

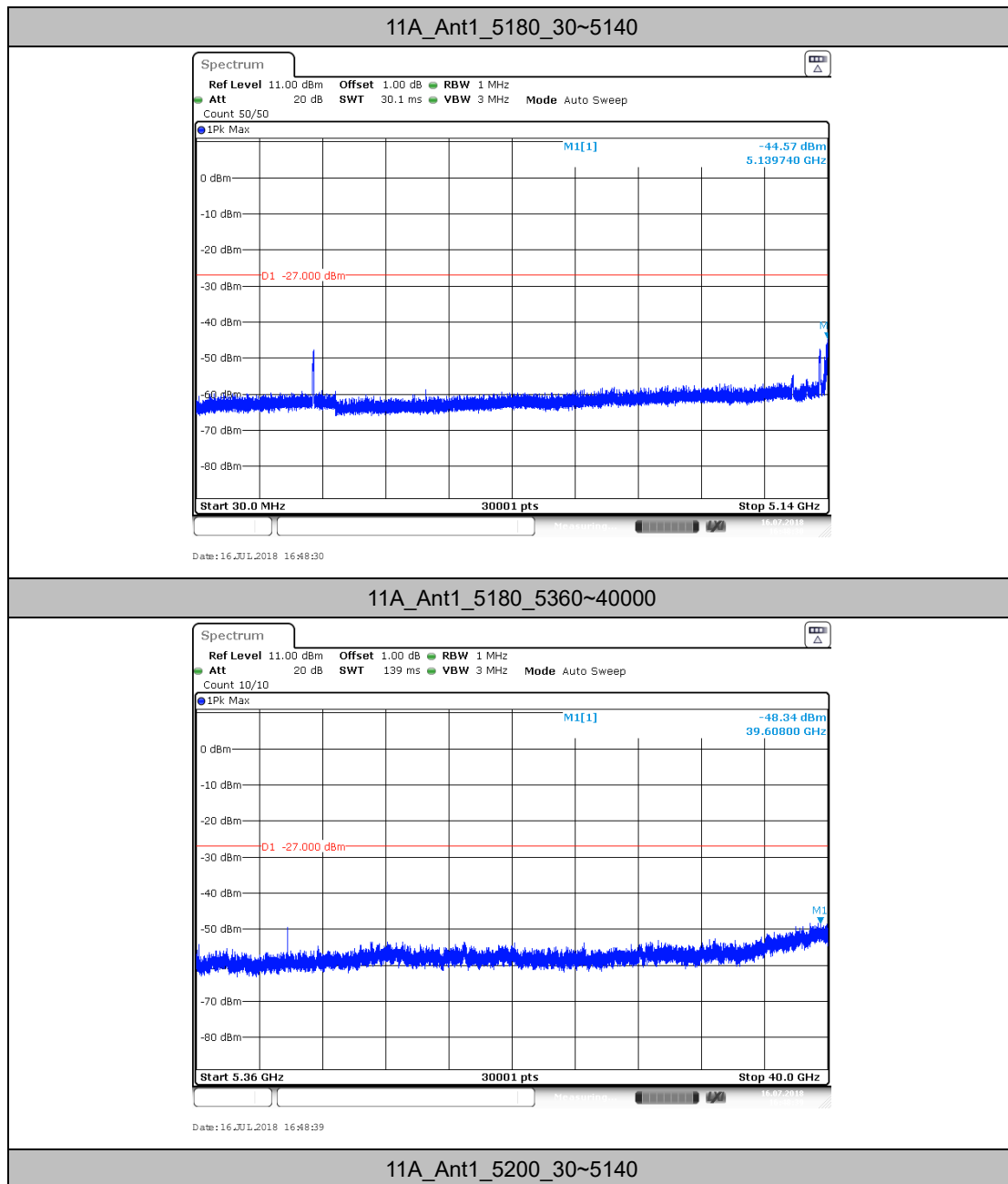
## Appendix E: Conducted Spurious Emission

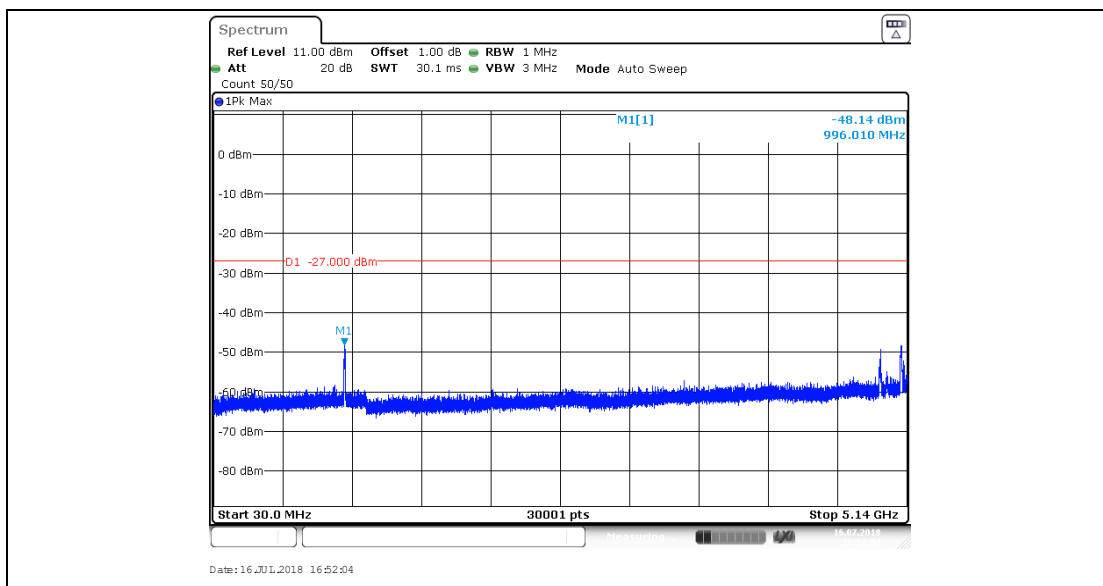
### Test Result

TestMode	Antenna	Channel	FreqRange	Max. Fre	Max. Level	Limit	Verdict
11A	Ant1	5180	30~5140	5139.74	-44.57	-27	PASS
		5180	5360~40000	39608.00	-48.34	-27	PASS
		5200	30~5140	996.01	-48.14	-27	PASS
		5200	5360~40000	39364.40	-47.98	-27	PASS
		5220	30~5140	5118.11	-48.2	-27	PASS
		5220	5360~40000	39252.40	-47.21	-27	PASS
		5240	30~5140	5135.32	-48.07	-27	PASS
		5240	5360~40000	39774.30	-48.37	-27	PASS
		5260	30~5140	1056.48	-43.88	-27	PASS
		5260	5360~40000	5365.20	-45.15	-27	PASS
		5280	30~5140	1077.26	-42.92	-27	PASS
		5280	5360~40000	5386.00	-44.98	-27	PASS
		5320	30~5140	1115.41	-45.21	-27	PASS
		5320	5360~40000	5425.20	-44.53	-27	PASS
		5500	30~5460	5459.91	-43.33	-27	PASS
		5500	5735~40000	39459.20	-48.15	-27	PASS
		5580	30~5460	1376.87	-52.04	-27	PASS
		5580	5735~40000	39357.60	-48.21	-27	PASS
		5700	30~5460	4752.59	-48.62	-27	PASS
		5700	5735~40000	5807.50	-45	-27	PASS
		5745	30~5650	5638.85	-43.48	-27	PASS
		5745	5925~40000	39487.20	-47.9	-27	PASS
		5785	30~5650	3856.81	-49.14	-27	PASS
		5785	5925~40000	39791.60	-47.96	-27	PASS
5825	30~5650	4853.20	-47.51	-27	PASS		
5825	5925~40000	5931.20	-46.38	-27	PASS		
11N20SISO	Ant1	5180	30~5140	974.89	-44.66	-27	PASS
		5180	5360~40000	39332.00	-47.07	-27	PASS
		5200	30~5140	995.67	-41.49	-27	PASS
		5200	5360~40000	39322.80	-47.91	-27	PASS
		5220	30~5140	1013.56	-43.79	-27	PASS
		5220	5360~40000	39740.80	-48.38	-27	PASS
		5240	30~5140	1033.83	-42.79	-27	PASS
		5240	5360~40000	39984.40	-48.54	-27	PASS
		5260	30~5140	1053.75	-42.13	-27	PASS
		5260	5360~40000	5362.90	-44.4	-27	PASS
		5280	30~5140	1075.90	-44.46	-27	PASS
		5280	5360~40000	5387.10	-47.33	-27	PASS

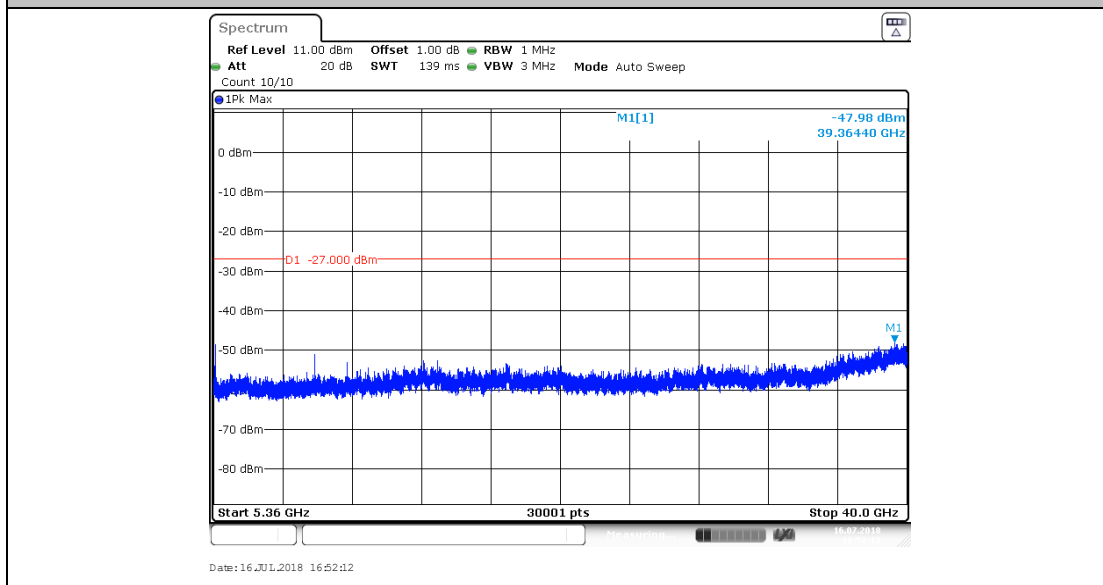
		5320	30~5140	1113.88	-46.26	-27	PASS
		5320	5360~40000	5425.20	-45.71	-27	PASS
		5500	30~5460	5392.40	-45.31	-27	PASS
		5500	5735~40000	39560.90	-48.9	-27	PASS
		5580	30~5460	5368.87	-52.67	-27	PASS
		5580	5735~40000	39621.40	-48.01	-27	PASS
		5700	30~5460	4753.49	-49.1	-27	PASS
		5700	5735~40000	5805.20	-45.25	-27	PASS
		5745	30~5650	5638.85	-43.37	-27	PASS
		5745	5925~40000	39327.00	-48.38	-27	PASS
		5785	30~5650	4818.55	-50.53	-27	PASS
		5785	5925~40000	39829.10	-47.67	-27	PASS
		5825	30~5650	4855.64	-48.62	-27	PASS
		5825	5925~40000	5926.70	-47.1	-27	PASS
11N40SISO	Ant1	5190	30~5140	5135.15	-36.07	-27	PASS
		5190	5360~40000	39688.80	-48.1	-27	PASS
		5230	30~5140	1023.27	-47.53	-27	PASS
		5230	5360~40000	39721.20	-47.82	-27	PASS
		5270	30~5140	1064.66	-48.57	-27	PASS
		5270	5360~40000	39688.80	-47.27	-27	PASS
		5310	30~5140	1103.66	-50.75	-27	PASS
		5310	5360~40000	5374.40	-39.33	-27	PASS
		5510	30~5460	5456.11	-35.99	-27	PASS
		5510	5735~40000	39492.30	-47.21	-27	PASS
		5550	30~5460	5452.49	-46.35	-27	PASS
		5550	5735~40000	39733.30	-48.16	-27	PASS
		5670	30~5460	3780.29	-50.62	-27	PASS
		5670	5735~40000	5742.40	-44.24	-27	PASS
		5755	30~5650	5641.29	-46.75	-27	PASS
		5755	5925~40000	39406.50	-47.52	-27	PASS
		5795	30~5650	3863.56	-51.07	-27	PASS
5795	5925~40000	39741.60	-48.25	-27	PASS		

