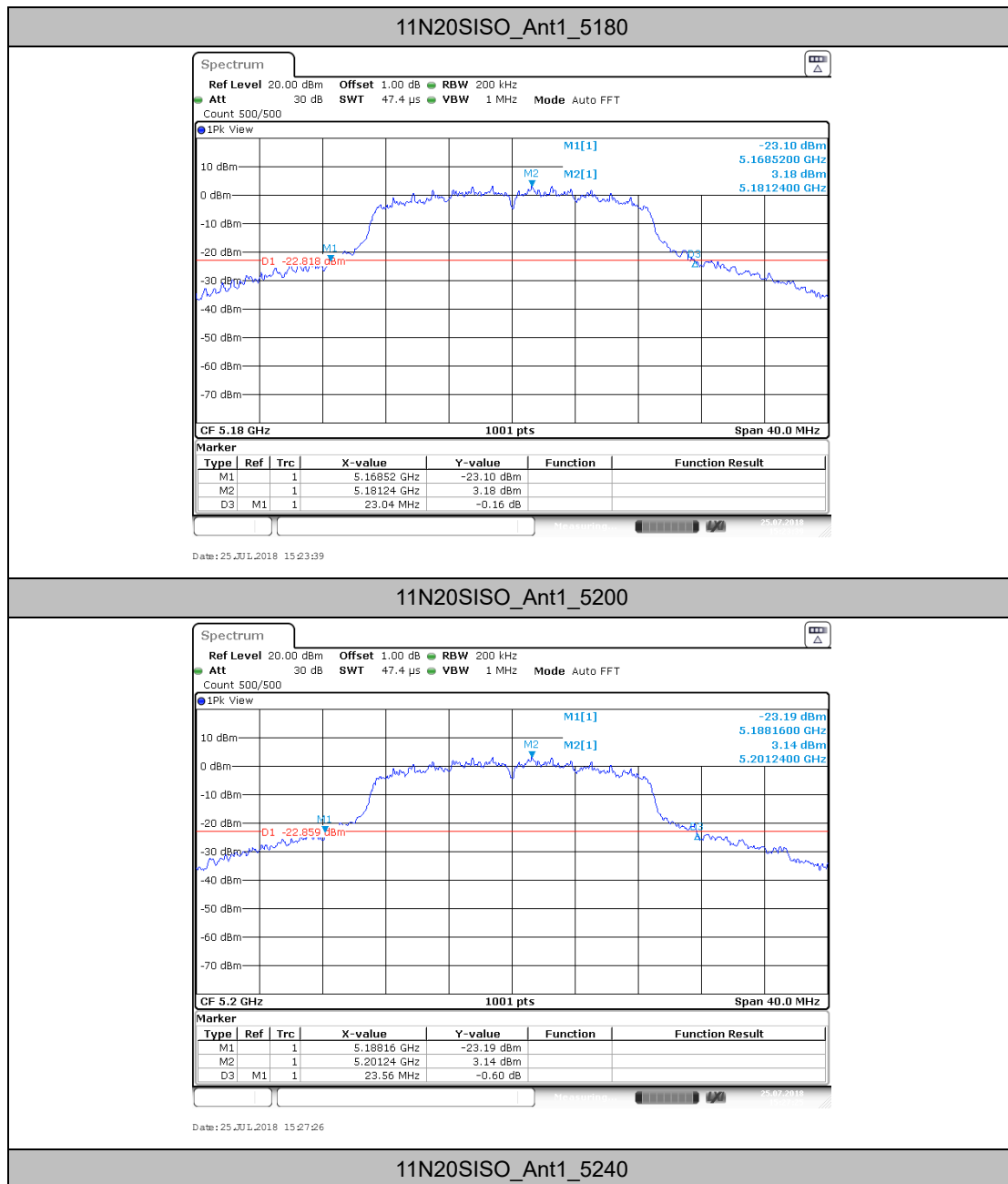


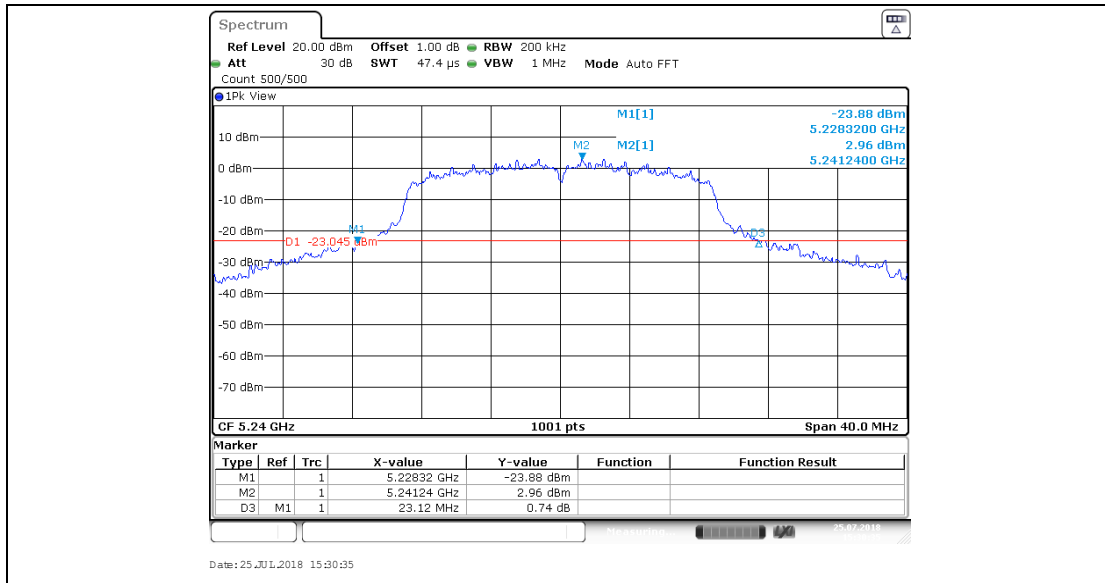
Appendix2 A1: Emission Bandwidth

Test Result

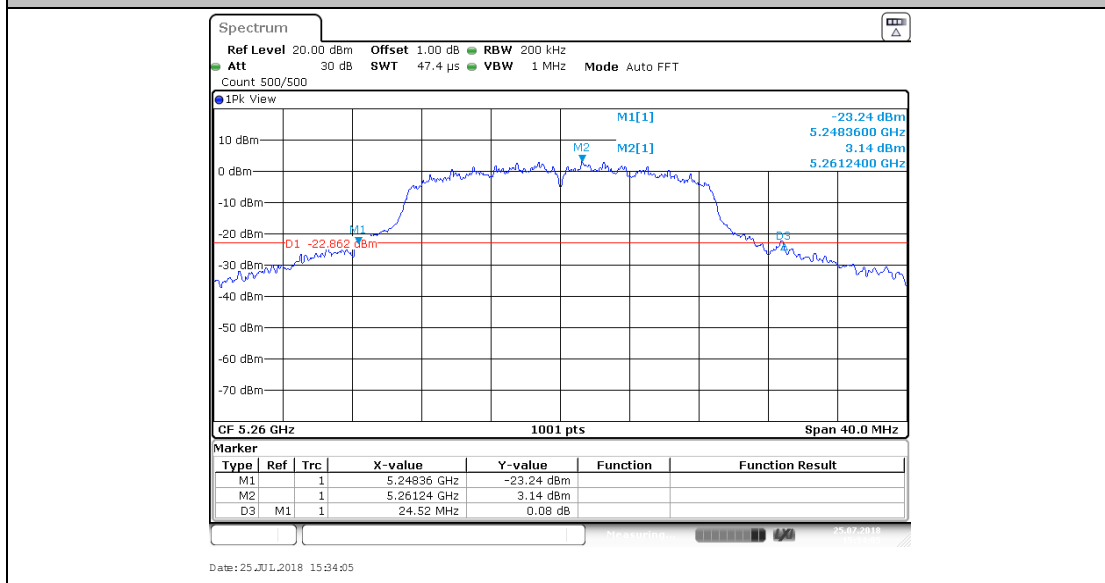
TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11N20SISO	Ant1	5180	23.040	5168.520	5191.560	---	PASS
		5200	23.560	5188.160	5211.720	---	PASS
		5240	23.120	5228.320	5251.440	---	PASS
		5260	24.520	5248.360	5272.880	---	PASS
		5280	23.560	5268.200	5291.760	---	PASS
		5320	22.480	5308.760	5331.240	---	PASS
		5500	25.480	5487.120	5512.600	---	PASS
		5580	22.800	5568.240	5591.040	---	PASS
		5700	22.640	5688.480	5711.120	---	PASS
		5745	24.080	5733.360	5757.440	---	PASS
		5785	24.400	5773.480	5797.880	---	PASS
		5825	25.400	5812.560	5837.960	---	PASS

