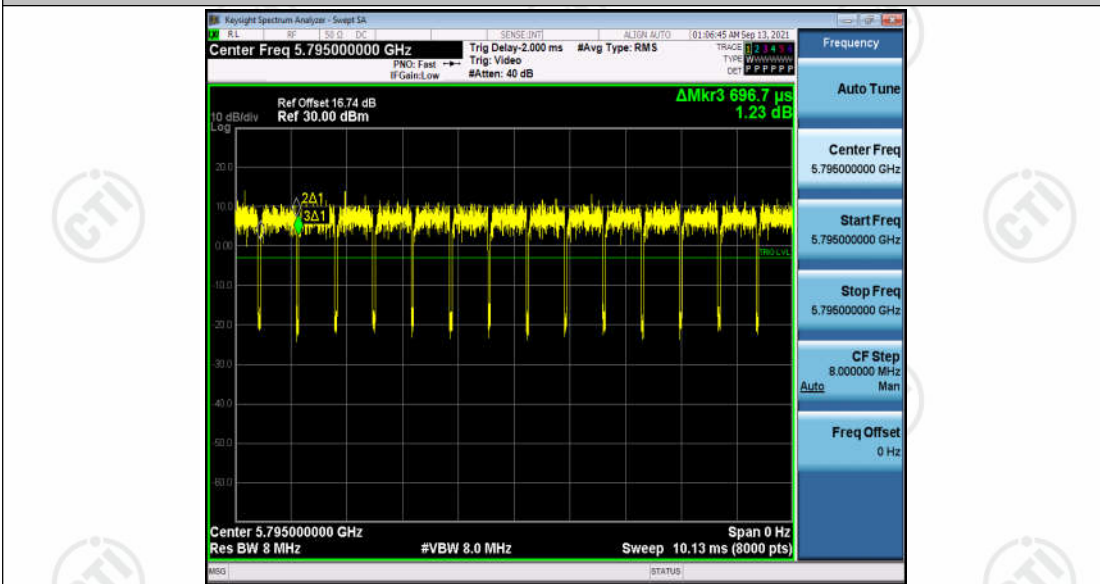


11AC40SISO\_Ant1\_5230

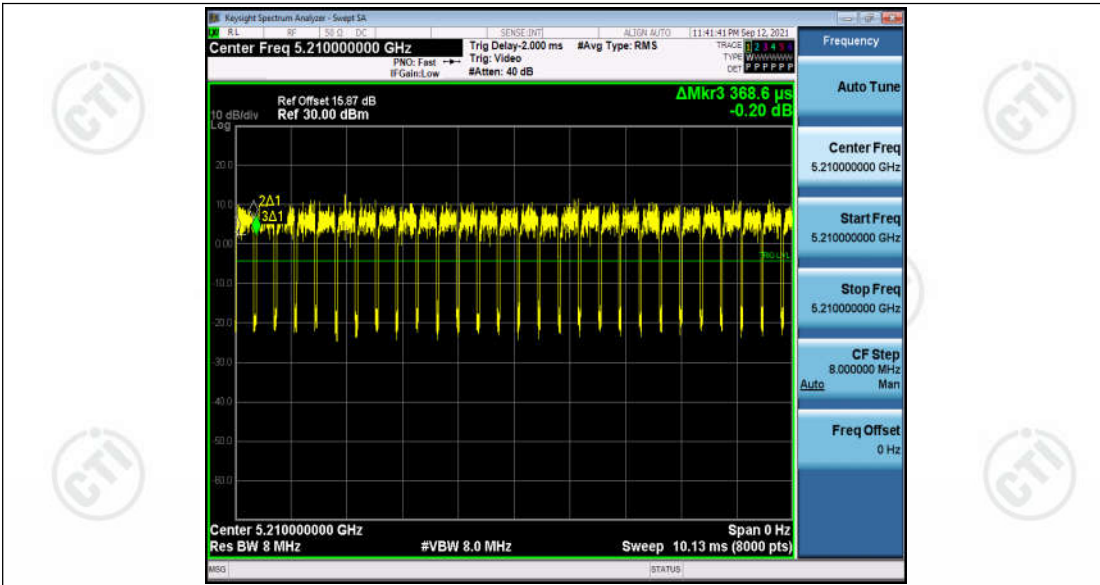




11AC40SISO\_Ant1\_5755



11AC40SISO\_Ant1\_5795



11AC80SISO\_Ant1\_5210



11AC80SISO\_Ant1\_5775

\*\*\* End of Report \*\*\*