## Test Graphs

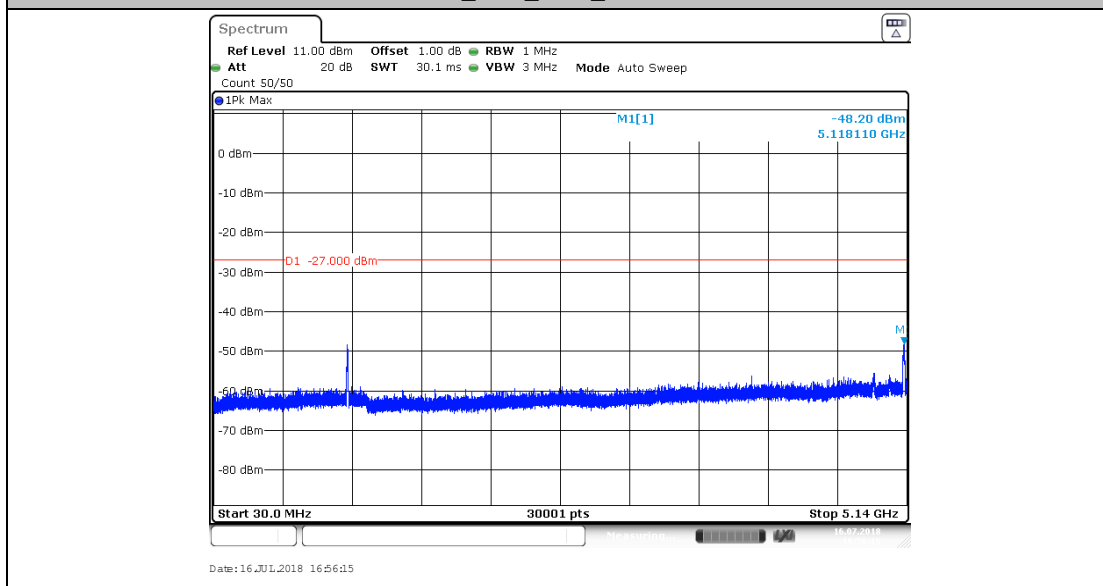




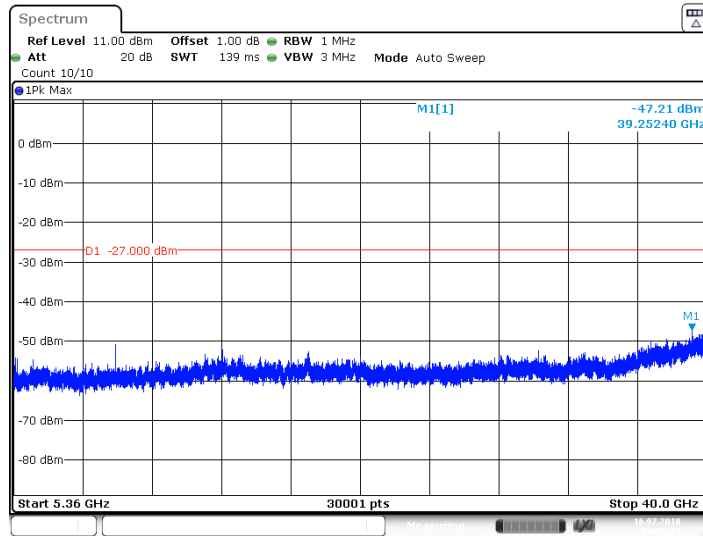
11A\_Ant1\_5200\_5360~40000



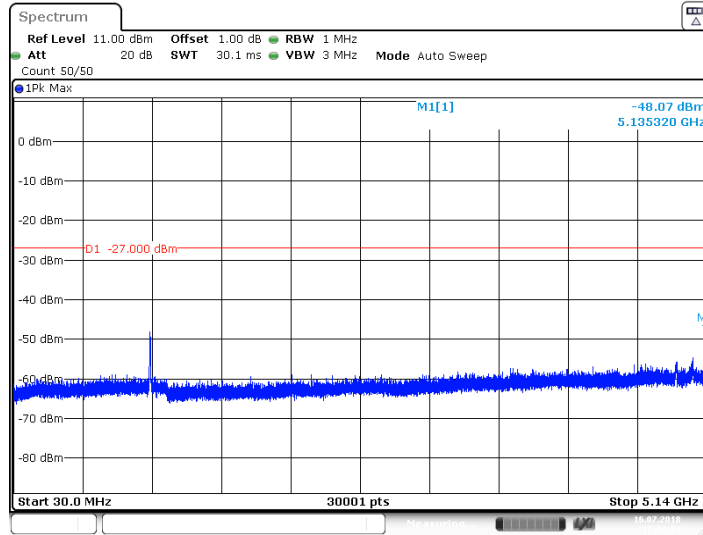
11A\_Ant1\_5220\_30~5140



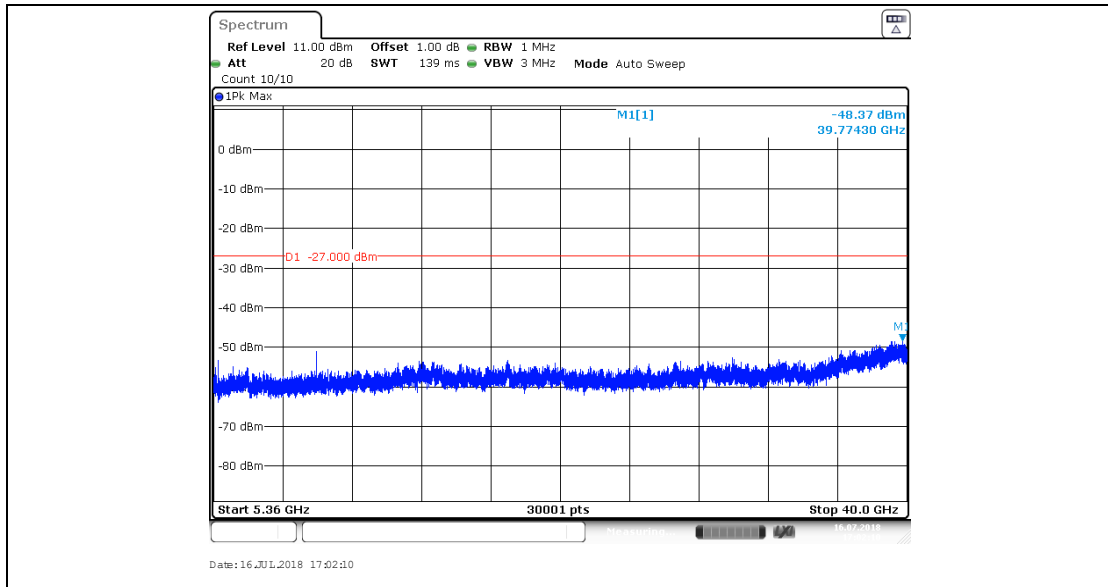
11A\_Ant1\_5220\_5360~40000



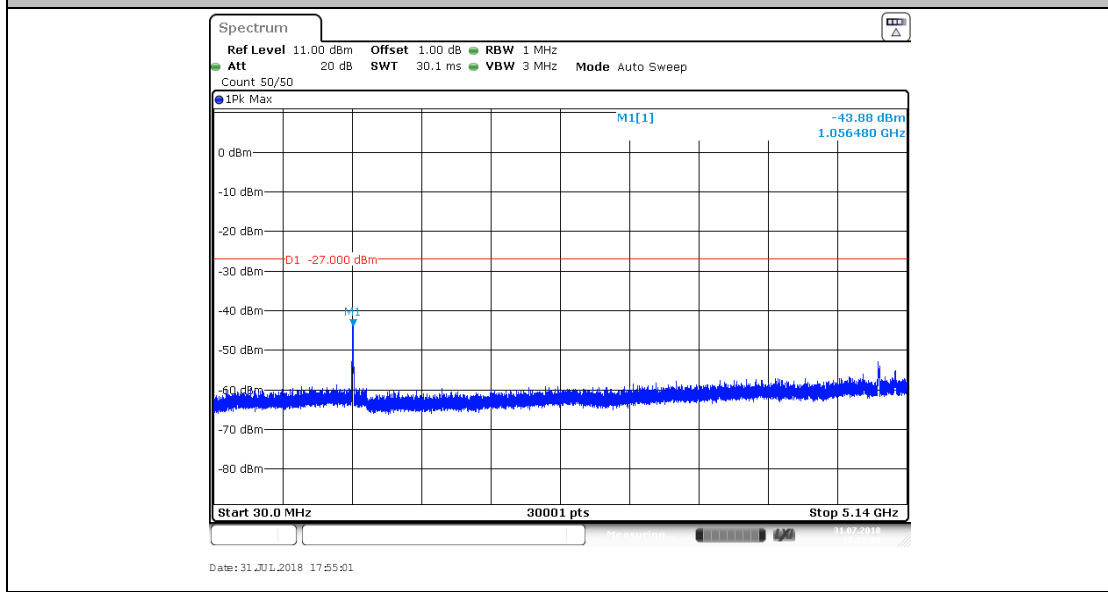
11A\_Ant1\_5240\_30~5140



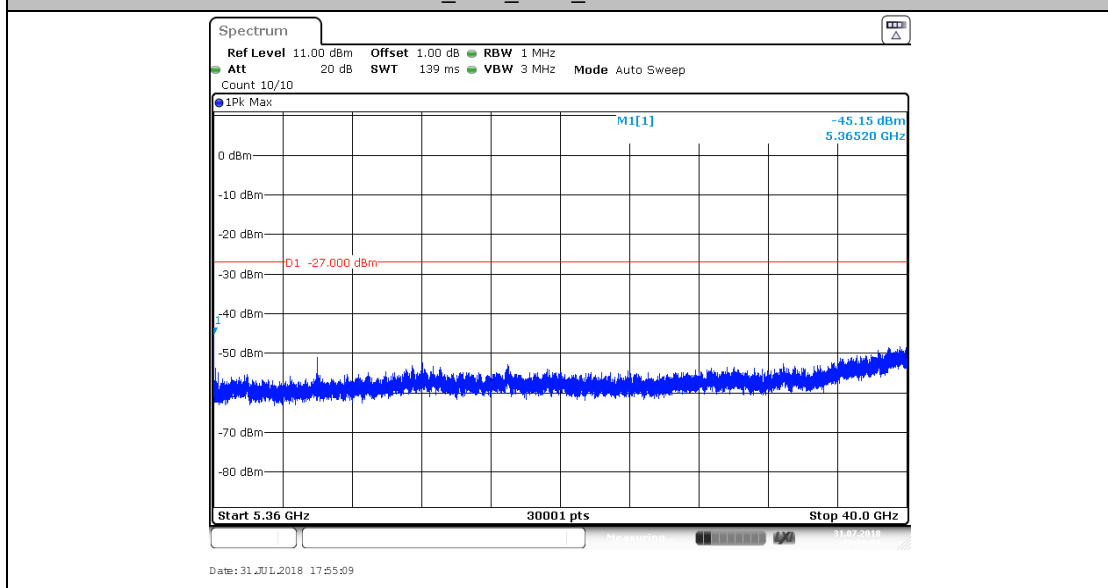
11A\_Ant1\_5240\_5360~40000



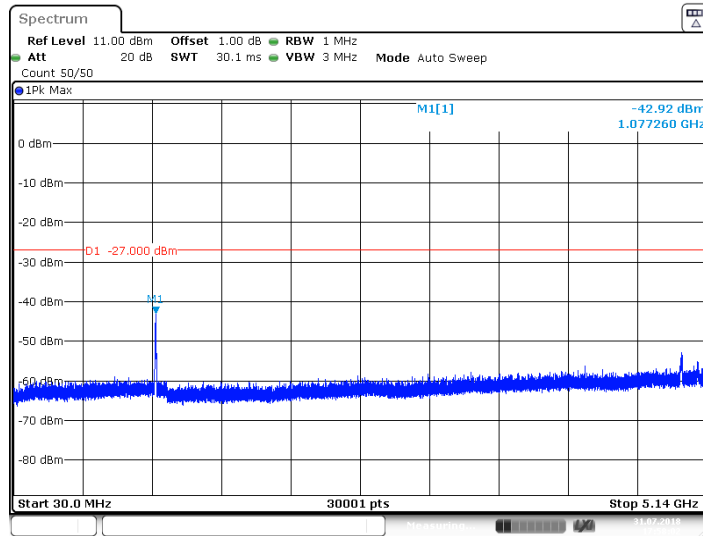
11A\_Ant1\_5260\_30~5140



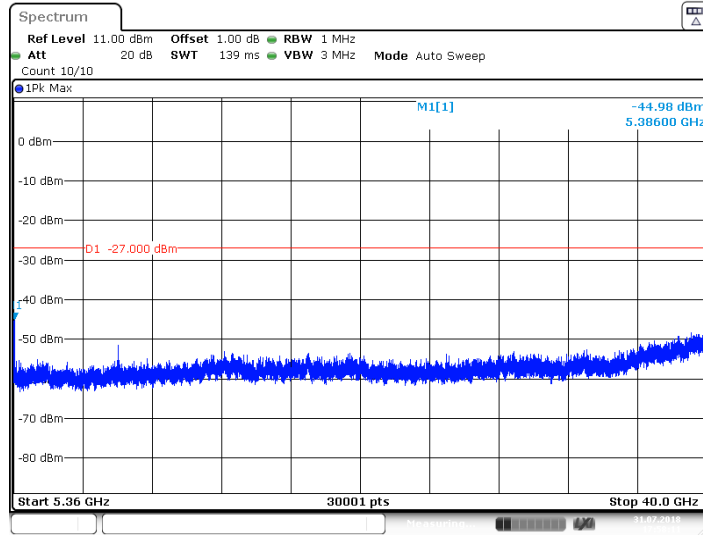
11A\_Ant1\_5260\_5360~40000



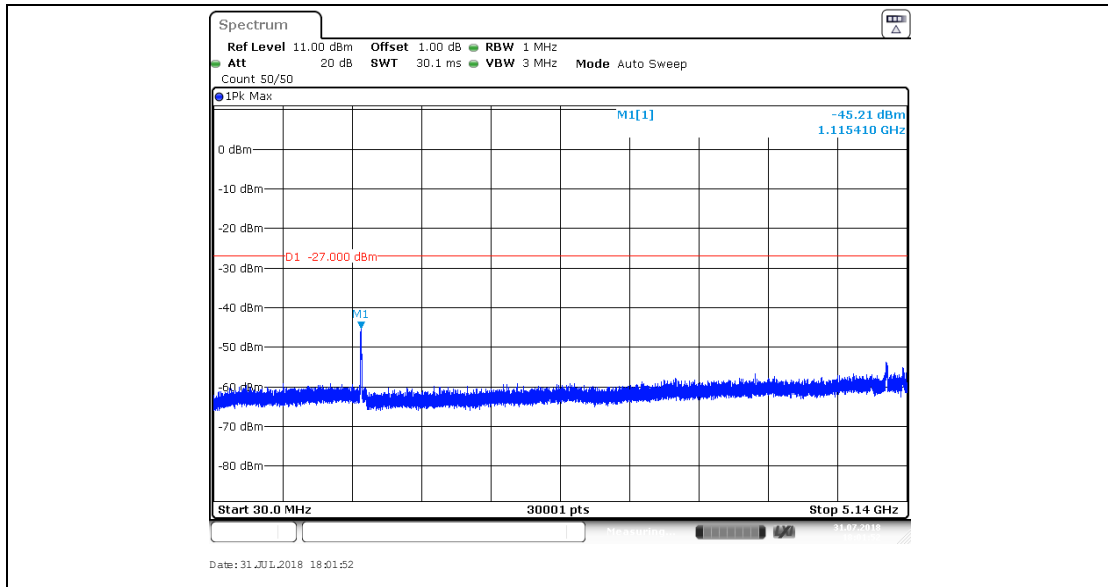
**11A\_Ant1\_5280\_30~5140**



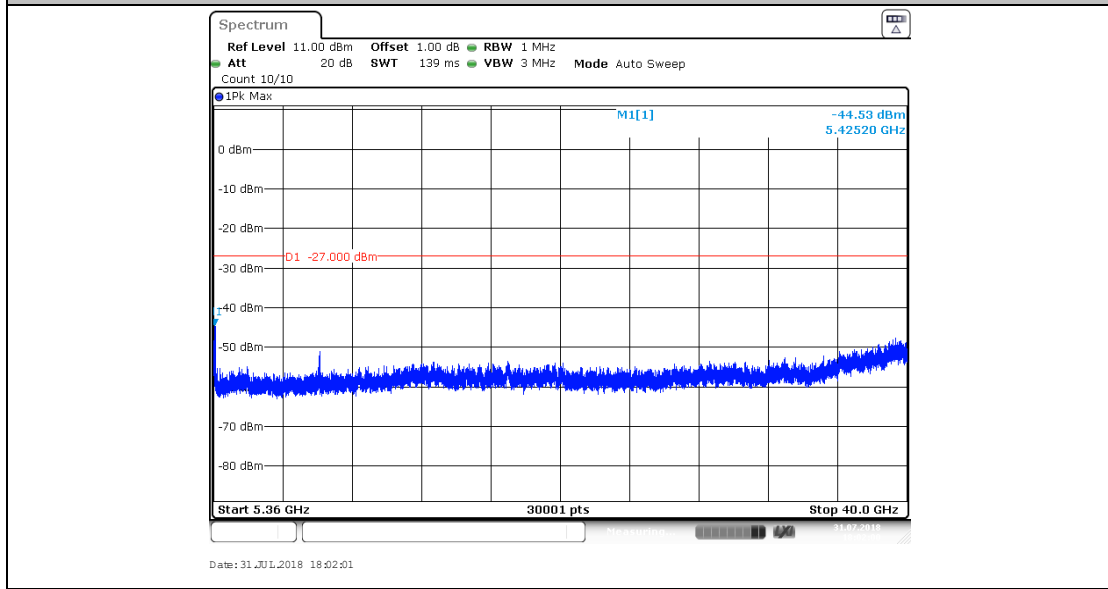
**11A\_Ant1\_5280\_5360~40000**



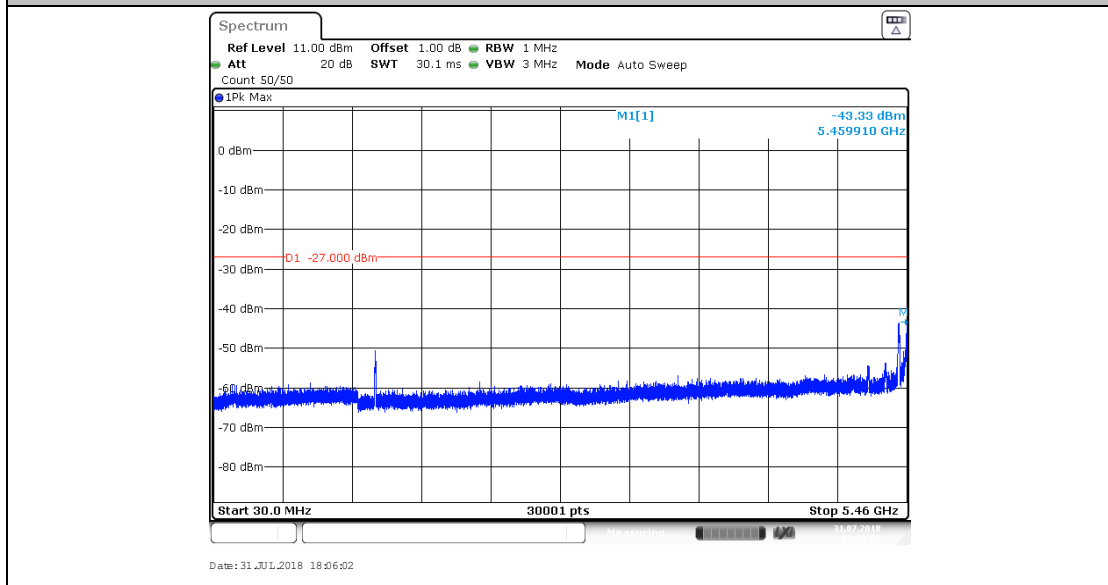
**11A\_Ant1\_5320\_30~5140**



11A\_Ant1\_5320\_5360~40000

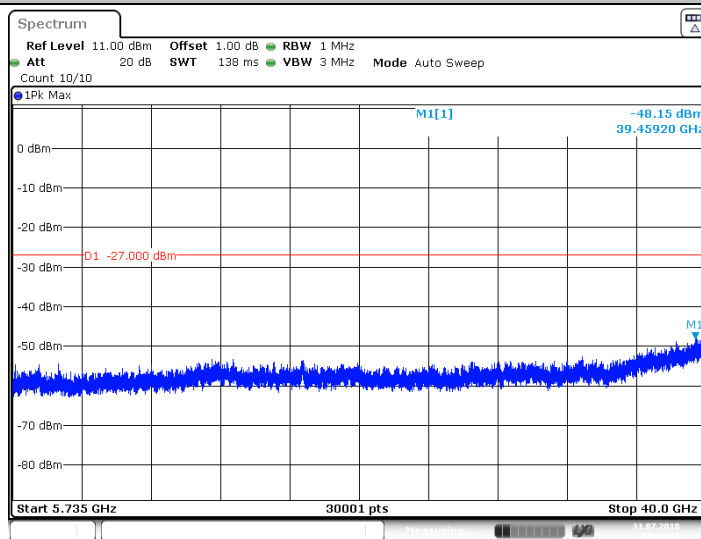


11A\_Ant1\_5500\_30~5460



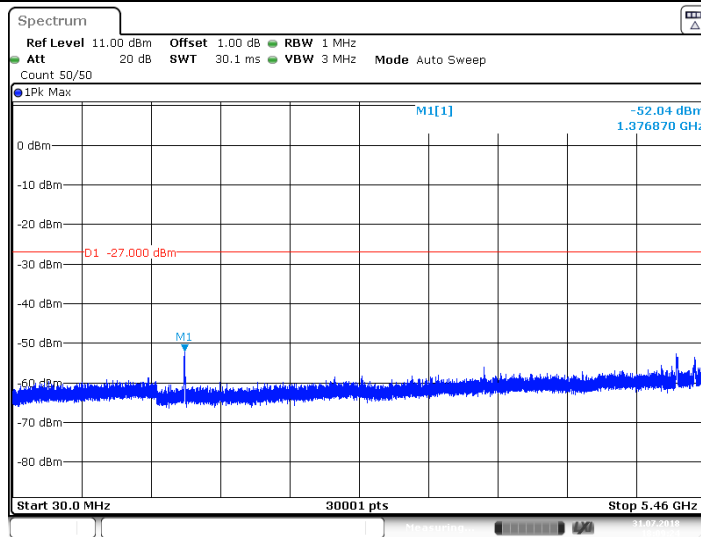


11A\_Ant1\_5500\_5735~40000



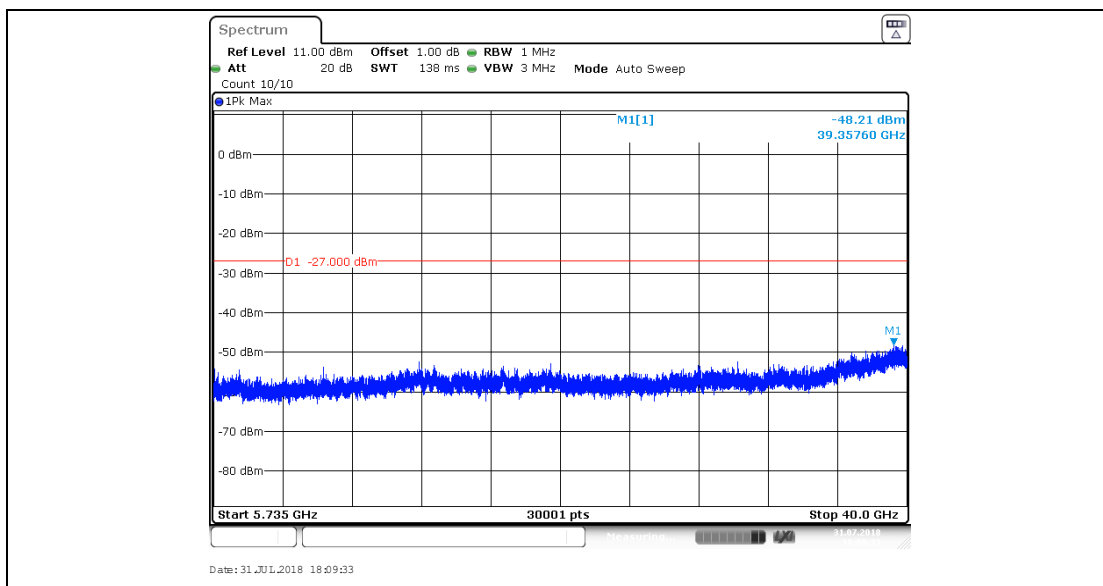
Date: 31 JUL 2018 18:06:11

11A\_Ant1\_5580\_30~5460

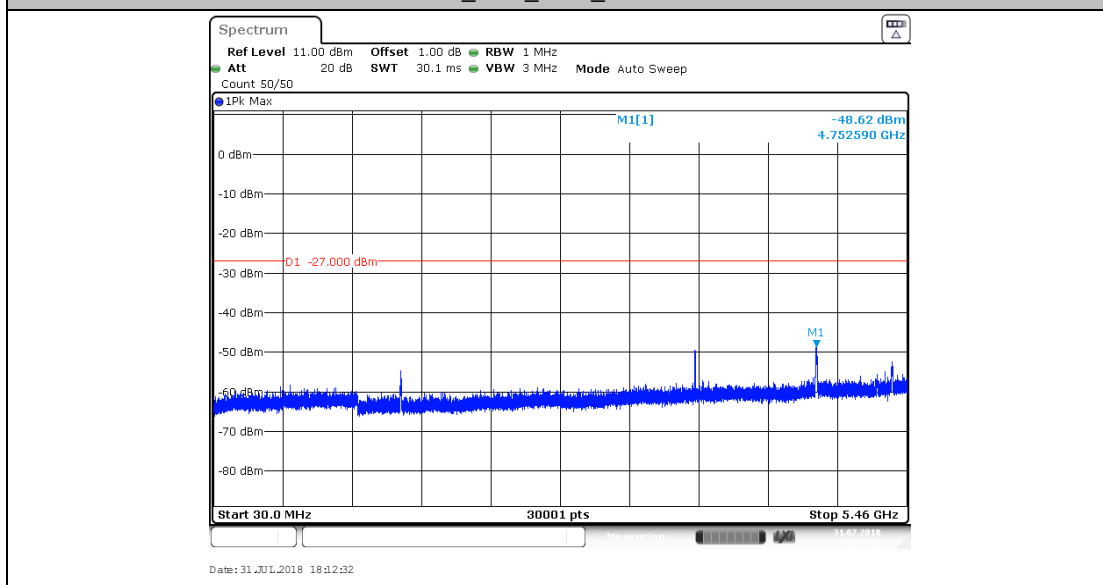


Date: 31 JUL 2018 18:09:24

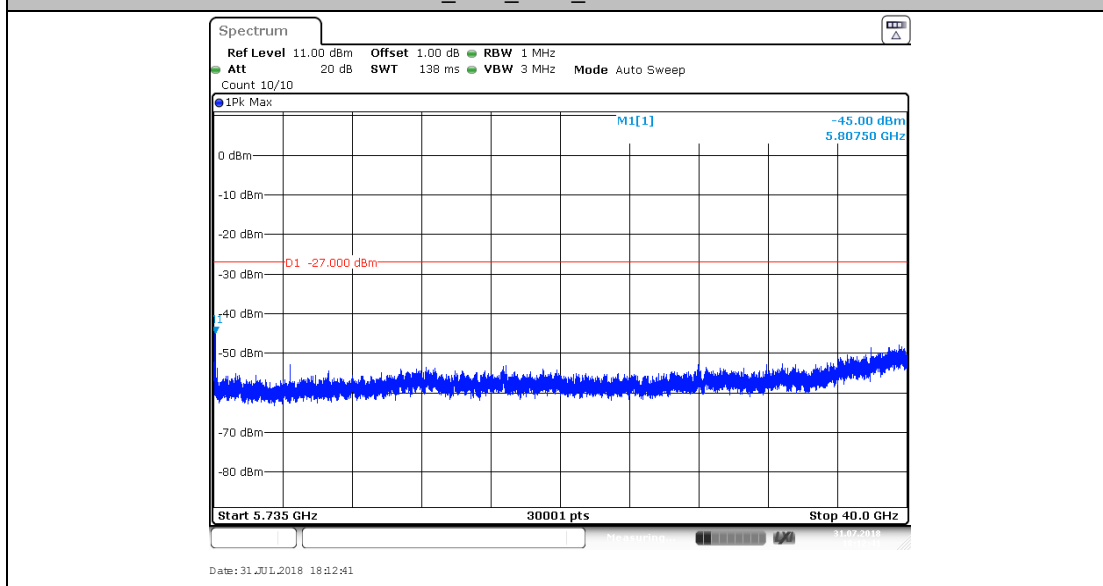
11A\_Ant1\_5580\_5735~40000



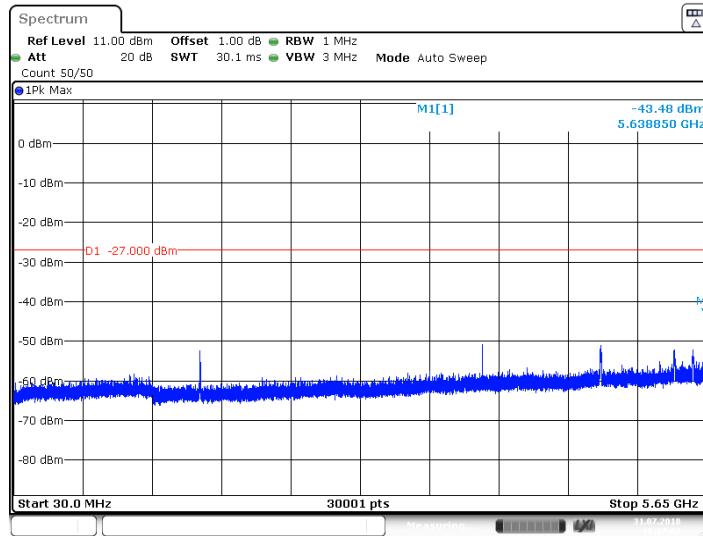
11A\_Ant1\_5700\_30~5460



11A\_Ant1\_5700\_5735~40000

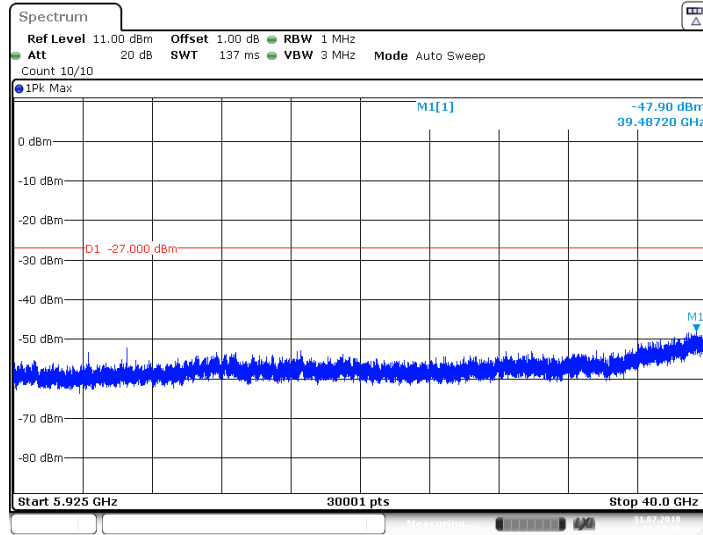


**11A\_Ant1\_5745\_30~5650**



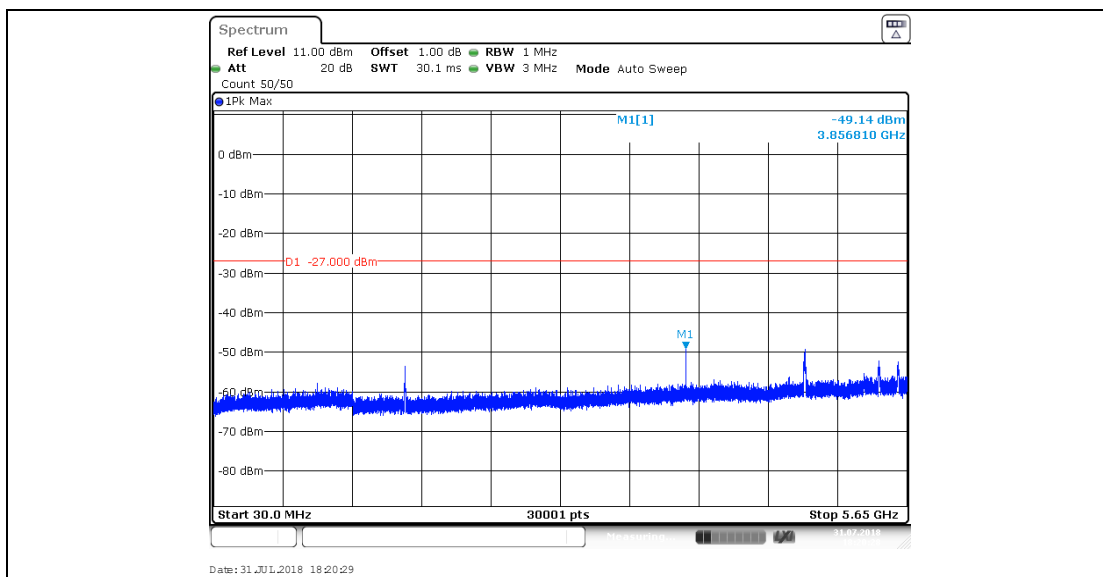
Date: 31 JUL 2018 18:17:02

**11A\_Ant1\_5745\_5925~40000**

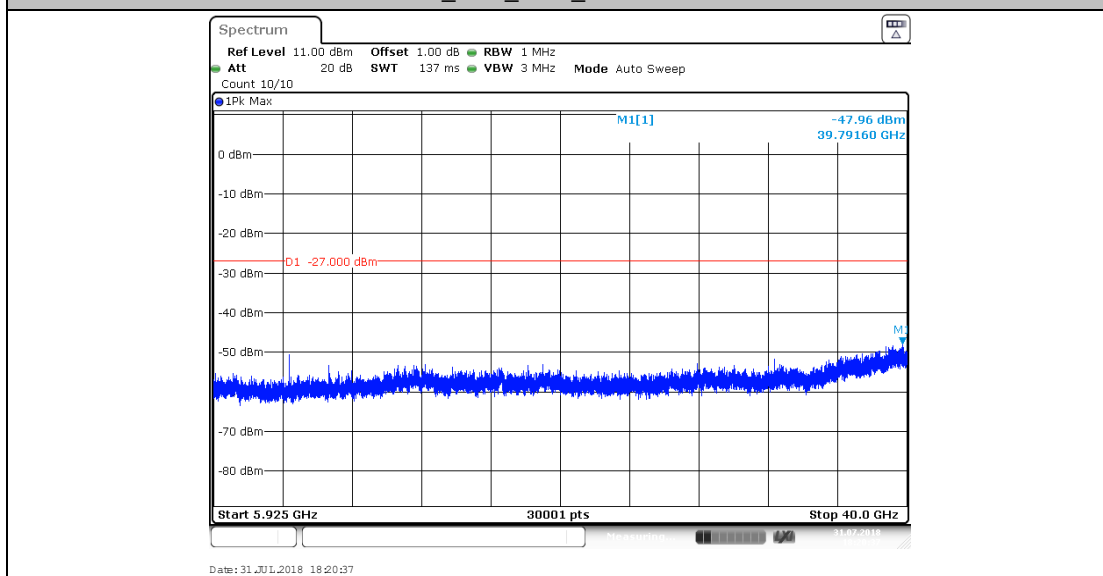


Date: 31 JUL 2018 18:17:11

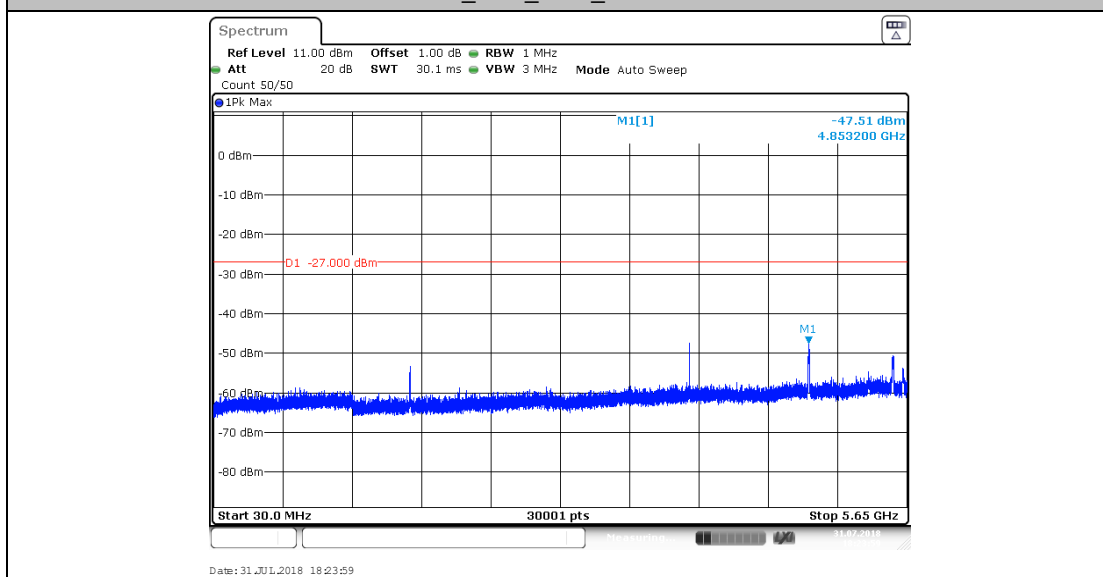
**11A\_Ant1\_5785\_30~5650**



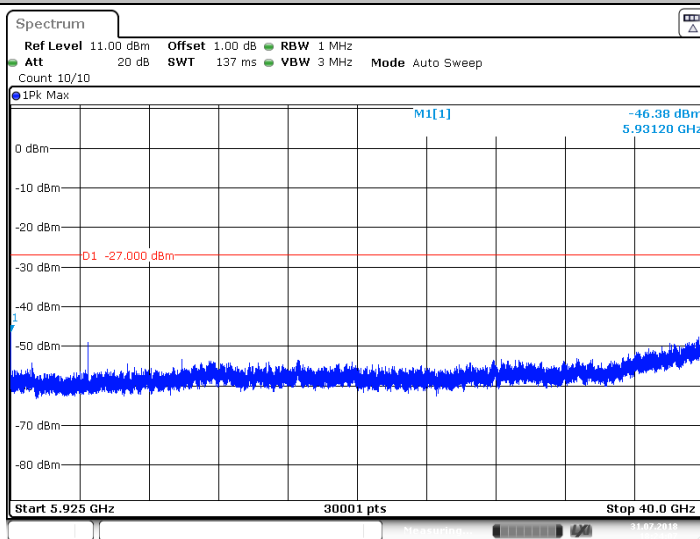
11A\_Ant1\_5785\_5925~40000



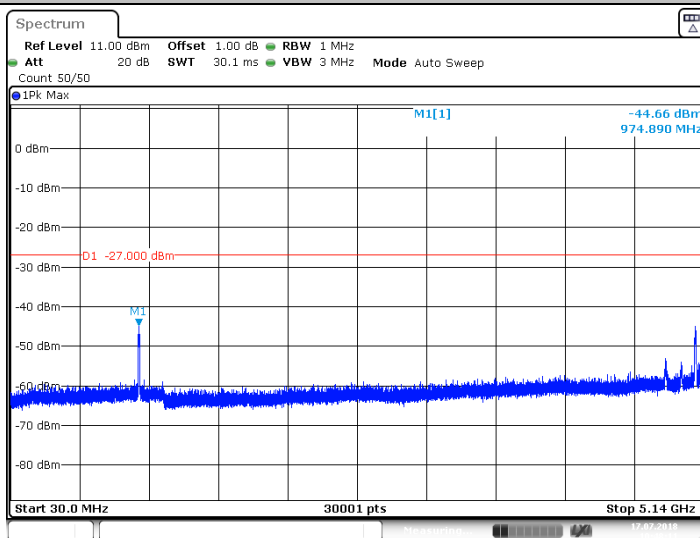
11A\_Ant1\_5825\_30~5650