Test Graphs

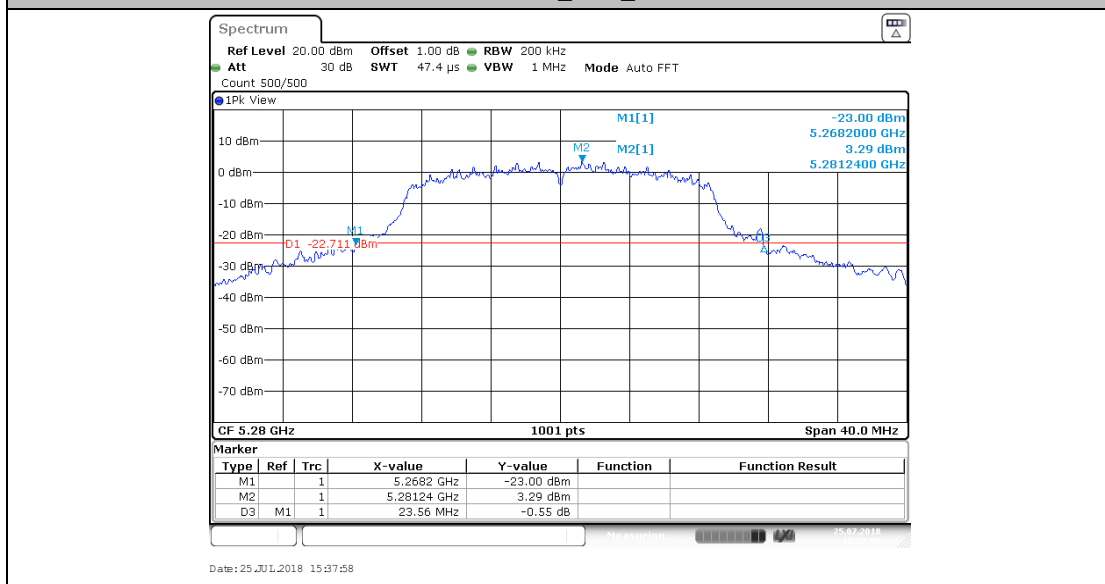




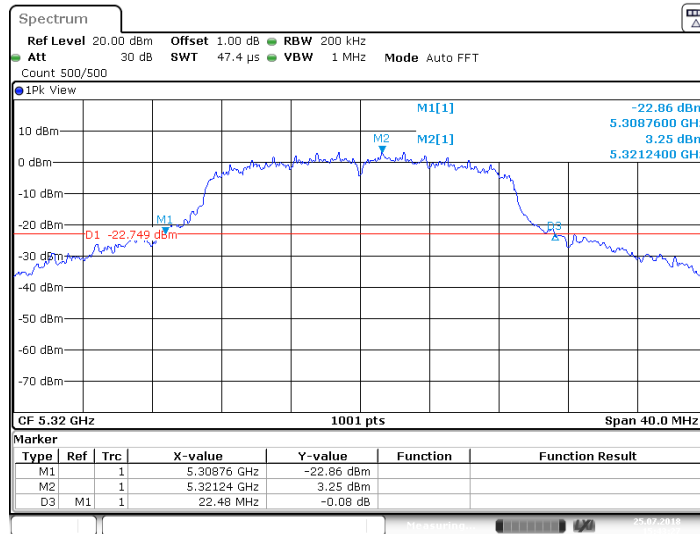
11N20SISO_Ant1_5260



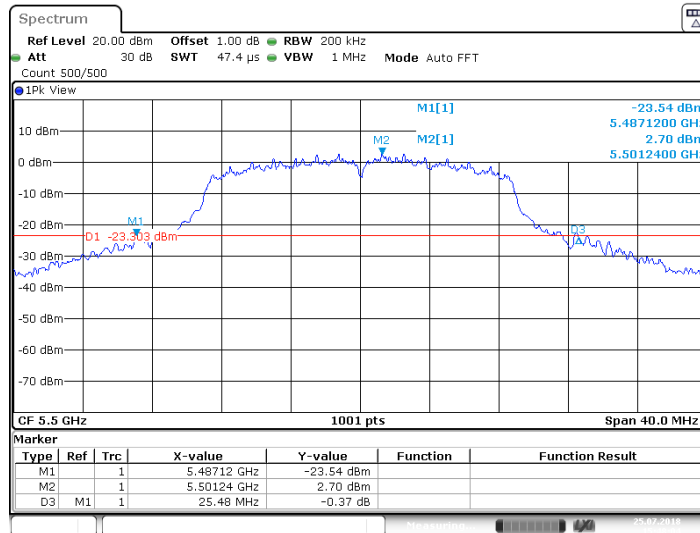
11N20SISO_Ant1_5280



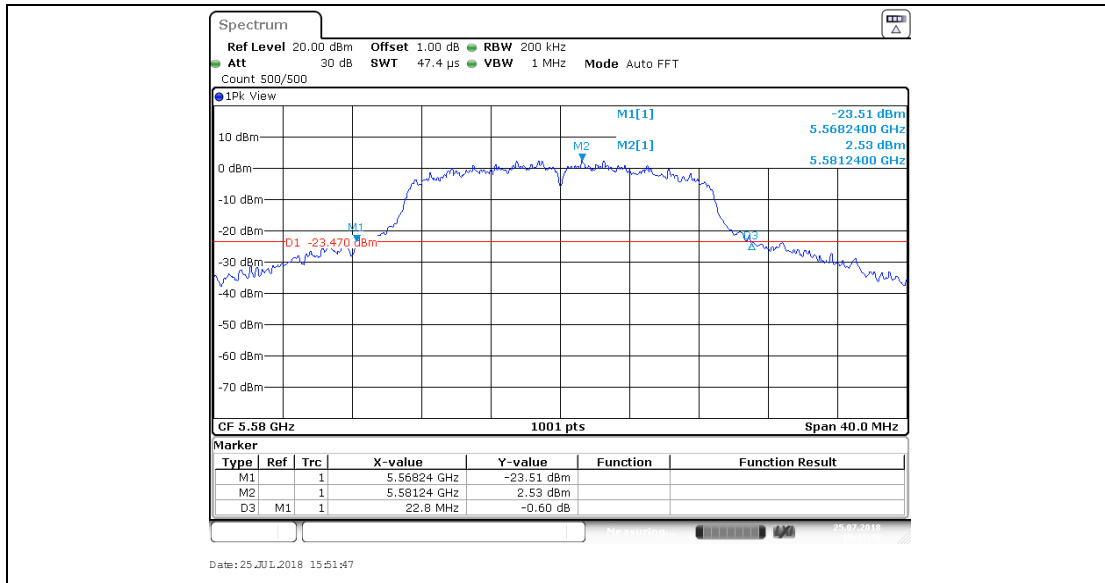
11N20SISO_Ant1_5320