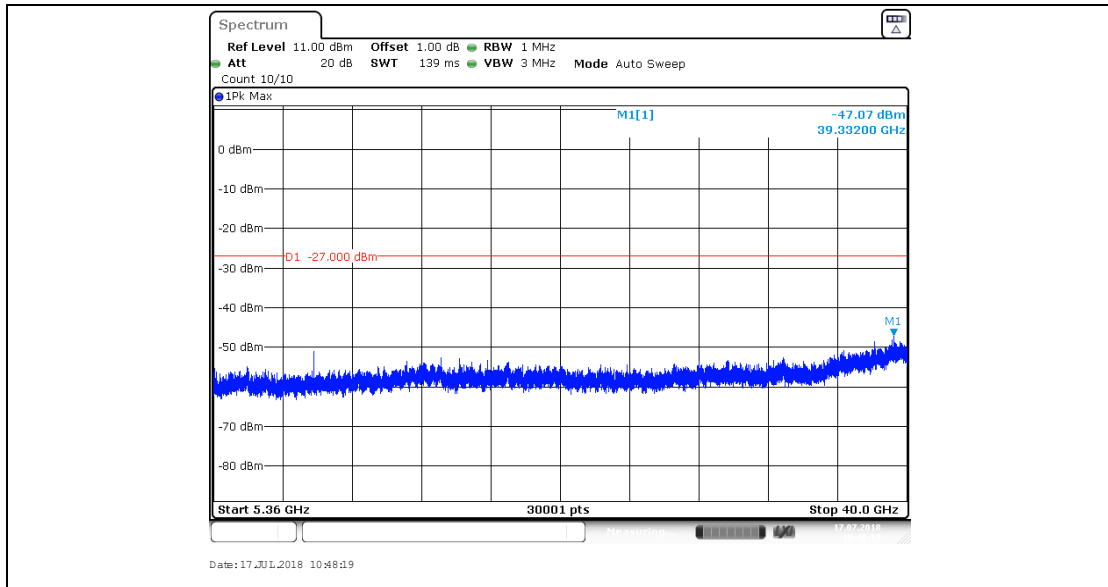
11A\_Ant1\_5825\_5925~40000



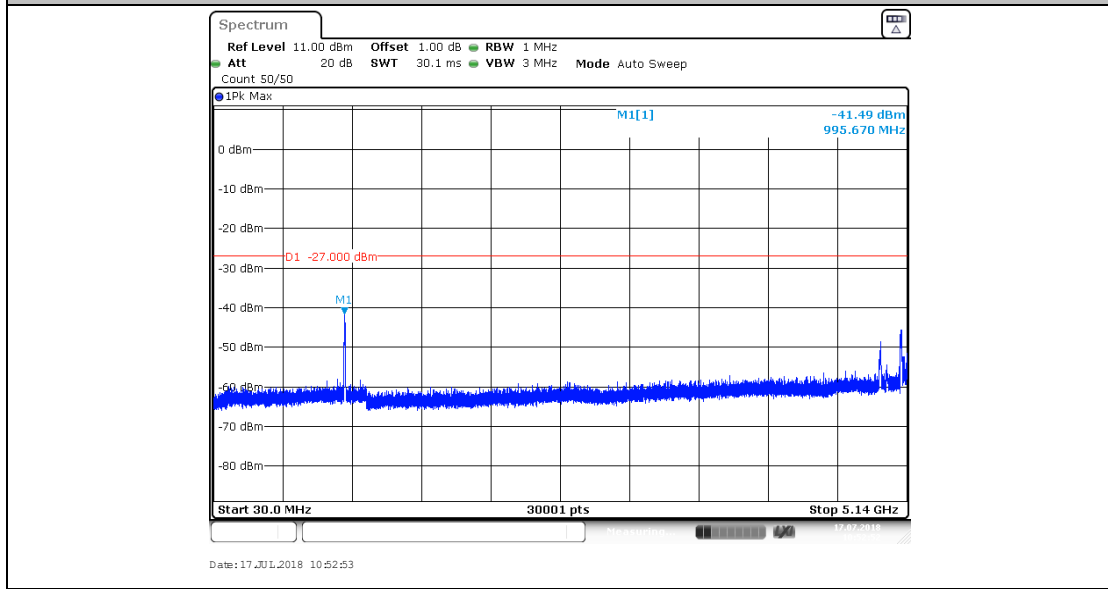
11N20SISO\_Ant1\_5180\_30~5140



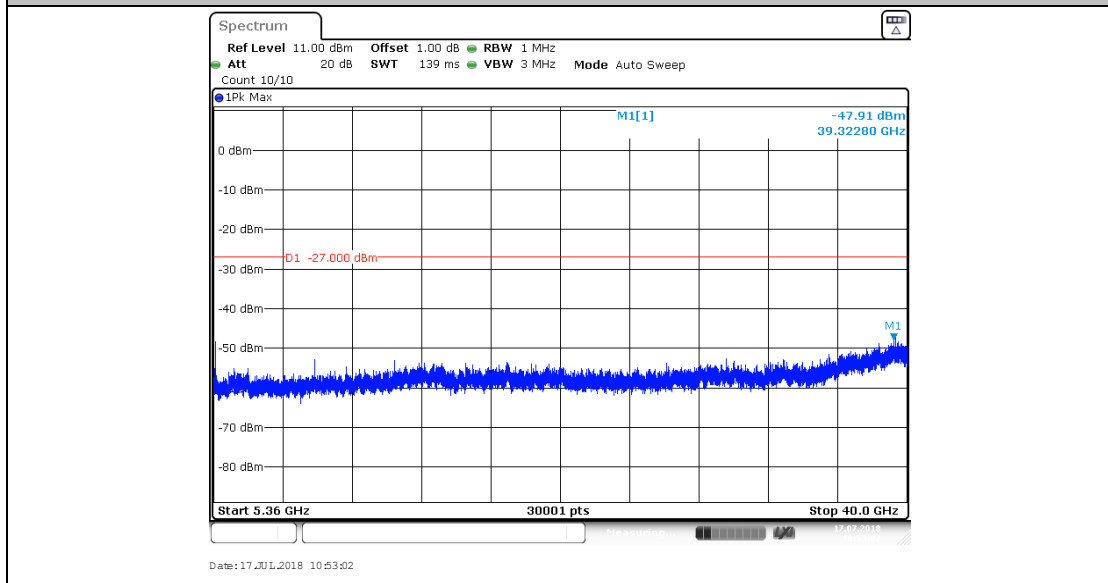
11N20SISO\_Ant1\_5180\_5360~40000



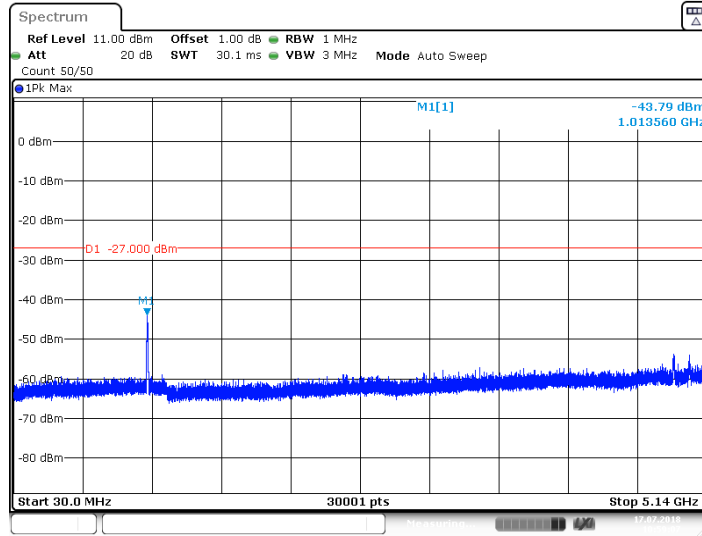
11N20SISO\_Ant1\_5200\_30~5140



11N20SISO\_Ant1\_5200\_5360~40000

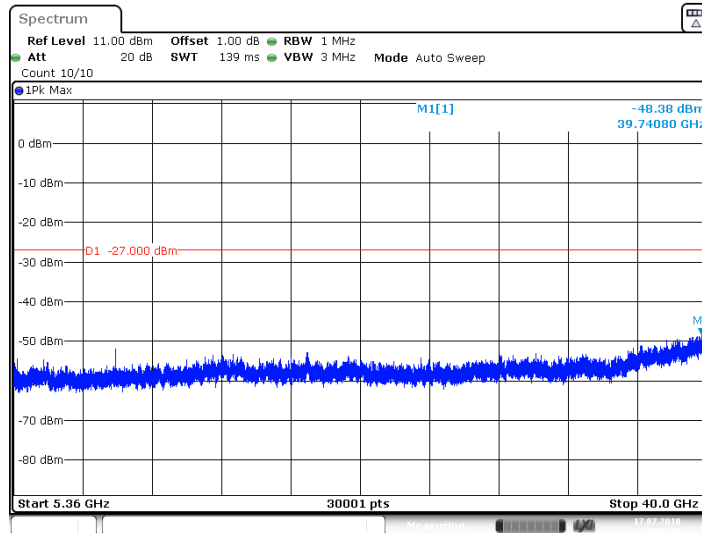


11N20SISO\_Ant1\_5220\_30~5140



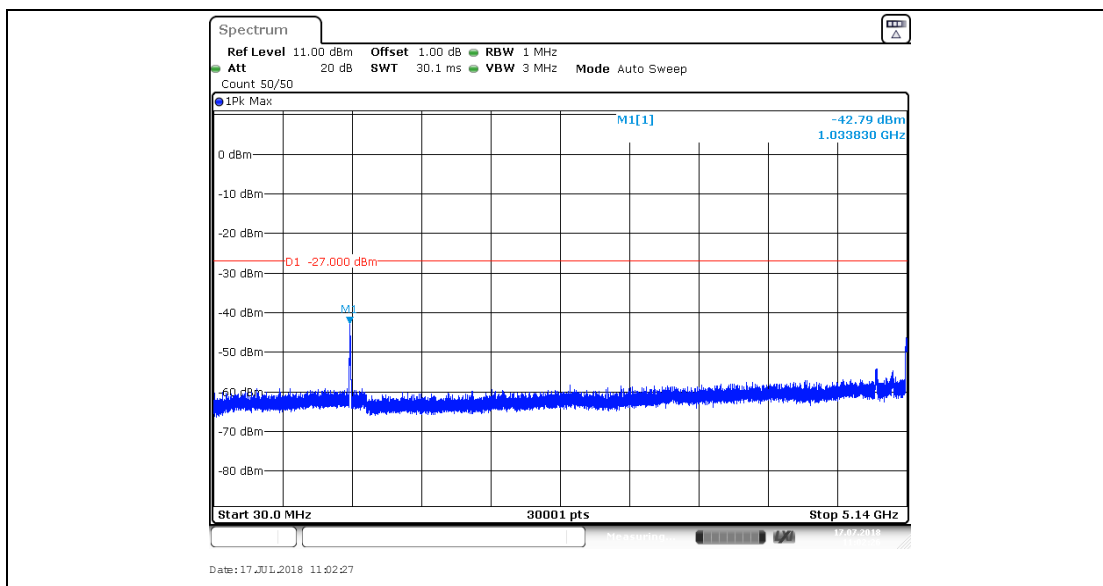
Date: 17 JUL 2018 10:59:07

11N20SISO\_Ant1\_5220\_5360~40000

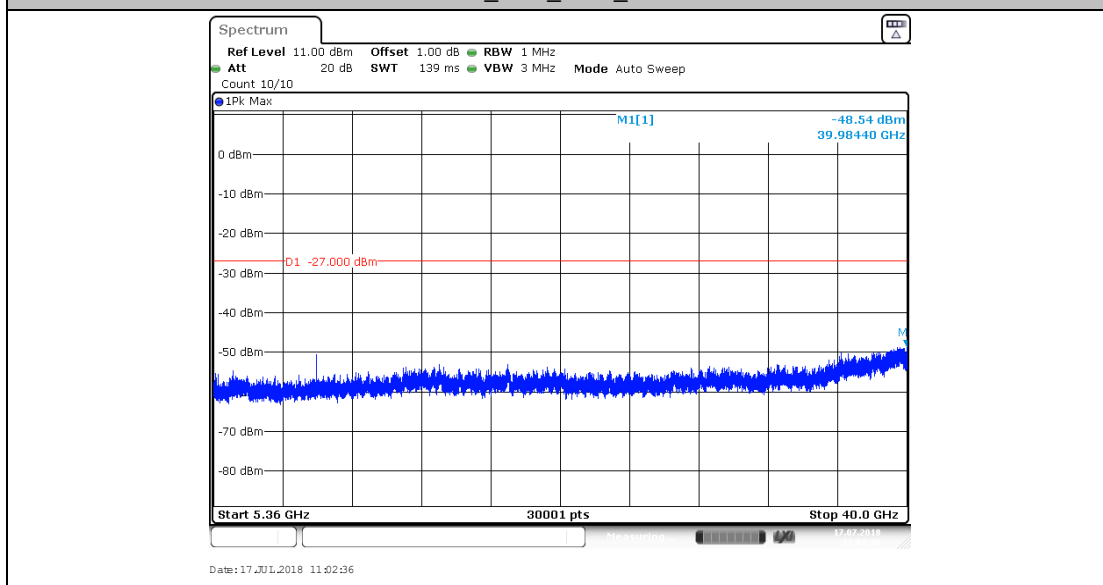


Date: 17 JUL 2018 10:59:15

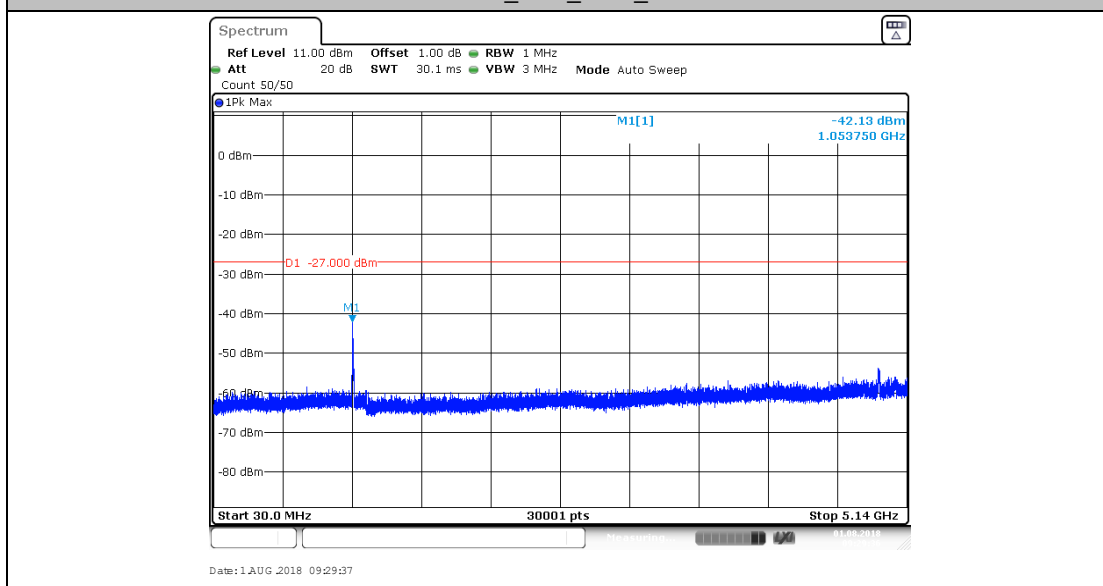
11N20SISO\_Ant1\_5240\_30~5140



11N20SISO\_Ant1\_5240\_5360~40000

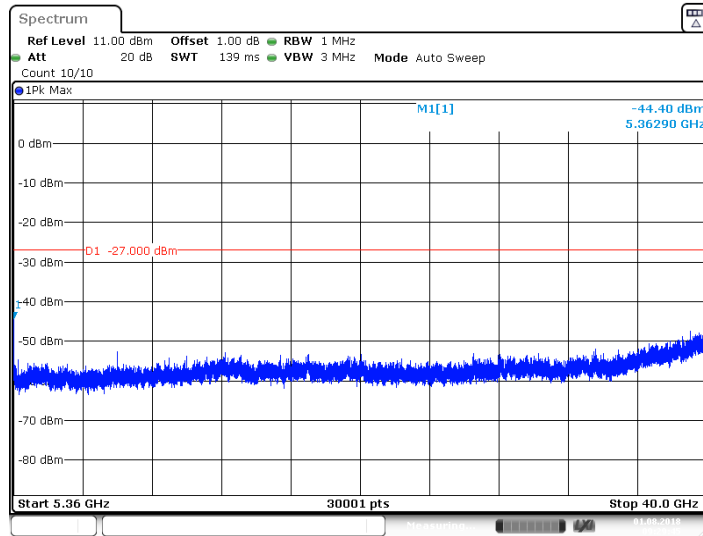


11N20SISO\_Ant1\_5260\_30~5140



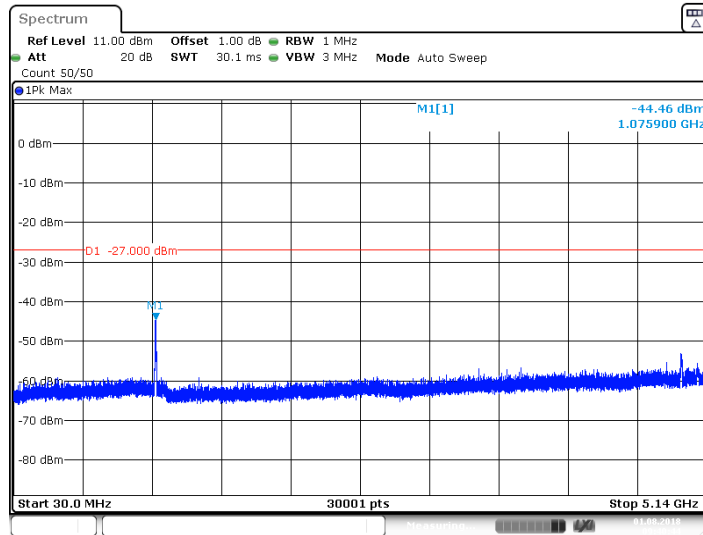


11N20SISO\_Ant1\_5260\_5360~40000



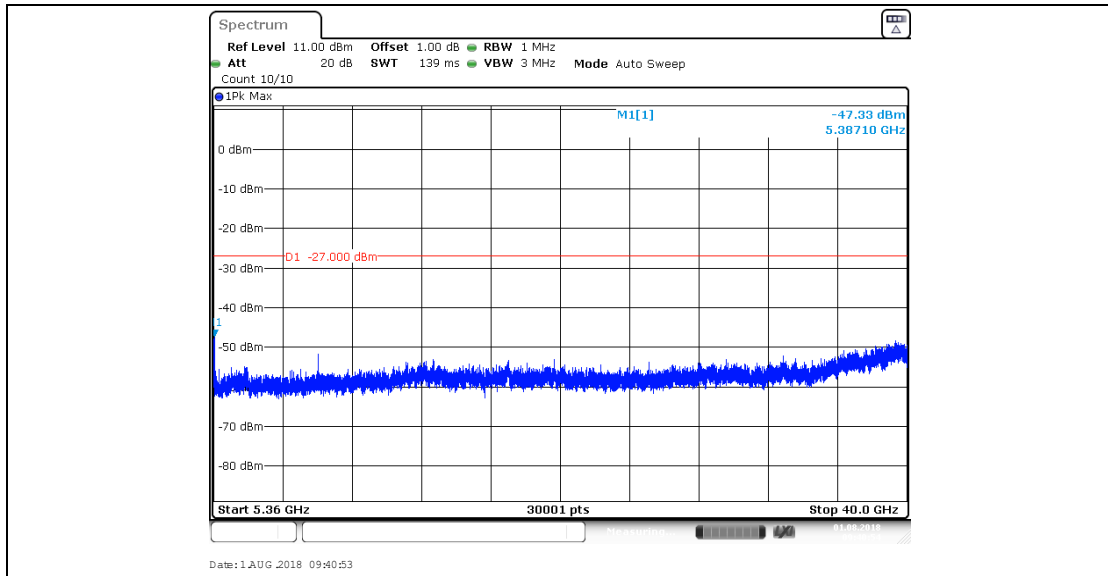
Date: 1 AUG 2018 09:29:45

11N20SISO\_Ant1\_5280\_30~5140

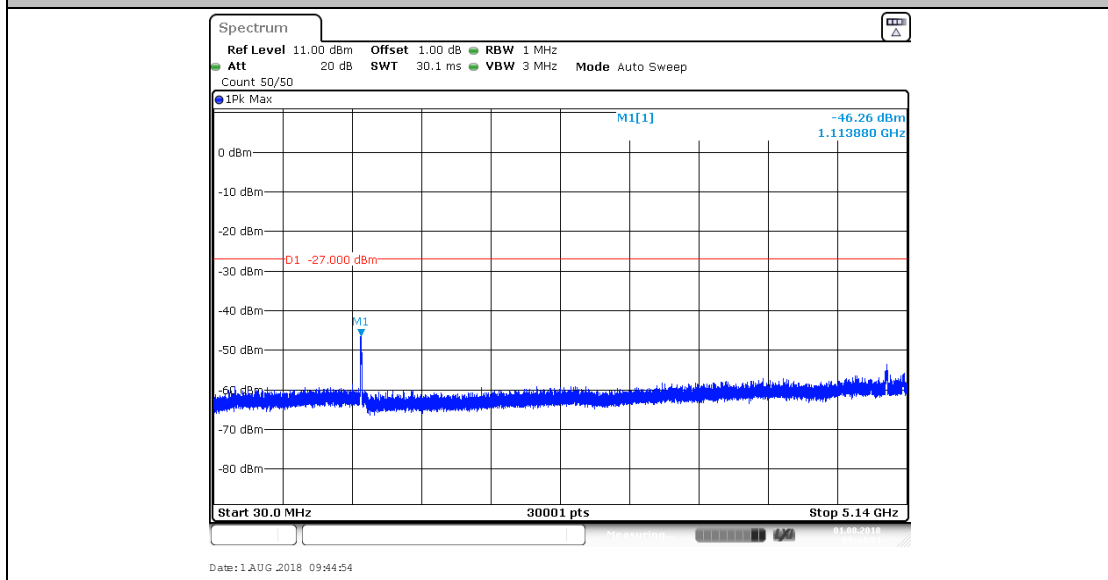


Date: 1 AUG 2018 09:40:45

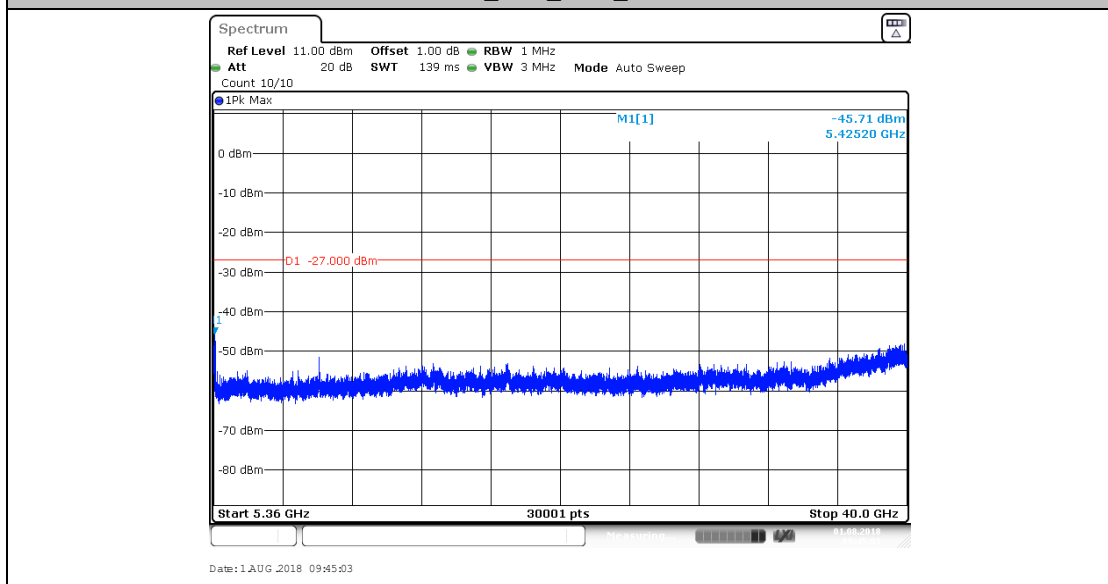
11N20SISO\_Ant1\_5280\_5360~40000



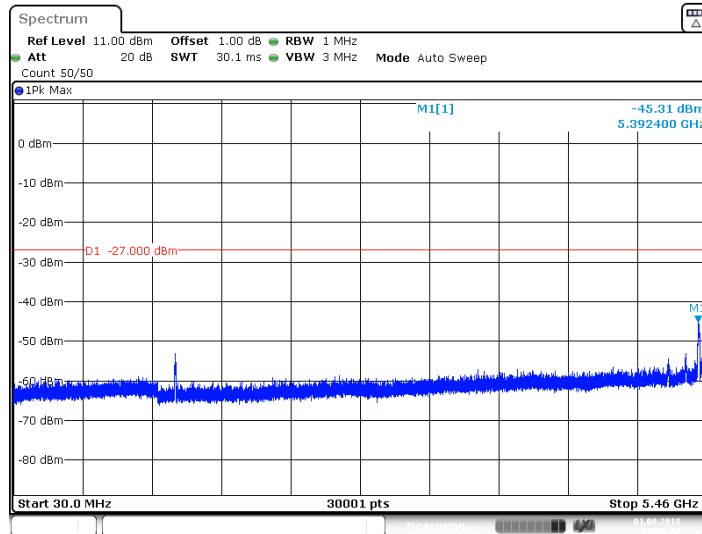
11N20SISO\_Ant1\_5320\_30~5140



11N20SISO\_Ant1\_5320\_5360~40000

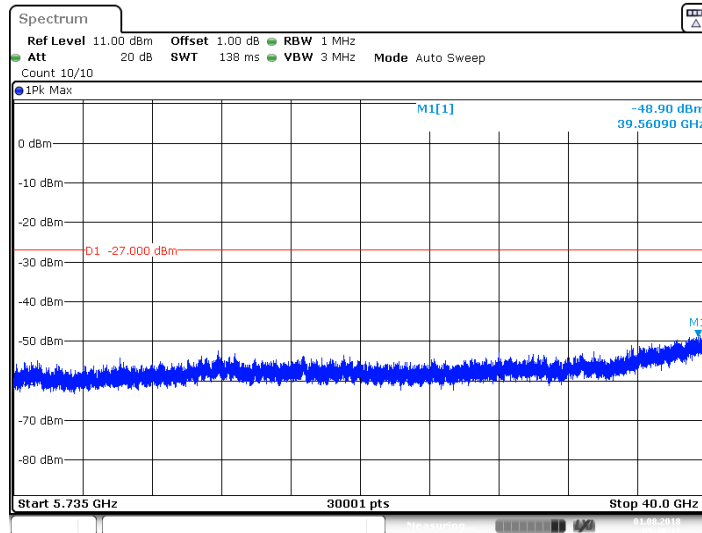


11N20SISO\_Ant1\_5500\_30~5460



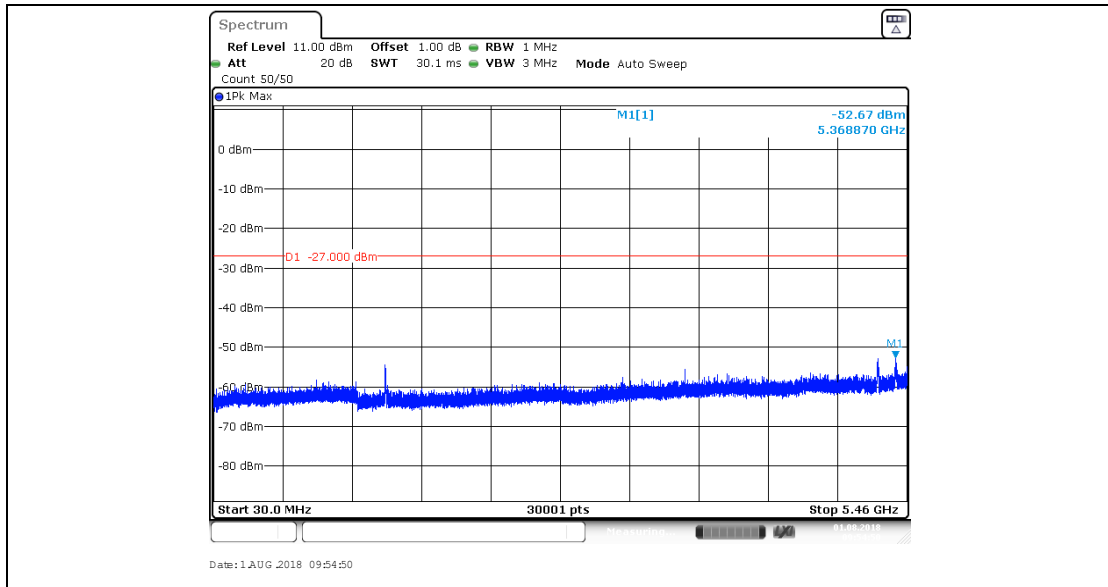
Date: 1 AUG 2018 09:48:03

11N20SISO\_Ant1\_5500\_5735~40000

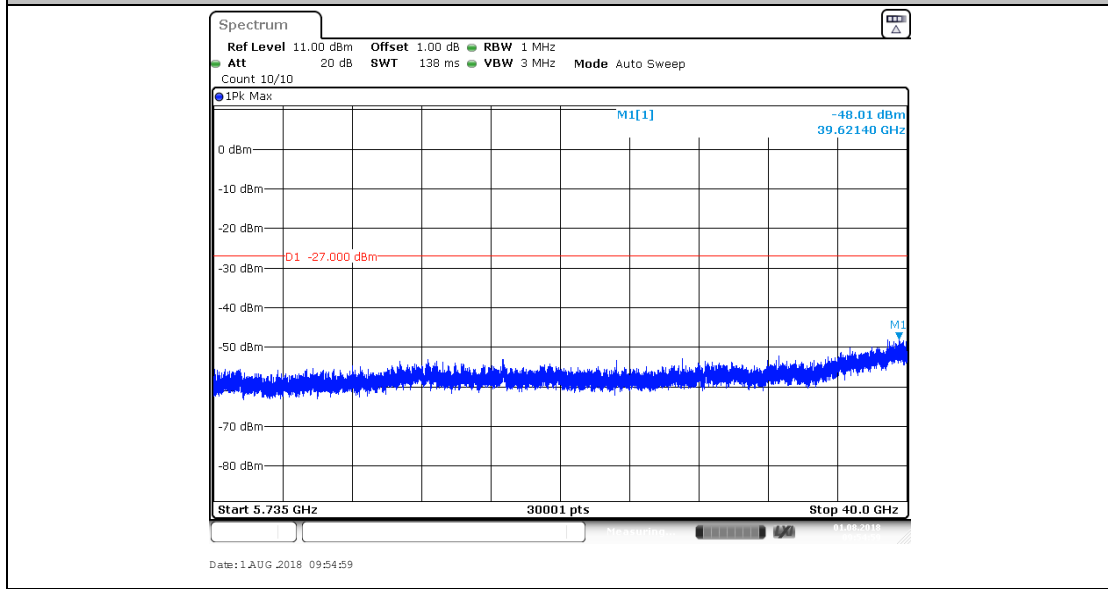


Date: 1 AUG 2018 09:48:12

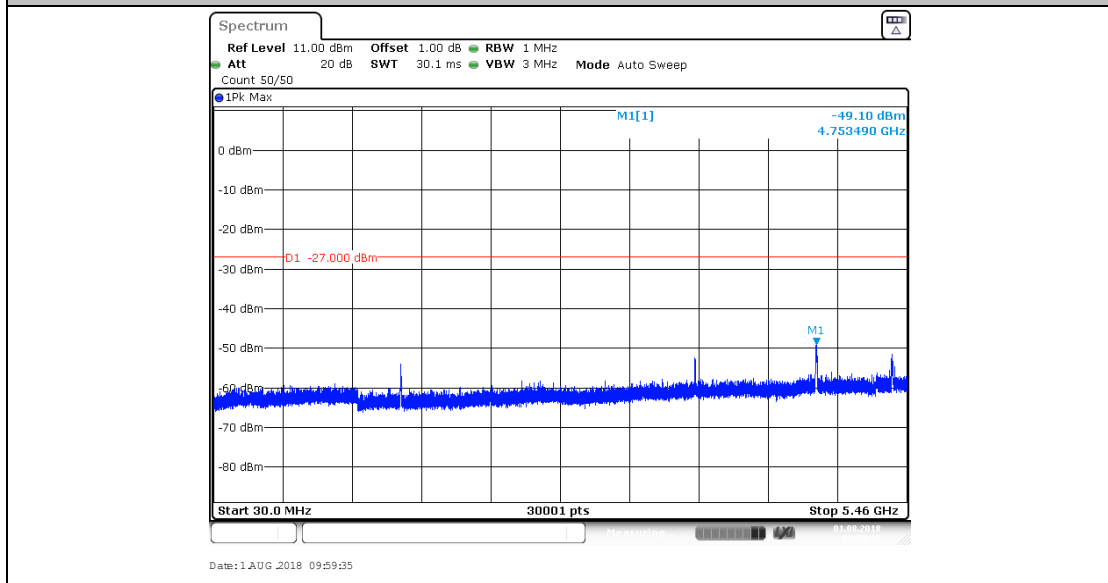
11N20SISO\_Ant1\_5580\_30~5460



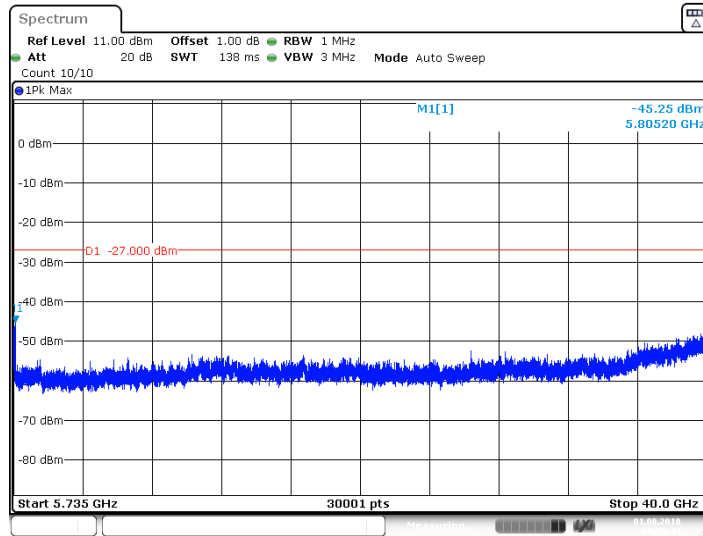
11N20SISO\_Ant1\_5580\_5735~40000



11N20SISO\_Ant1\_5700\_30~5460

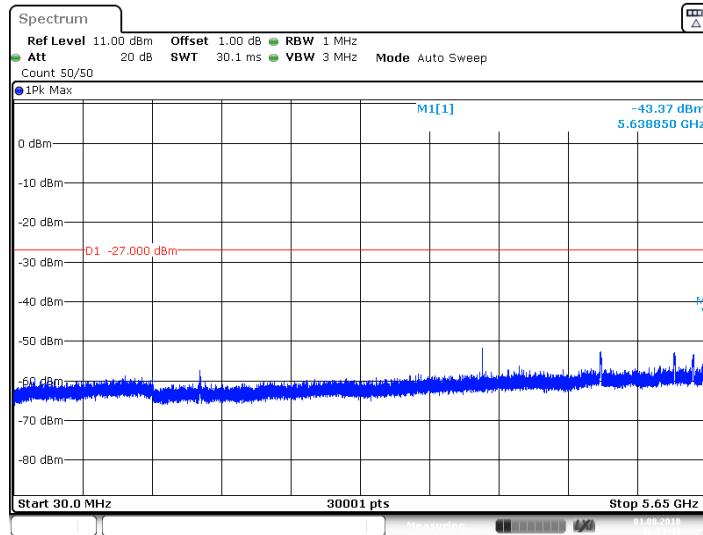


11N20SISO\_Ant1\_5700\_5735~40000