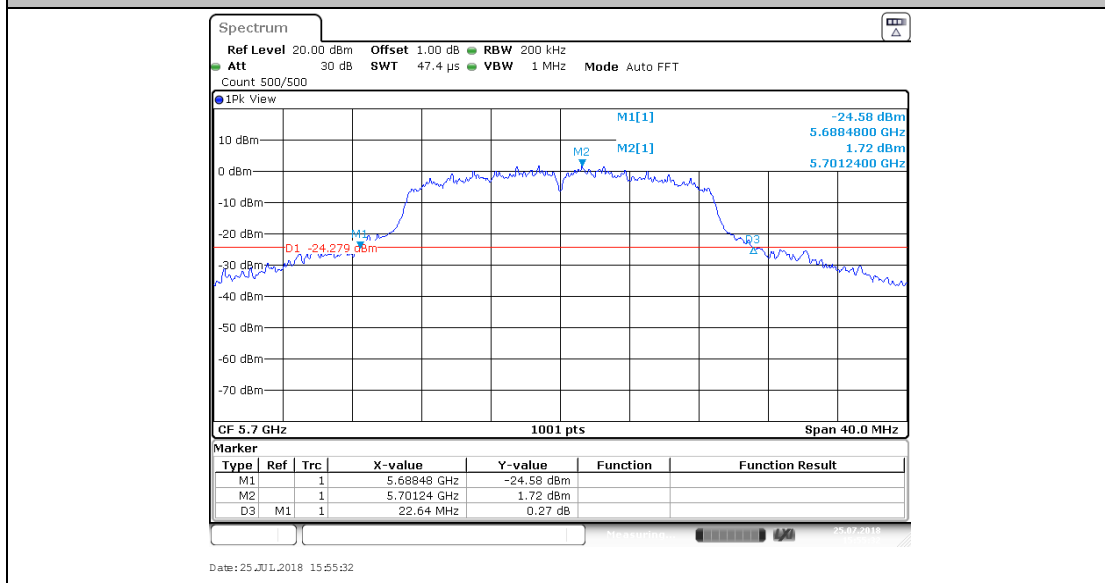
11N20SISO_Ant1_5500



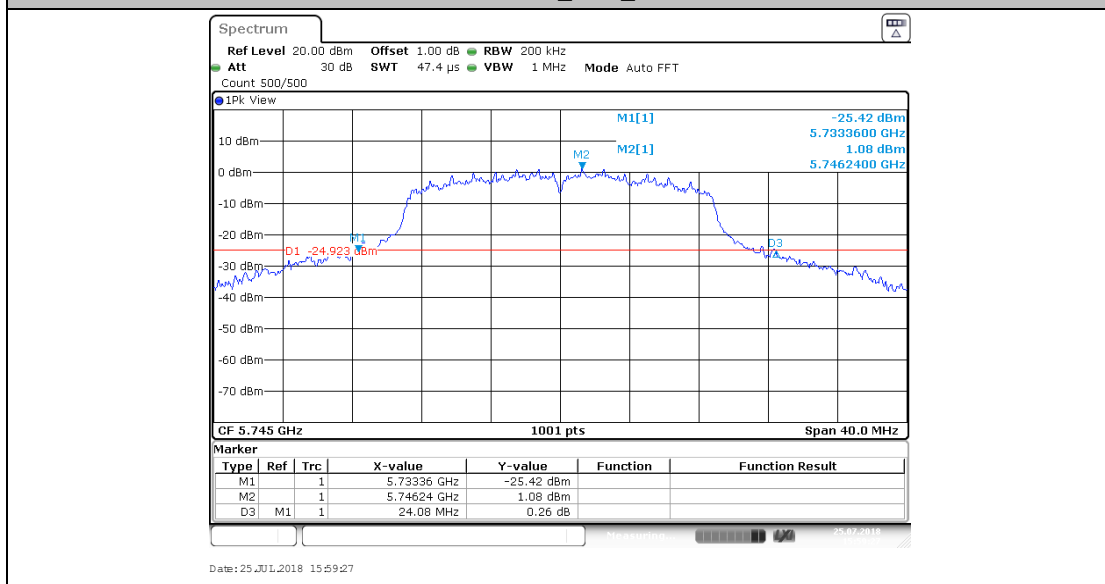
11N20SISO_Ant1_5580



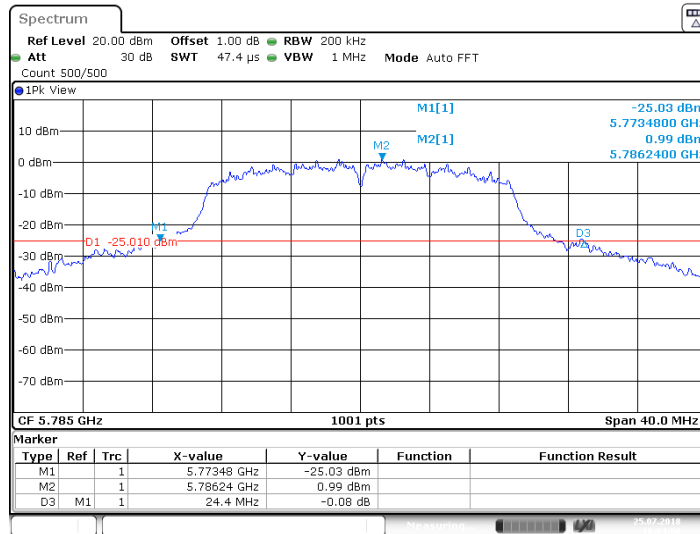
11N20SISO_Ant1_5700



11N20SISO_Ant1_5745

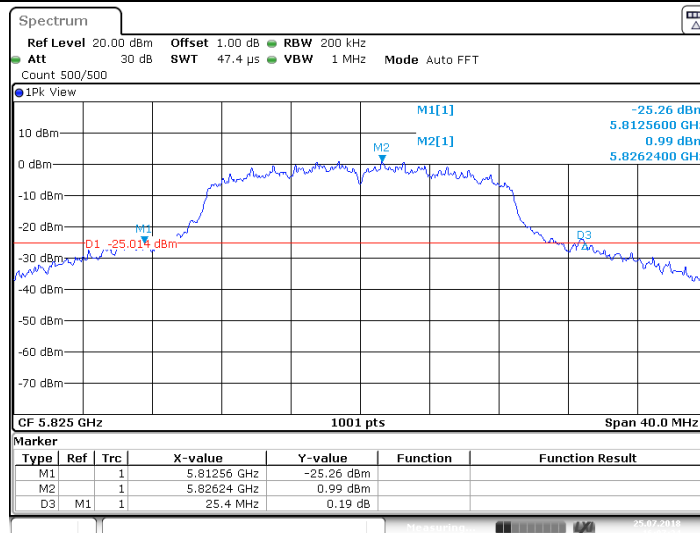