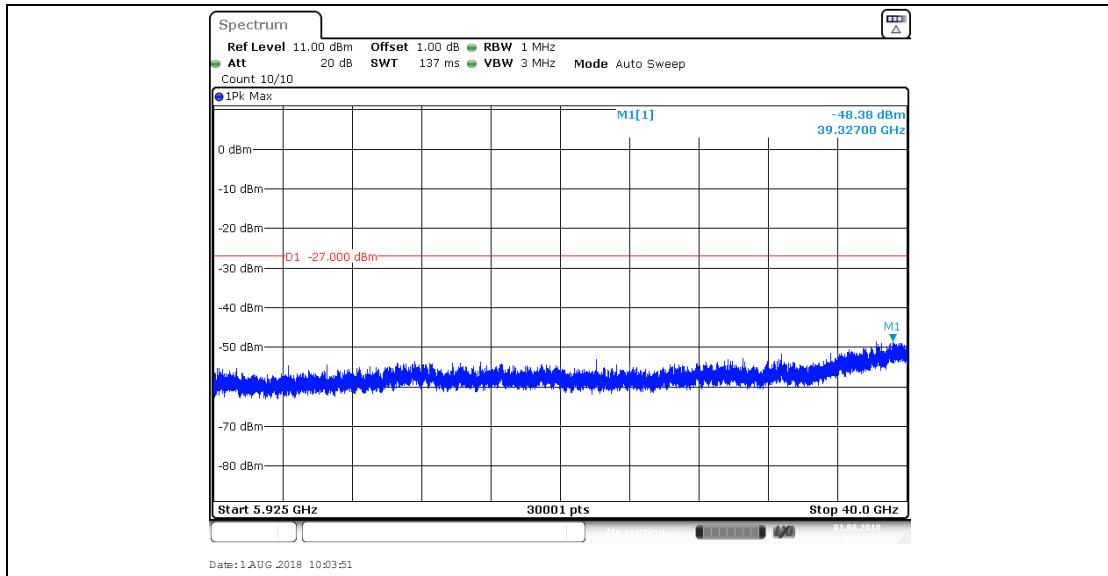
Date: 1 AUG 2018 09:59:44

11N20SISO\_Ant1\_5745\_30~5650

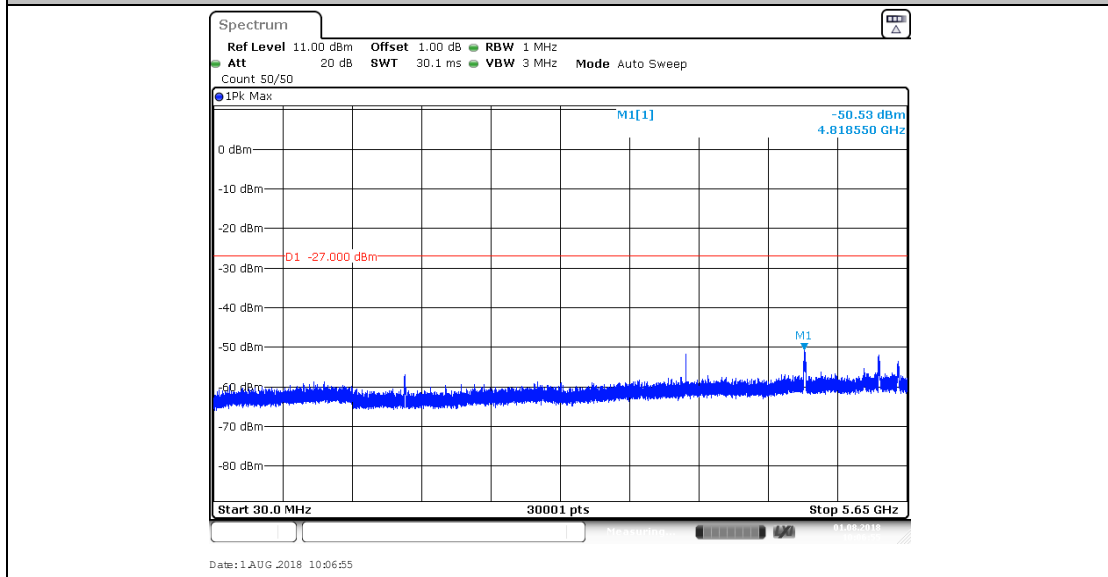


Date: 1 AUG 2018 10:03:42

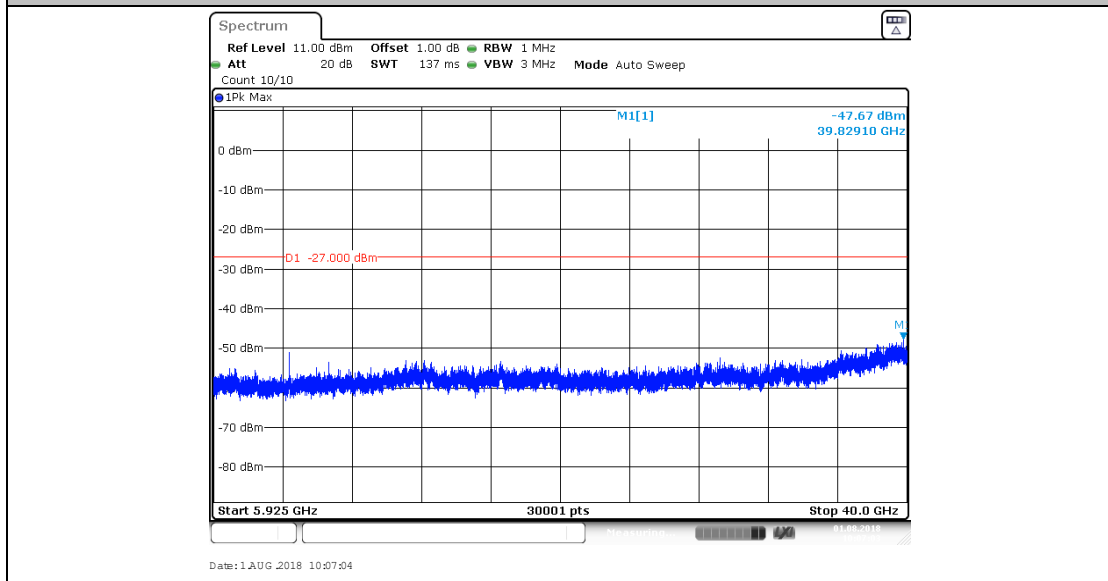
11N20SISO\_Ant1\_5745\_5925~40000



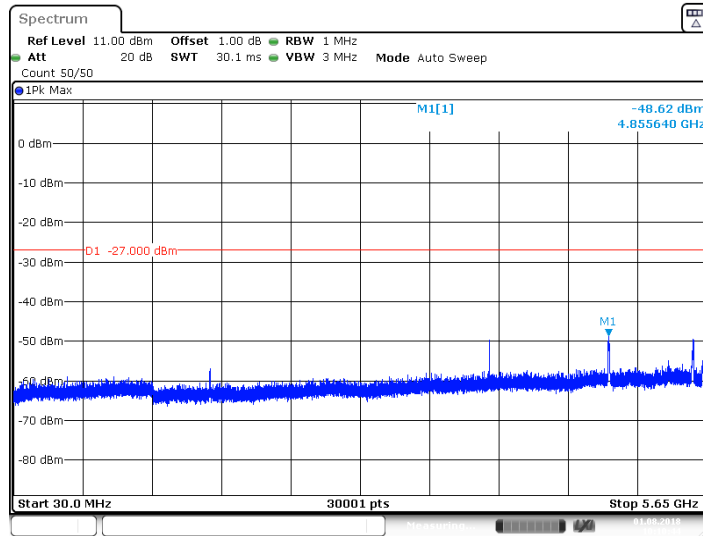
11N20SISO\_Ant1\_5785\_30~5650



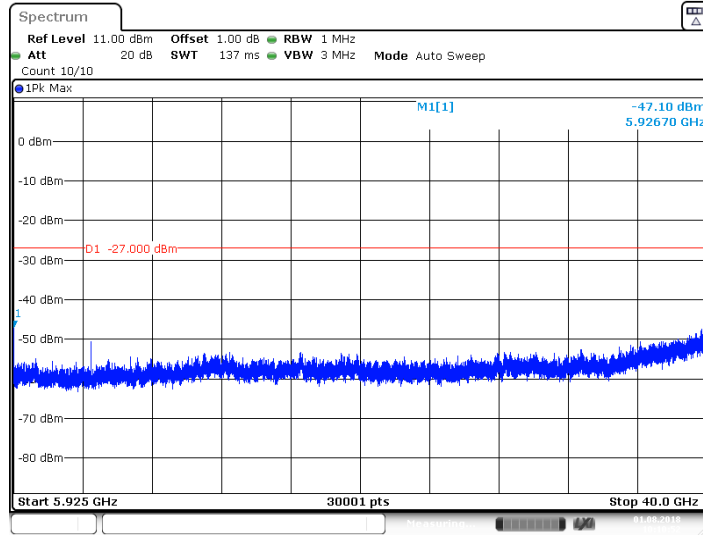
11N20SISO\_Ant1\_5785\_5925~40000



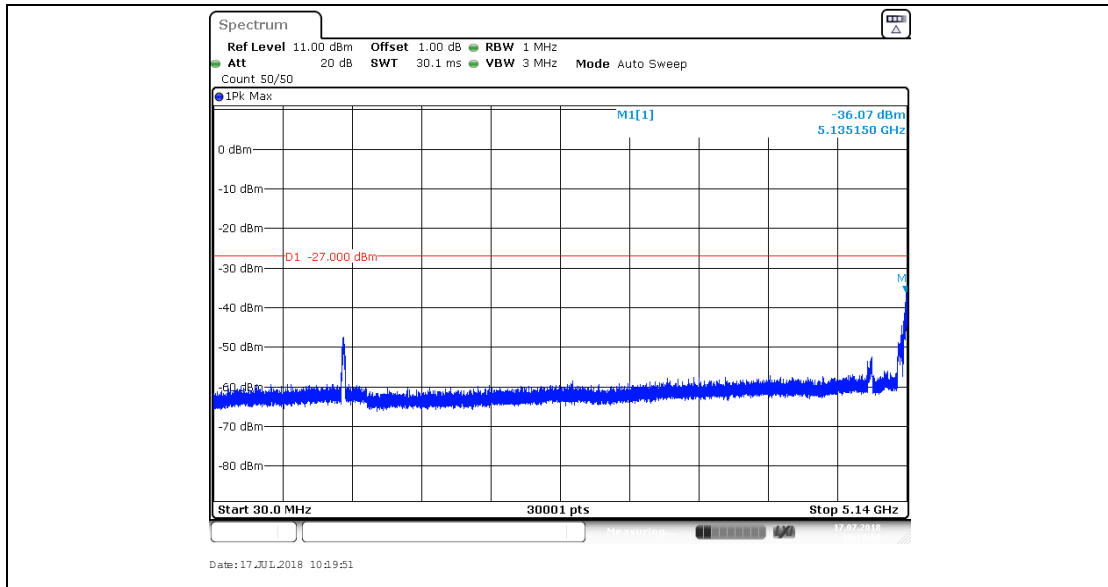
11N20SISO\_Ant1\_5825\_30~5650



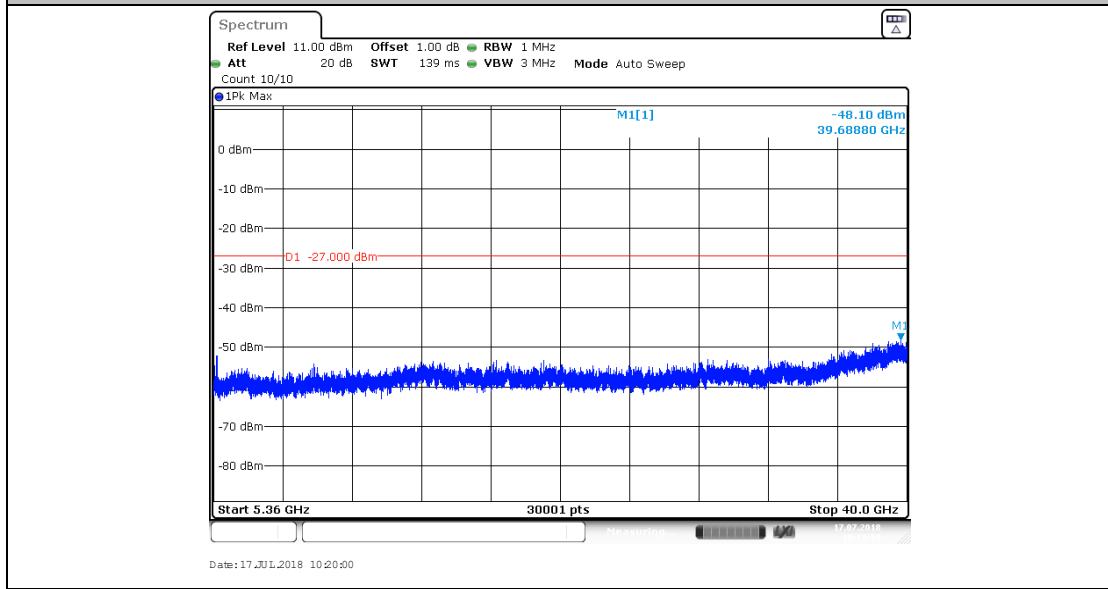
11N20SISO\_Ant1\_5825\_5925~40000



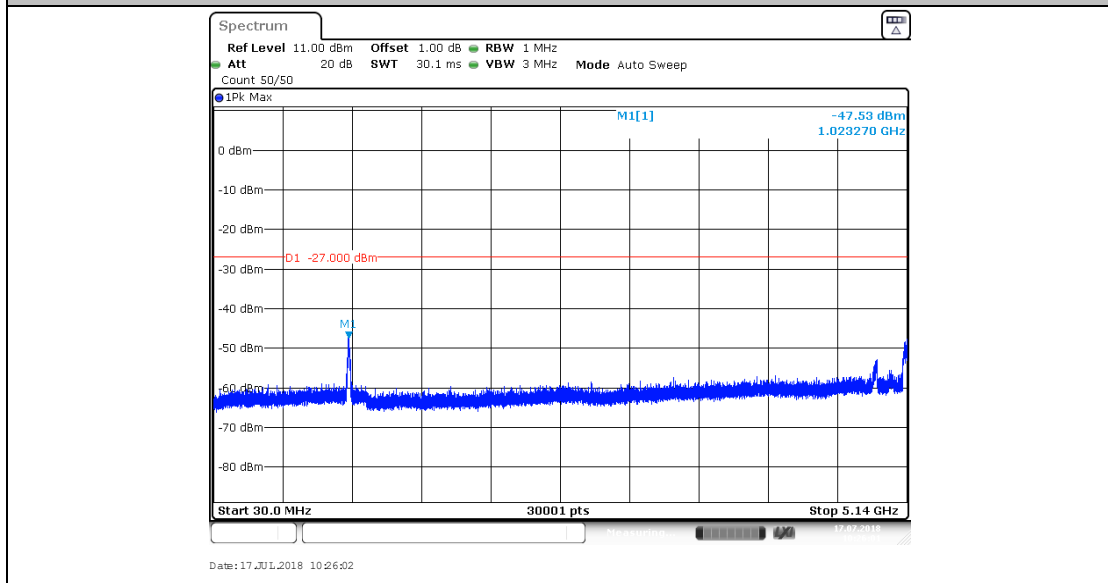
11N40SISO\_Ant1\_5190\_30~5140



11N40SISO\_Ant1\_5190\_5360~40000

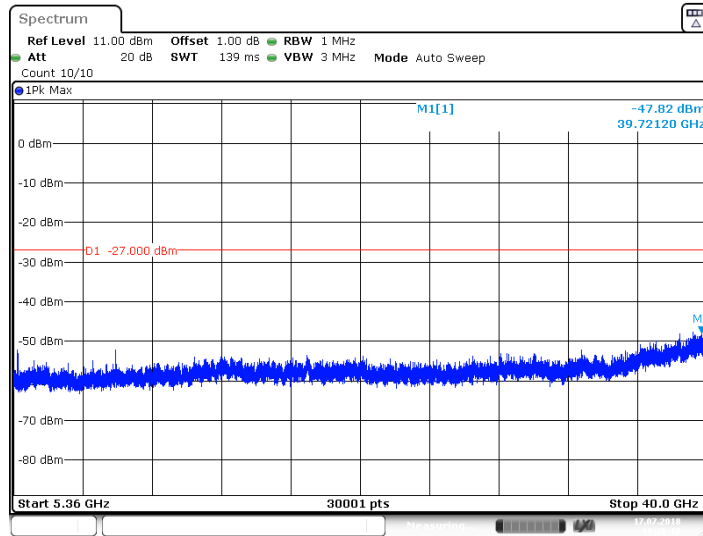


11N40SISO\_Ant1\_5230\_30~5140

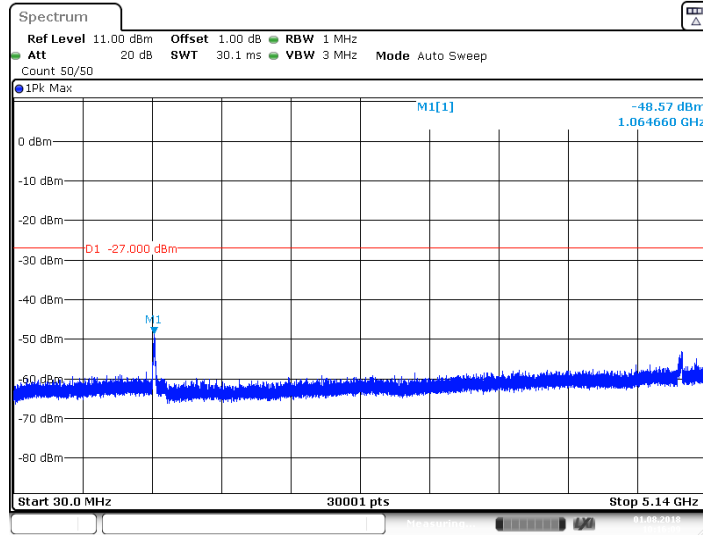




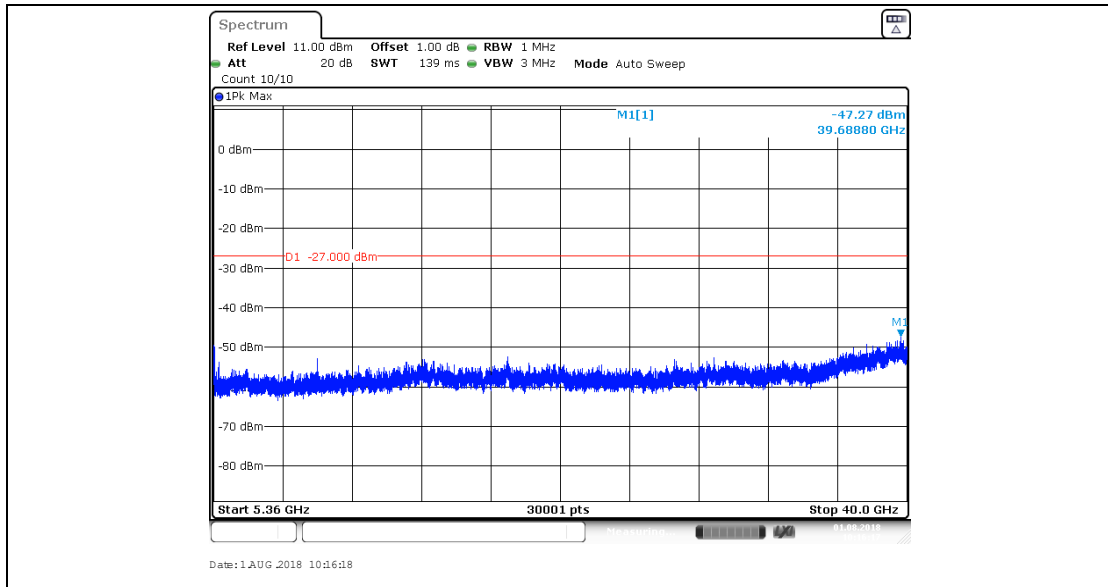
11N40SISO\_Ant1\_5230\_5360~40000



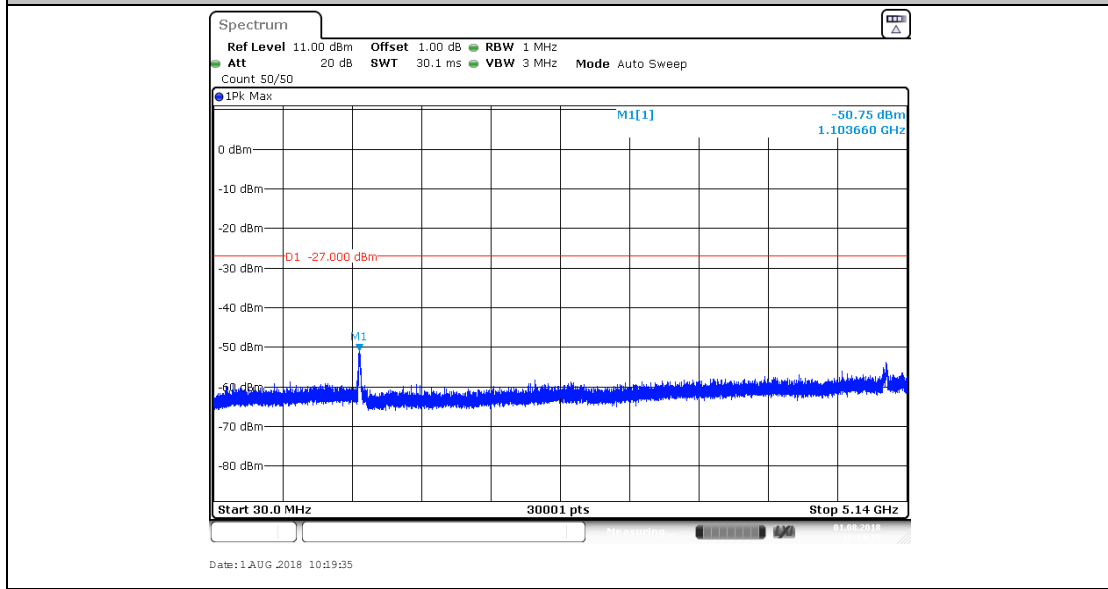
11N40SISO\_Ant1\_5270\_30~5140



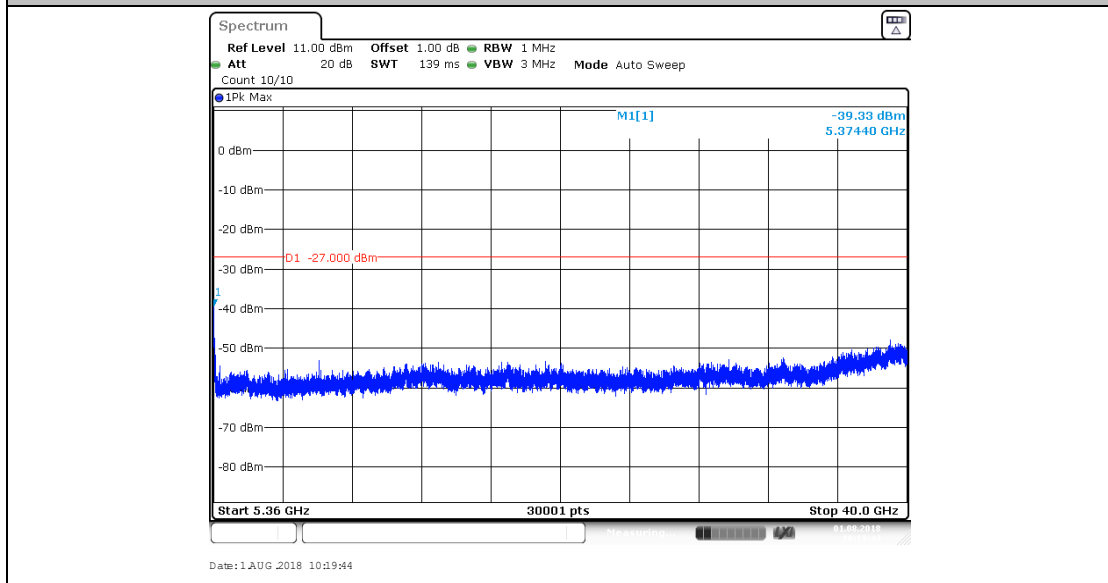
11N40SISO\_Ant1\_5270\_5360~40000



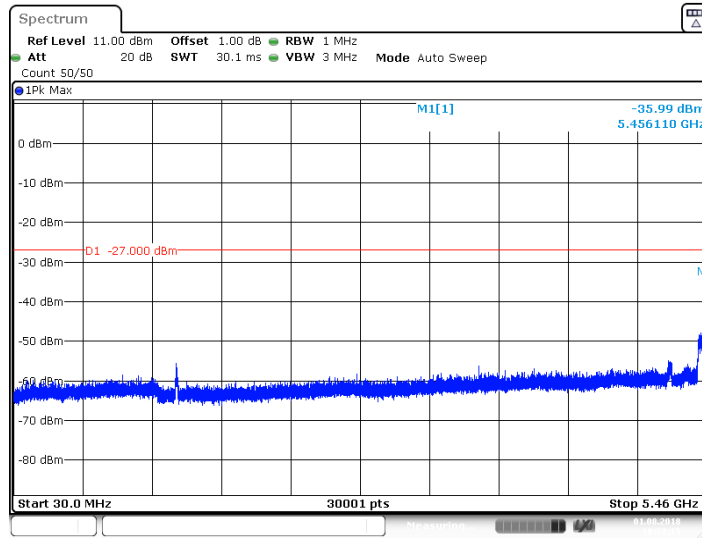
11N40SISO\_Ant1\_5310\_30~5140



11N40SISO\_Ant1\_5310\_5360~40000

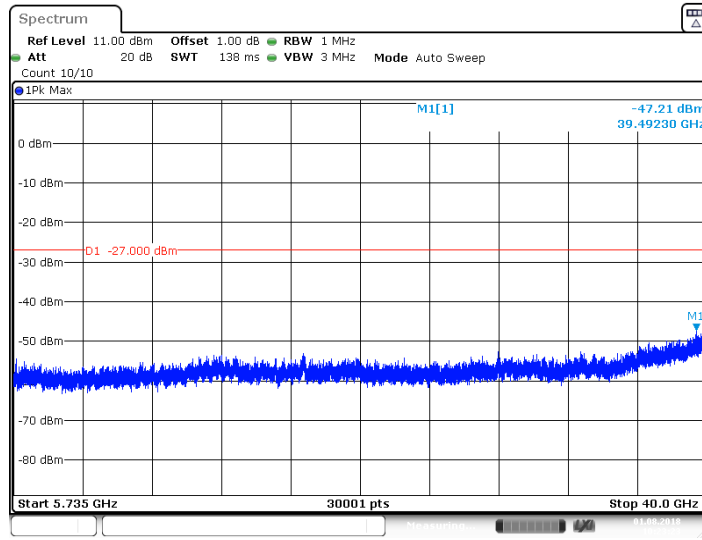


11N40SISO\_Ant1\_5510\_30~5460



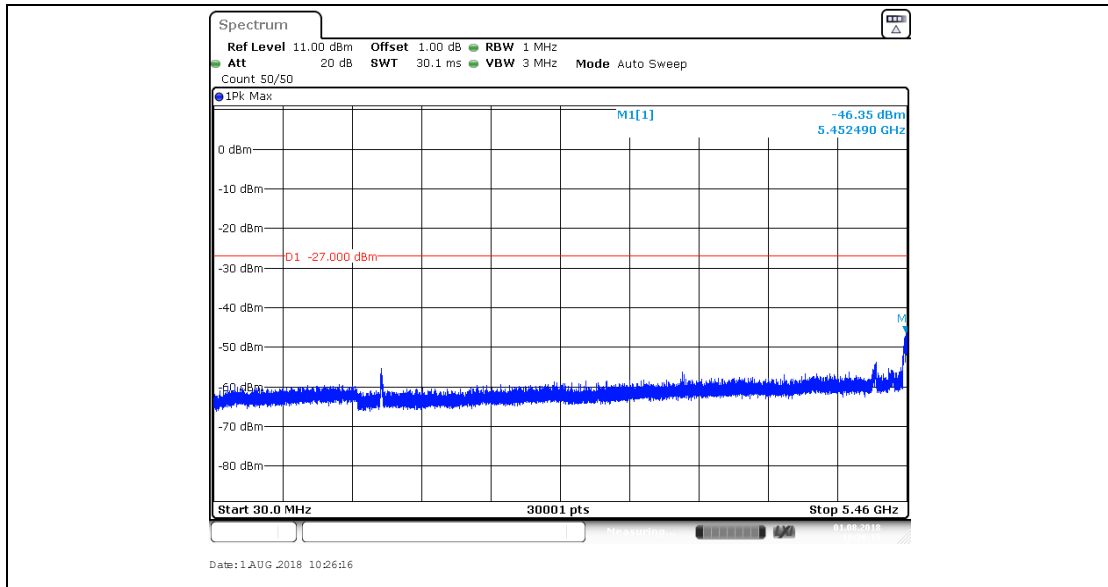
Date: 1 AUG 2018 10:23:15

11N40SISO\_Ant1\_5510\_5735~40000

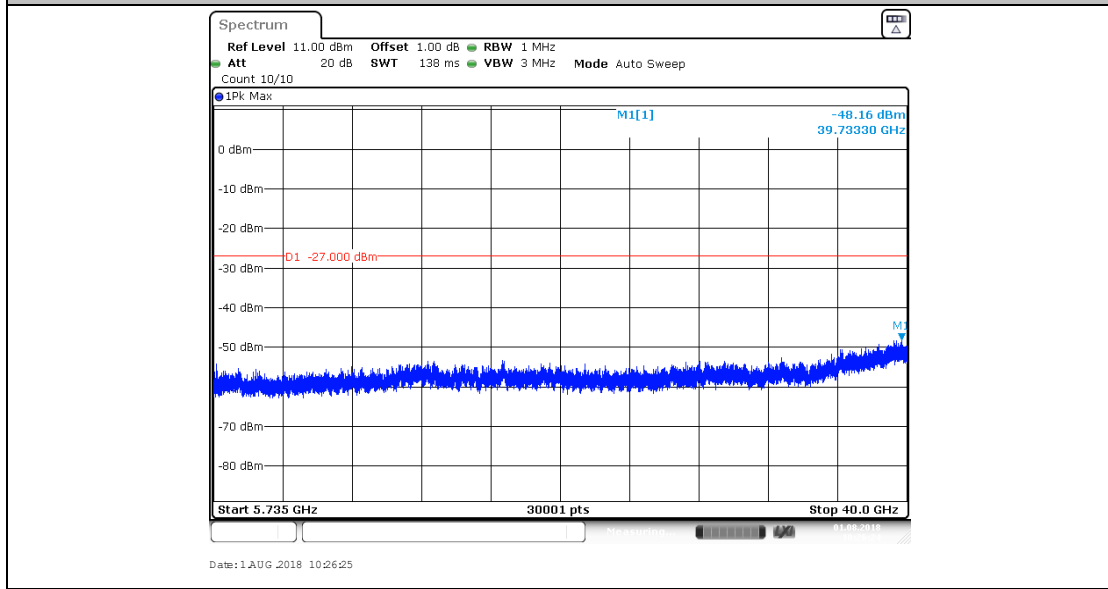


Date: 1 AUG 2018 10:23:23

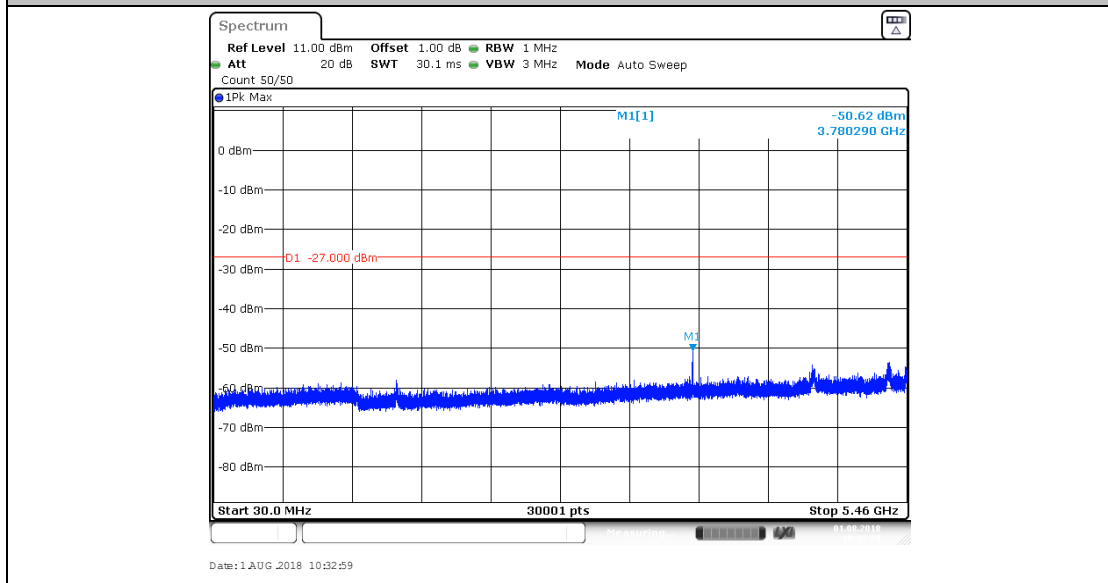
11N40SISO\_Ant1\_5550\_30~5460



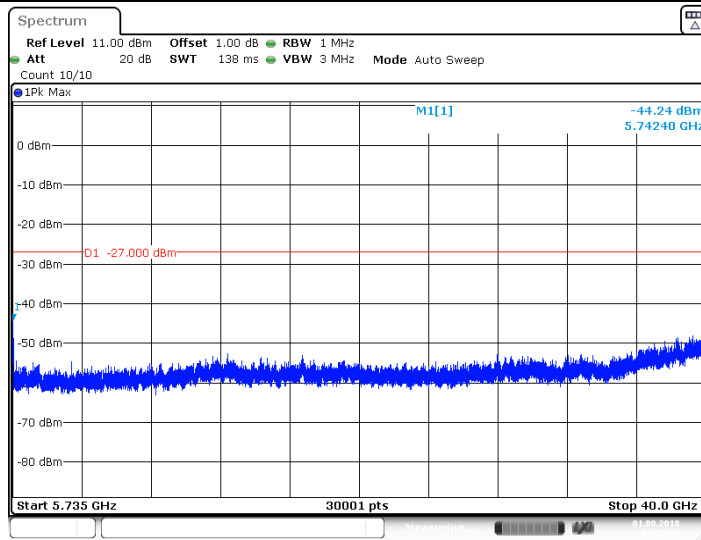
11N40SISO\_Ant1\_5550\_5735~40000



11N40SISO\_Ant1\_5670\_30~5460

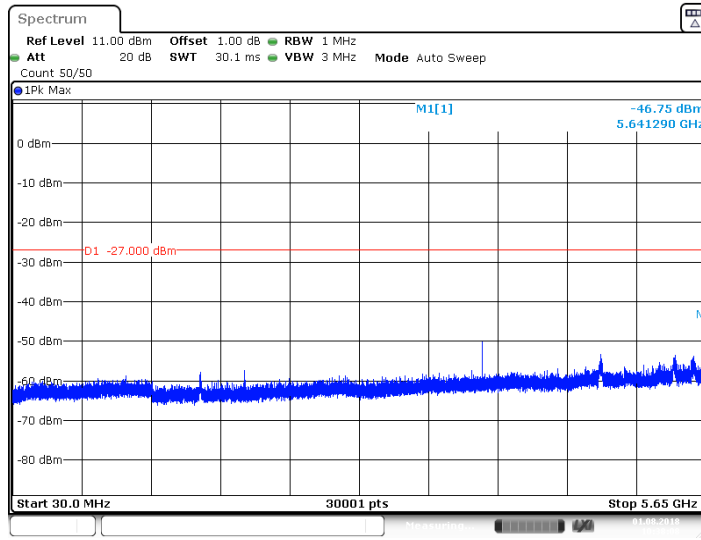


11N40SISO\_Ant1\_5670\_5735~40000



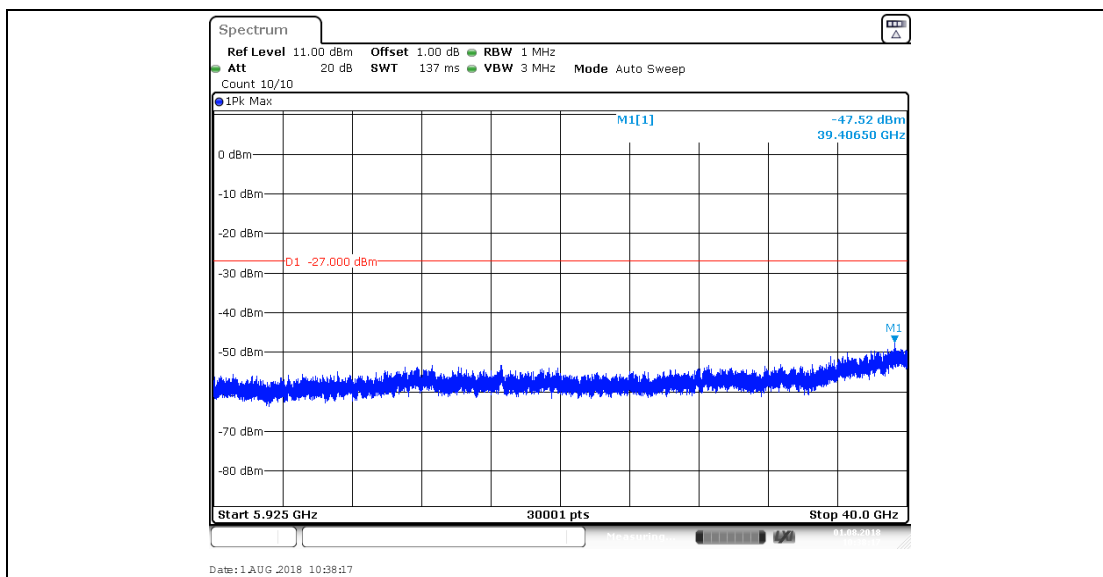
Date: 1 AUG 2018 10:33:08

11N40SISO\_Ant1\_5755\_30~5650

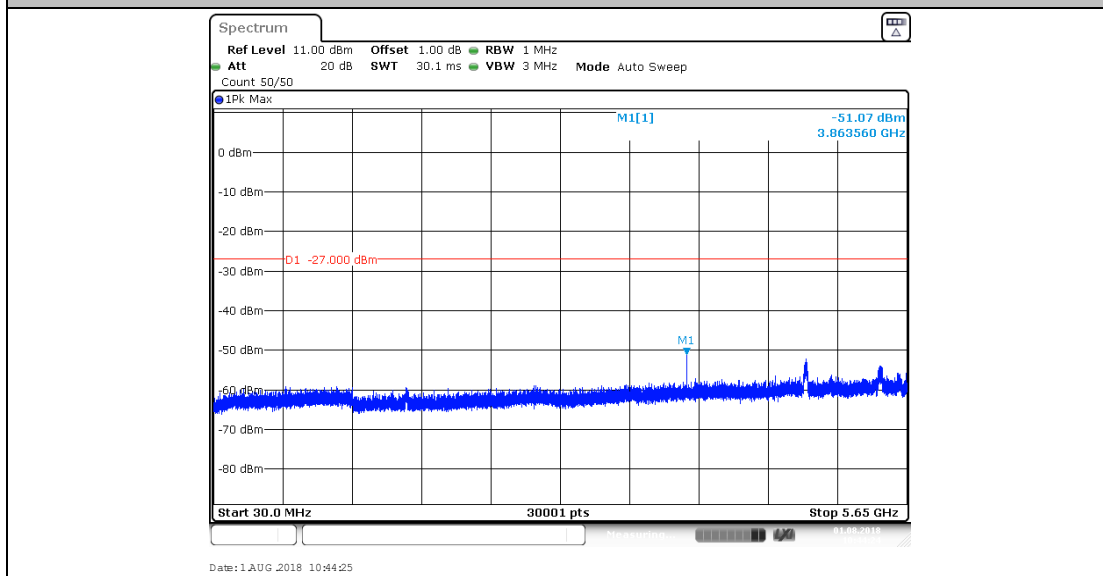


Date: 1 AUG 2018 10:38:08

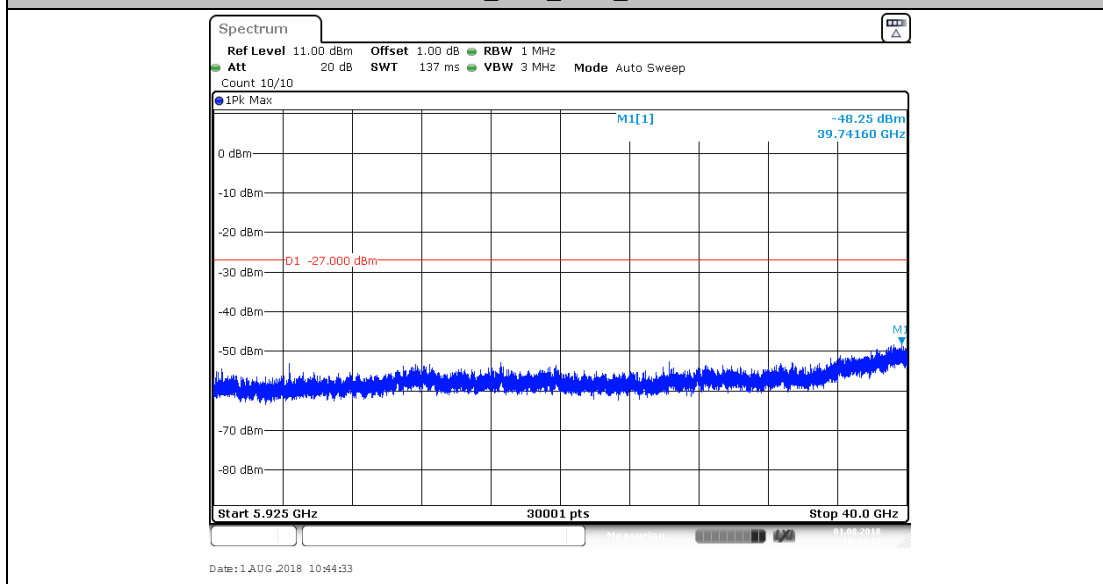
11N40SISO\_Ant1\_5755\_5925~40000



11N40SISO\_Ant1\_5795\_30~5650



11N40SISO\_Ant1\_5795\_5925~40000



## Appendix F: Frequency Stability

### Test Result

TestMode	Antenna	Channel	Voltage					Limit (ppm)	Verdict
			Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)		
11A	Ant1	5180	NV	NT	0	0	20	PASS	
		5180	LV	NT	-15000	-2.895753	20	PASS	
		5180	HV	NT	0	0	20	PASS	
		5200	NV	NT	15000	2.884615	20	PASS	
		5200	LV	NT	15000	2.884615	20	PASS	
		5200	HV	NT	0	0	20	PASS	
		5220	NV	NT	15000	2.873563	20	PASS	
		5220	LV	NT	-15000	-2.873563	20	PASS	
		5220	HV	NT	0	0	20	PASS	
		5240	NV	NT	0	0	20	PASS	
		5240	LV	NT	-15000	-2.862595	20	PASS	
		5240	HV	NT	-15000	-2.862595	20	PASS	
		5260	NV	NT	0	0	20	PASS	
		5260	LV	NT	0	0	20	PASS	
		5260	HV	NT	0	0	20	PASS	
		5280	NV	NT	30000	5.681818	20	PASS	
		5280	LV	NT	0	0	20	PASS	
		5280	HV	NT	15000	2.840909	20	PASS	
		5320	NV	NT	-15000	-2.819549	20	PASS	
		5320	LV	NT	0	0	20	PASS	
		5320	HV	NT	0	0	20	PASS	
		5500	NV	NT	-15000	-2.727273	20	PASS	
		5500	LV	NT	-15000	-2.727273	20	PASS	
		5500	HV	NT	-15000	-2.727273	20	PASS	
		5580	NV	NT	-15000	-2.688172	20	PASS	
		5580	LV	NT	-15000	-2.688172	20	PASS	
		5580	HV	NT	-15000	-2.688172	20	PASS	
		5700	NV	NT	-15000	-2.631579	20	PASS	
		5700	LV	NT	30000	5.263158	20	PASS	
		5700	HV	NT	-15000	-2.631579	20	PASS	
5745	NV	NT	0	0	20	PASS			
5745	LV	NT	-15000	-2.610966	20	PASS			
5745	HV	NT	15000	2.610966	20	PASS			
5785	NV	NT	0	0	20	PASS			

		5785	LV	NT	0	0	20	PASS
		5785	HV	NT	0	0	20	PASS
		5825	NV	NT	-15000	-2.575107	20	PASS
		5825	LV	NT	0	0	20	PASS
		5825	HV	NT	-15000	-2.575107	20	PASS
11N20SI SO	Ant1	5180	NV	NT	0	0	20	PASS
		5180	LV	NT	0	0	20	PASS