11N20SISO_Ant1_5785



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11N20SISO_Ant1_5825



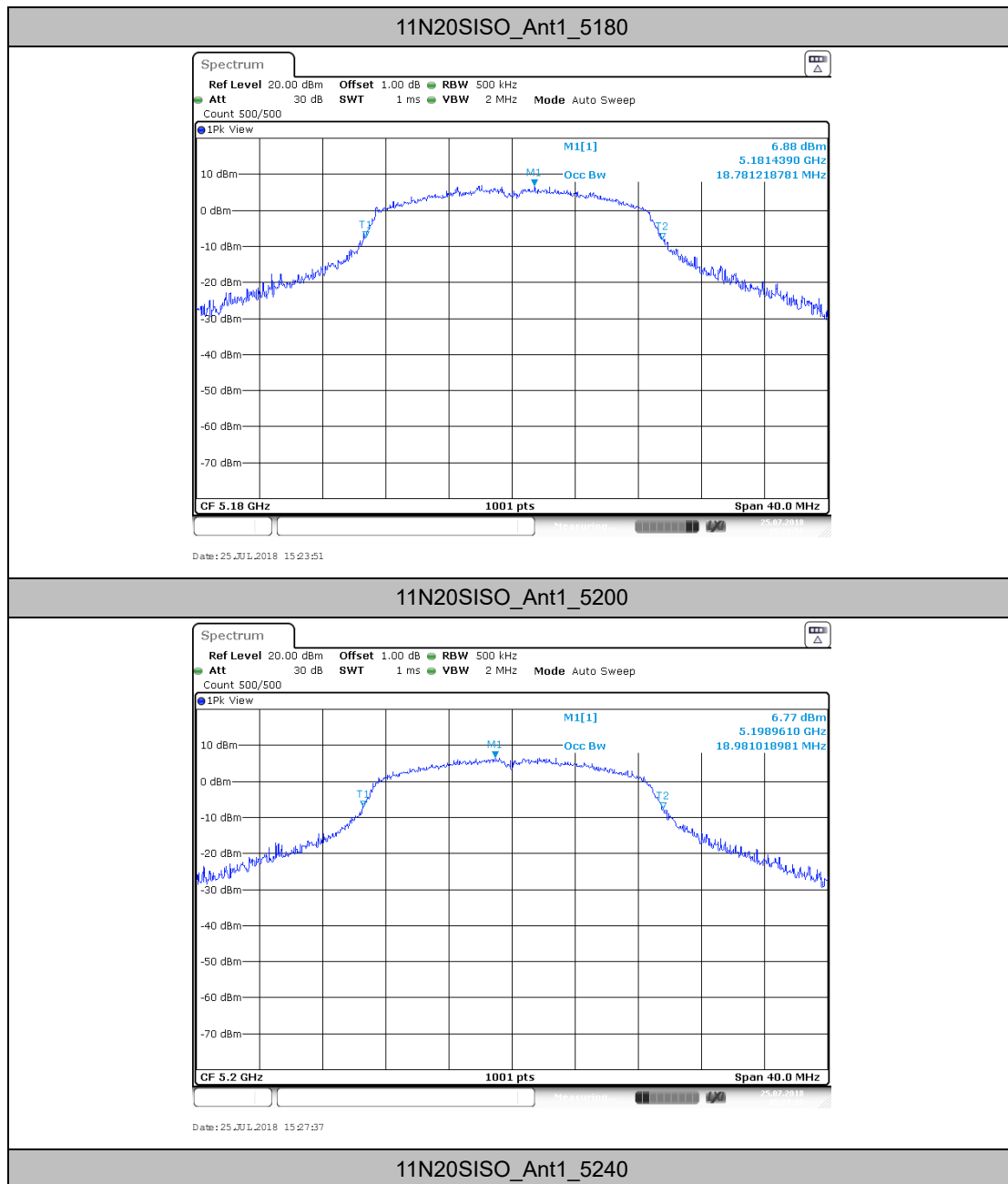
Date: 25 JUL 2018 16:07:35

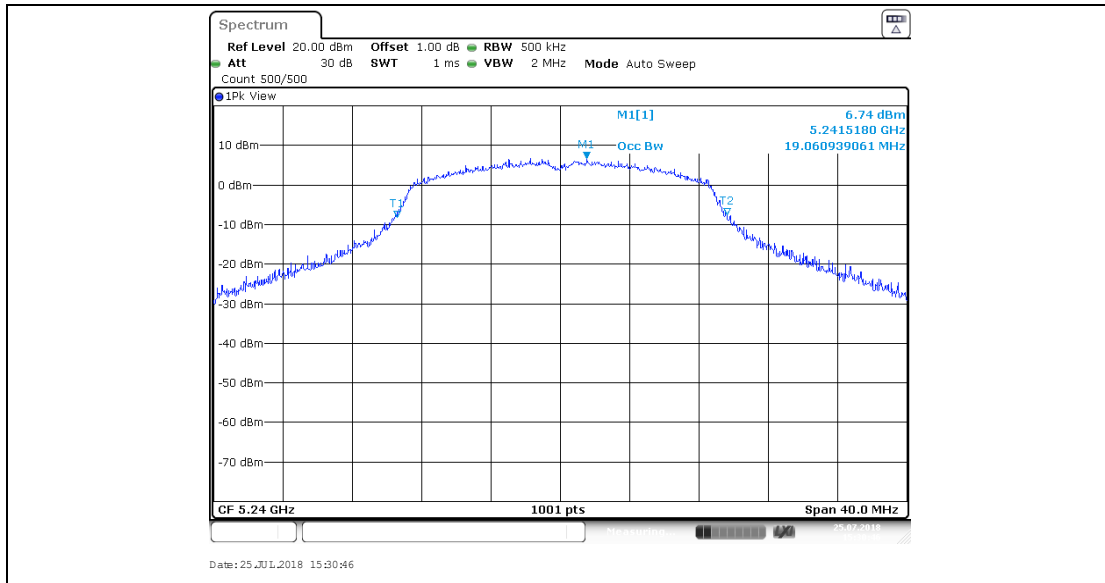
Appendix2 A2: Occupied channel bandwidth