		5180	HV	NT	0	0	20	PASS
		5200	NV	NT	-60000	-11.538462	20	PASS
		5200	LV	NT	-15000	-2.884615	20	PASS
		5200	HV	NT	-15000	-2.884615	20	PASS
		5220	NV	NT	-30000	-5.747126	20	PASS
		5220	LV	NT	15000	2.873563	20	PASS
		5220	HV	NT	0	0	20	PASS
		5240	NV	NT	0	0	20	PASS
		5240	LV	NT	0	0	20	PASS
		5240	HV	NT	15000	2.862595	20	PASS
		5260	NV	NT	-15000	-2.851711	20	PASS
		5260	LV	NT	-15000	-2.851711	20	PASS
		5260	HV	NT	0	0	20	PASS
		5280	NV	NT	-15000	-2.840909	20	PASS
		5280	LV	NT	15000	2.840909	20	PASS
		5280	HV	NT	30000	5.681818	20	PASS
		5320	NV	NT	0	0	20	PASS
		5320	LV	NT	-15000	-2.819549	20	PASS
		5320	HV	NT	-30000	-5.639098	20	PASS
		5500	NV	NT	0	0	20	PASS
		5500	LV	NT	-15000	-2.727273	20	PASS
		5500	HV	NT	0	0	20	PASS
		5580	NV	NT	-15000	-2.688172	20	PASS
		5580	LV	NT	0	0	20	PASS
		5580	HV	NT	-15000	-2.688172	20	PASS
		5700	NV	NT	-15000	-2.631579	20	PASS
		5700	LV	NT	0	0	20	PASS
		5700	HV	NT	0	0	20	PASS
		5745	NV	NT	-15000	-2.610966	20	PASS
		5745	LV	NT	-30000	-5.221932	20	PASS
		5745	HV	NT	0	0	20	PASS
5785	NV	NT	30000	5.185825	20	PASS		
5785	LV	NT	-45000	-7.778738	20	PASS		
5785	HV	NT	0	0	20	PASS		
5825	NV	NT	-15000	-2.575107	20	PASS		
5825	LV	NT	15000	2.575107	20	PASS		



		5825	HV	NT	0	0	20	PASS
11N40SI SO	Ant1	5190	NV	NT	0	0	20	PASS
		5190	LV	NT	0	0	20	PASS
		5190	HV	NT	30000	5.780347	20	PASS
		5230	NV	NT	0	0	20	PASS
		5230	LV	NT	30000	5.736138	20	PASS
		5230	HV	NT	0	0	20	PASS
		5270	NV	NT	-30000	-5.6926	20	PASS
		5270	LV	NT	0	0	20	PASS
		5270	HV	NT	0	0	20	PASS
		5310	NV	NT	30000	5.649718	20	PASS
		5310	LV	NT	-30000	-5.649718	20	PASS
		5310	HV	NT	30000	5.649718	20	PASS
		5510	NV	NT	-30000	-5.444646	20	PASS
		5510	LV	NT	0	0	20	PASS
		5510	HV	NT	0	0	20	PASS
		5550	NV	NT	-30000	-5.405405	20	PASS
		5550	LV	NT	-30000	-5.405405	20	PASS