Test Result

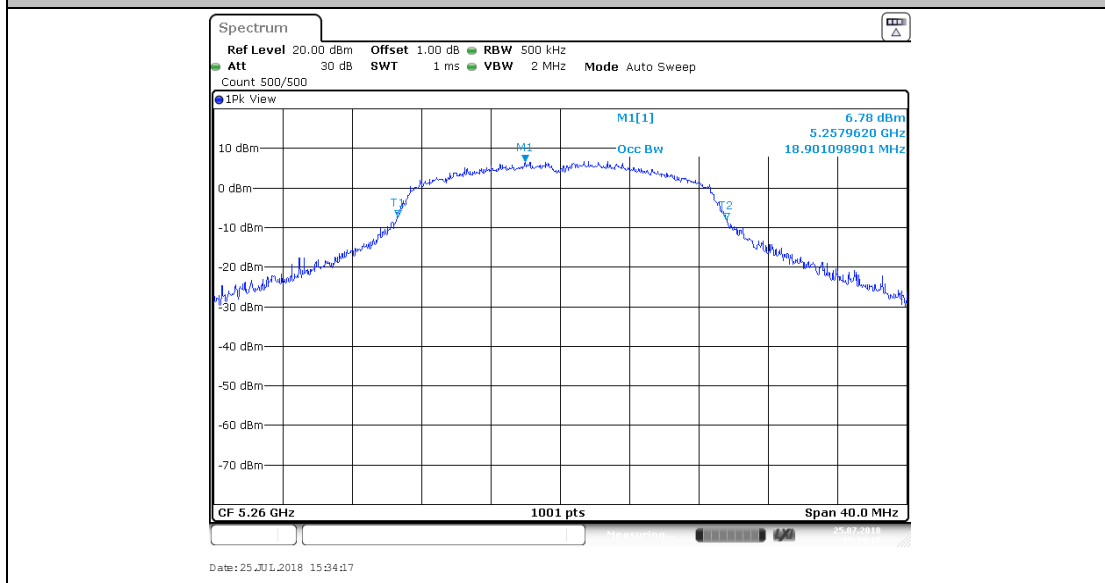
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11N20SISO	Ant1	5180	18.781	5170.729	5189.510	---	PASS
		5200	18.981	5190.569	5209.550	---	PASS
		5240	19.061	5230.569	5249.630	---	PASS
		5260	18.901	5250.649	5269.550	---	PASS
		5280	18.901	5270.609	5289.510	---	PASS
		5320	18.941	5310.609	5329.550	---	PASS
		5500	18.821	5490.649	5509.471	---	PASS
		5580	18.861	5570.569	5589.431	---	PASS
		5700	19.061	5690.490	5709.550	---	PASS
		5745	19.061	5735.450	5754.510	---	PASS
		5785	18.941	5775.569	5794.510	---	PASS
5825	19.141	5815.370	5834.510	---	PASS		

Test Graphs

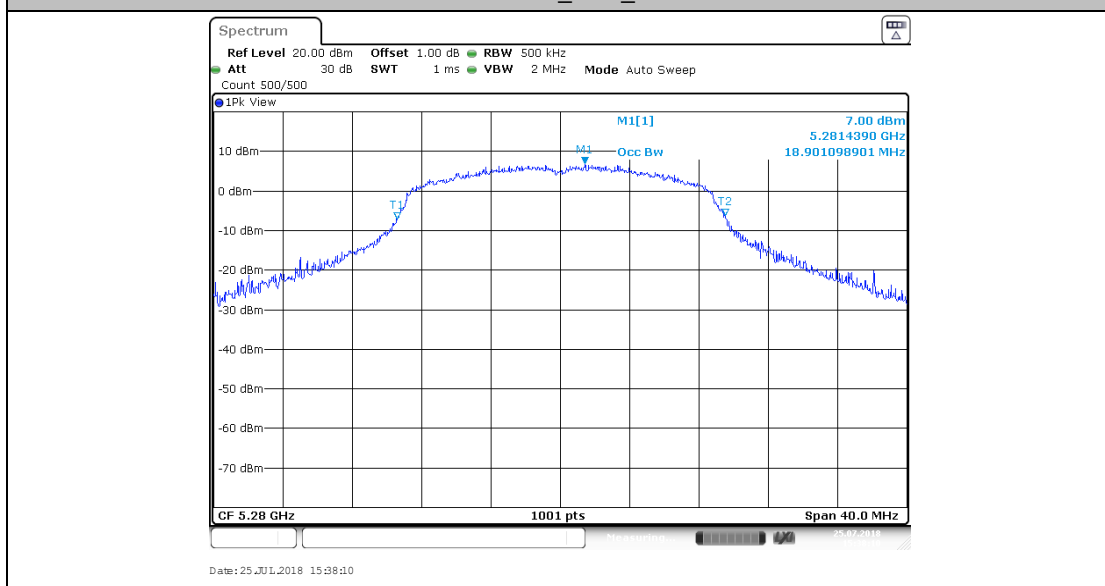




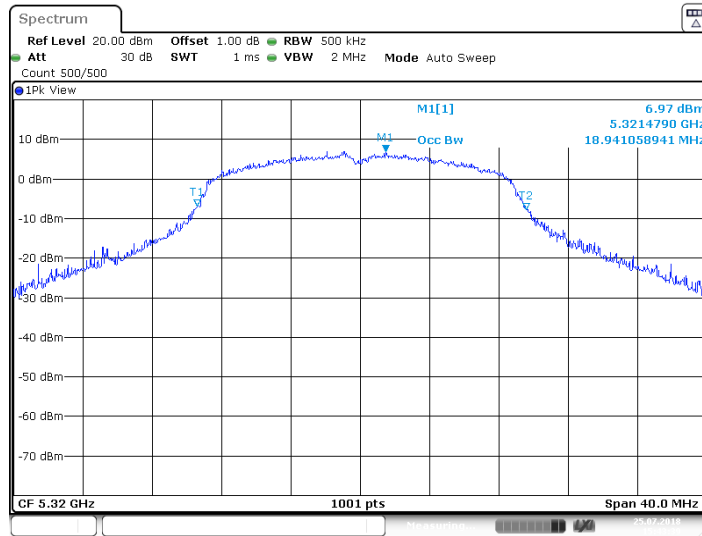
11N20SISO_Ant1_5260



11N20SISO_Ant1_5280

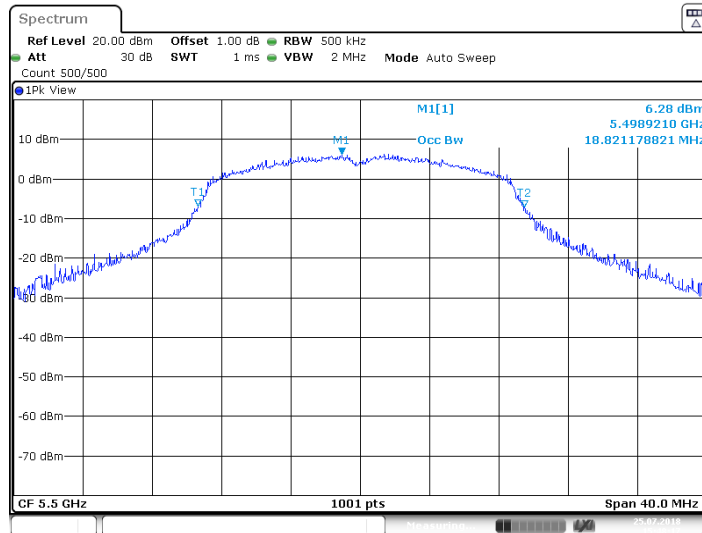


11N20SISO_Ant1_5320



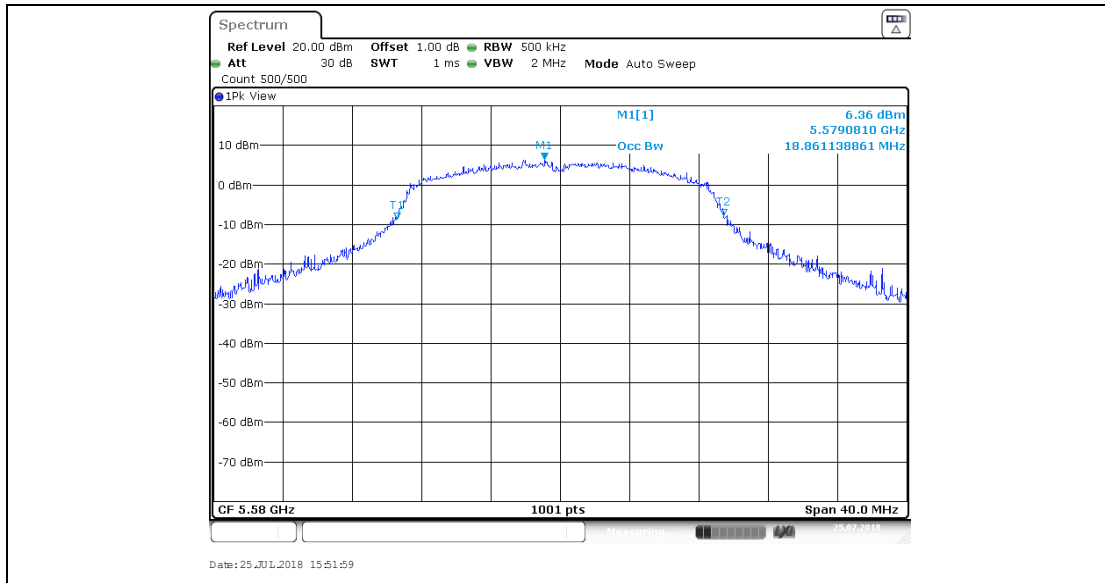
Date: 25 JUL 2018 15:43:39

11N20SISO_Ant1_5500