		5550	HV	NT	-30000	-5.405405	20	PASS
		5670	NV	NT	30000	5.291005	20	PASS
		5670	LV	NT	30000	5.291005	20	PASS
		5670	HV	NT	-30000	-5.291005	20	PASS
		5755	NV	NT	0	0	20	PASS
		5755	LV	NT	0	0	20	PASS
		5755	HV	NT	-30000	-5.212858	20	PASS
5795	NV	NT	0	0	20	PASS		
5795	LV	NT	0	0	20	PASS		
5795	HV	NT	0	0	20	PASS		

Temperature								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	-30	0	0	20	PASS
		5180	NV	-20	15000	2.895753	20	PASS
		5180	NV	-10	0	0	20	PASS
		5180	NV	-5	0	0	20	PASS
		5180	NV	0	0	0	20	PASS
		5180	NV	10	30000	5.791506	20	PASS
		5180	NV	20	0	0	20	PASS
		5180	NV	30	15000	2.895753	20	PASS
		5180	NV	40	15000	2.895753	20	PASS
		5180	NV	50	-15000	-2.895753	20	PASS
		5200	NV	-30	0	0	20	PASS

		5200	NV	-20	15000	2.884615	20	PASS
		5200	NV	-10	0	0	20	PASS
		5200	NV	-5	15000	2.884615	20	PASS
		5200	NV	0	0	0	20	PASS
		5200	NV	10	45000	8.653846	20	PASS
		5200	NV	20	15000	2.884615	20	PASS
		5200	NV	30	0	0	20	PASS
		5200	NV	40	-15000	-2.884615	20	PASS
		5200	NV	50	30000	5.769231	20	PASS
		5220	NV	-5	15000	2.873563	20	PASS
		5220	NV	50	0	0	20	PASS
		5240	NV	-5	0	0	20	PASS
		5240	NV	50	15000	2.862595	20	PASS
		5260	NV	-5	15000	2.851711	20	PASS
		5260	NV	50	0	0	20	PASS
		5280	NV	-5	-15000	-2.840909	20	PASS
		5280	NV	50	0	0	20	PASS
		5320	NV	-5	15000	2.819549	20	PASS
		5320	NV	50	0	0	20	PASS
		5500	NV	-5	0	0	20	PASS
		5500	NV	50	-15000	-2.727273	20	PASS
		5580	NV	-5	0	0	20	PASS
		5580	NV	50	0	0	20	PASS
		5700	NV	-5	0	0	20	PASS
		5700	NV	50	-15000	-2.631579	20	PASS
		5745	NV	-5	15000	2.610966	20	PASS
		5745	NV	50	0	0	20	PASS
		5785	NV	-5	-15000	-2.592913	20	PASS
		5785	NV	50	15000	2.592913	20	PASS
		5825	NV	-5	15000	2.575107	20	PASS
		5825	NV	50	30000	5.150215	20	PASS
11N20SI SO	Ant1	5180	NV	-5	-15000	-2.895753	20	PASS