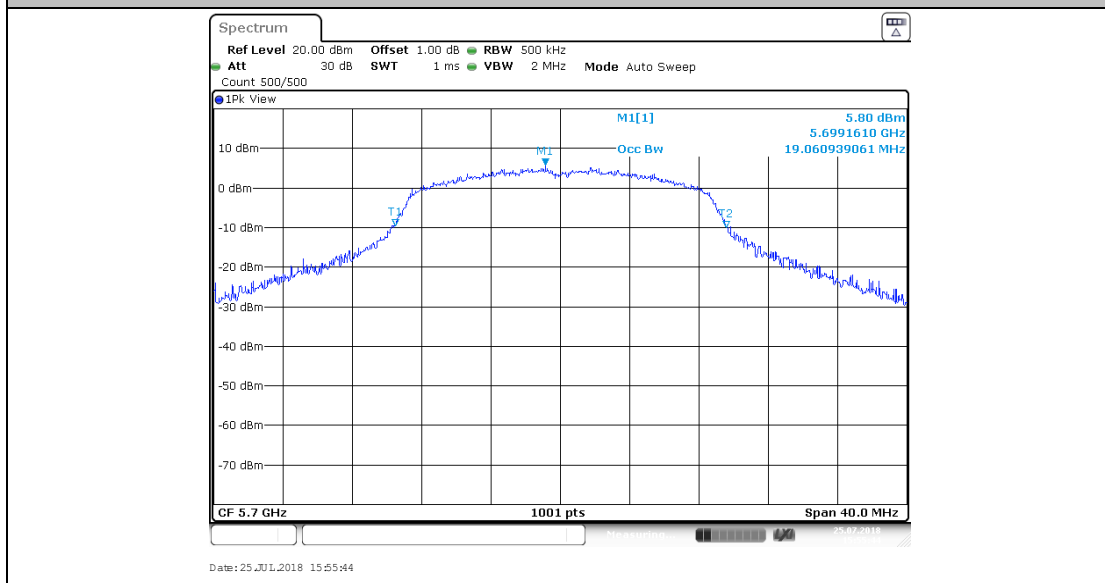


Date: 25 JUL 2018 15:48:17

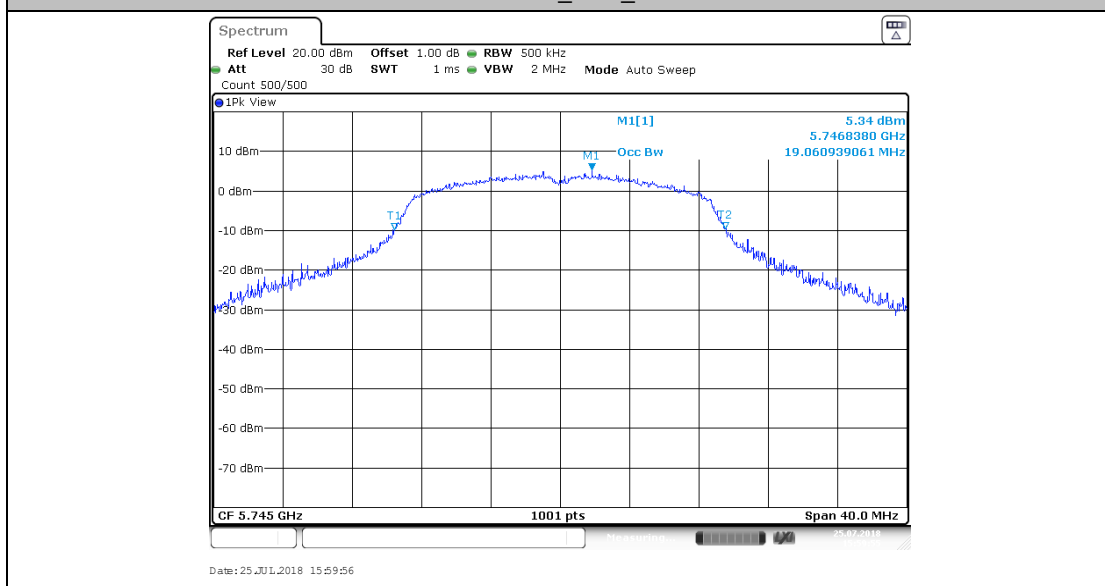
11N20SISO_Ant1_5580



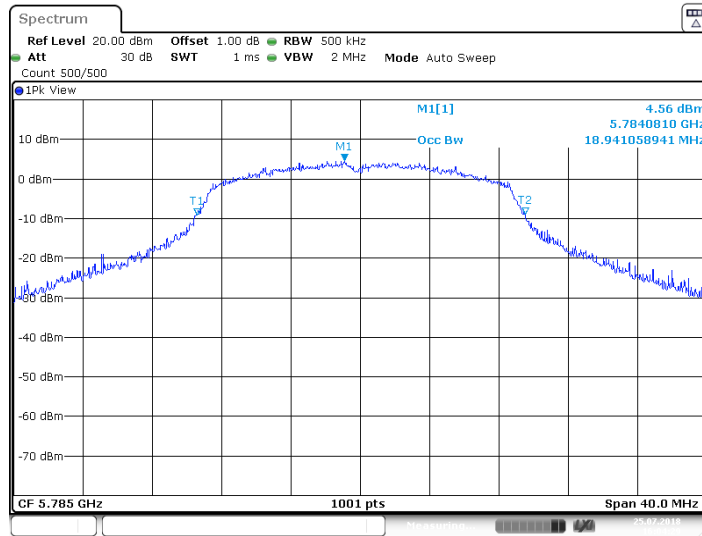
11N20SISO_Ant1_5700



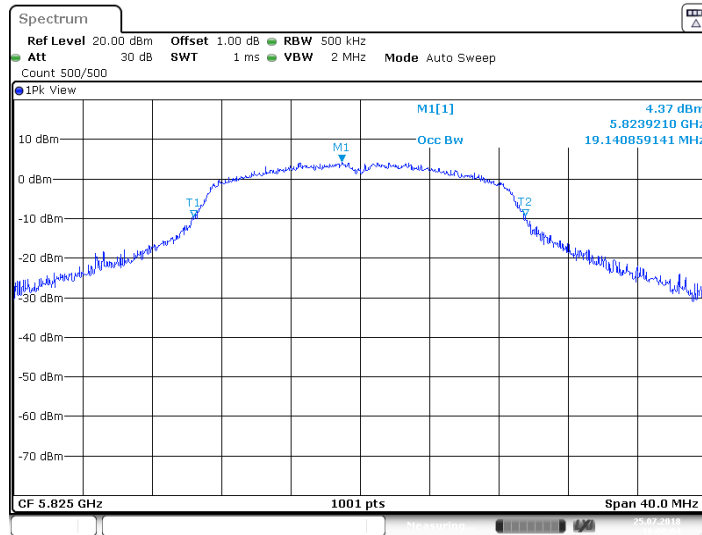
11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825