		5180	NV	50	0	0	20	PASS
		5200	NV	-5	-15000	-2.884615	20	PASS
		5200	NV	50	0	0	20	PASS
		5220	NV	-5	0	0	20	PASS
		5220	NV	50	0	0	20	PASS
		5240	NV	-5	0	0	20	PASS
		5240	NV	50	-15000	-2.862595	20	PASS
		5260	NV	-5	0	0	20	PASS
		5260	NV	50	15000	2.851711	20	PASS
		5280	NV	-5	-15000	-2.840909	20	PASS
		5280	NV	50	30000	5.681818	20	PASS

		5320	NV	-5	0	0	20	PASS
		5320	NV	50	0	0	20	PASS
		5500	NV	-5	0	0	20	PASS
		5500	NV	50	30000	5.454545	20	PASS
		5580	NV	-5	-15000	-2.688172	20	PASS
		5580	NV	50	15000	2.688172	20	PASS
		5700	NV	-5	15000	2.631579	20	PASS
		5700	NV	50	0	0	20	PASS
		5745	NV	-5	-15000	-2.610966	20	PASS
		5745	NV	50	-15000	-2.610966	20	PASS
		5785	NV	-5	-15000	-2.592913	20	PASS
		5785	NV	50	30000	5.185825	20	PASS
		5825	NV	-5	15000	2.575107	20	PASS
		5825	NV	50	0	0	20	PASS
11N40SI SO	Ant1	5190	NV	-5	-30000	-5.780347	20	PASS
		5190	NV	50	-30000	-5.780347	20	PASS
		5230	NV	-5	30000	5.736138	20	PASS
		5230	NV	50	0	0	20	PASS
		5270	NV	-5	0	0	20	PASS
		5270	NV	50	30000	5.6926	20	PASS
		5310	NV	-5	0	0	20	PASS
		5310	NV	50	-30000	-5.649718	20	PASS
		5510	NV	-5	-30000	-5.444646	20	PASS
		5510	NV	50	30000	5.444646	20	PASS
		5550	NV	-5	-60000	-10.810811	20	PASS
		5550	NV	50	-30000	-5.405405	20	PASS
		5670	NV	-5	-30000	-5.291005	20	PASS
		5670	NV	50	-30000	-5.291005	20	PASS
		5755	NV	-5	-60000	-10.425717	20	PASS
		5755	NV	50	-30000	-5.212858	20	PASS
5795	NV	-5	0	0	20	PASS		
5795	NV	50	30000	5.176877	20	PASS		

## Appendix G: Dynamic Frequency Selection

### Channel Move Time and Channel Closing Transmission Time

#### Test Result

TestMode	Channel	CCT[s]	Limit[s]	CMT[ms]	Limit[ms]	Verdict
11N40SISO	5270	10.4	60	451.1	10000	PASS
	5510	15.6	60	512.2	10000	PASS

#### Non-Occupancy Period

#### Test Graphs