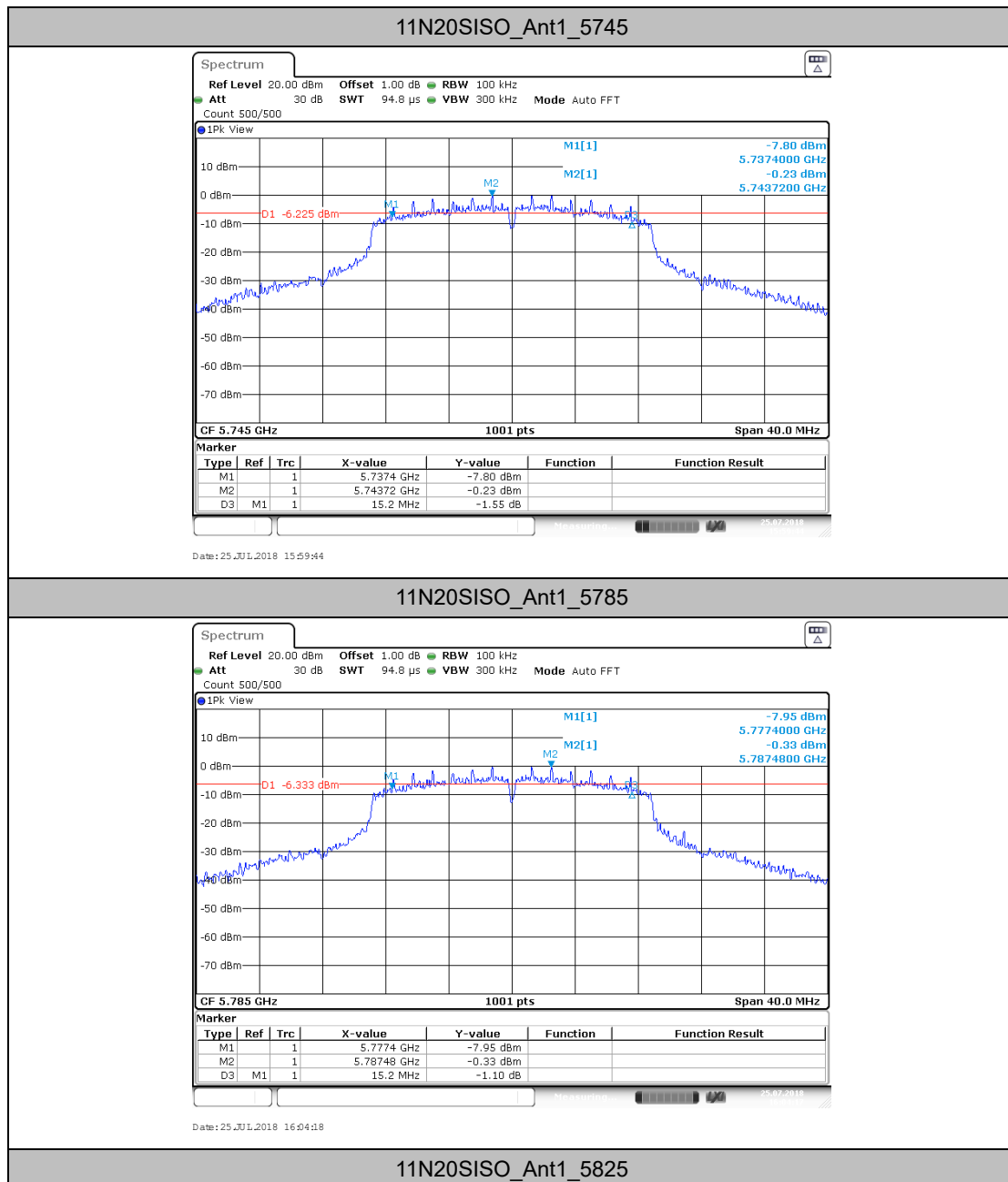


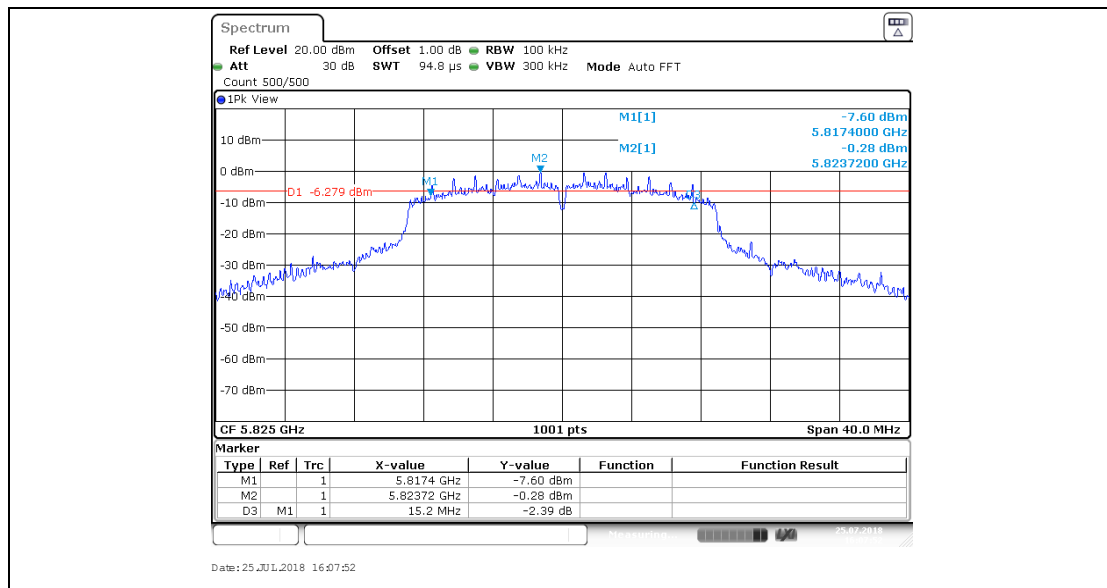
Appendix2 A3: Min emission bandwidth

Test Result

TestMode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11N20SISO	Ant1	5745	15.200	5737.400	5752.600	0.5	PASS
		5785	15.200	5777.400	5792.600	0.5	PASS
		5825	15.200	5817.400	5832.600	0.5	PASS

Test Graphs





Appendix2 B: Maximum conducted output power

Test Result

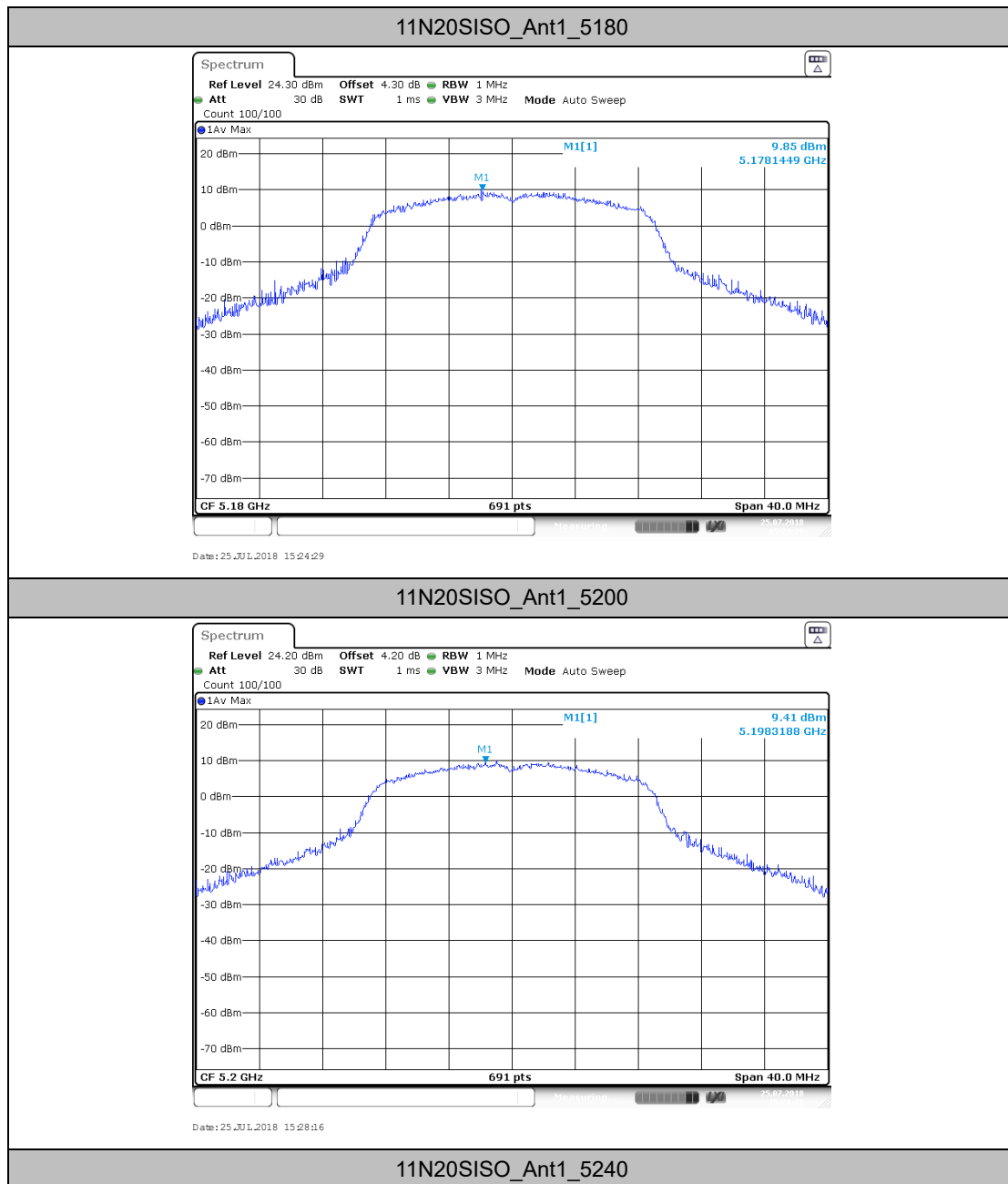
TestMode	Antenna	Channel	Result	Limit	Verdict
11N20SISO	Ant1	5180	19.39	23.98	PASS
		5200	19.57	23.98	PASS
		5240	19.45	23.98	PASS
		5260	19.65	23.98	PASS
		5280	19.84	23.98	PASS
		5320	19.73	23.98	PASS
		5500	19.27	23.98	PASS
		5580	19.12	23.98	PASS
		5700	18.27	23.98	PASS
		5720	18.01	23.98	PASS
		5745	17.66	30	PASS
		5785	17.47	30	PASS
		5825	17.44	30	PASS

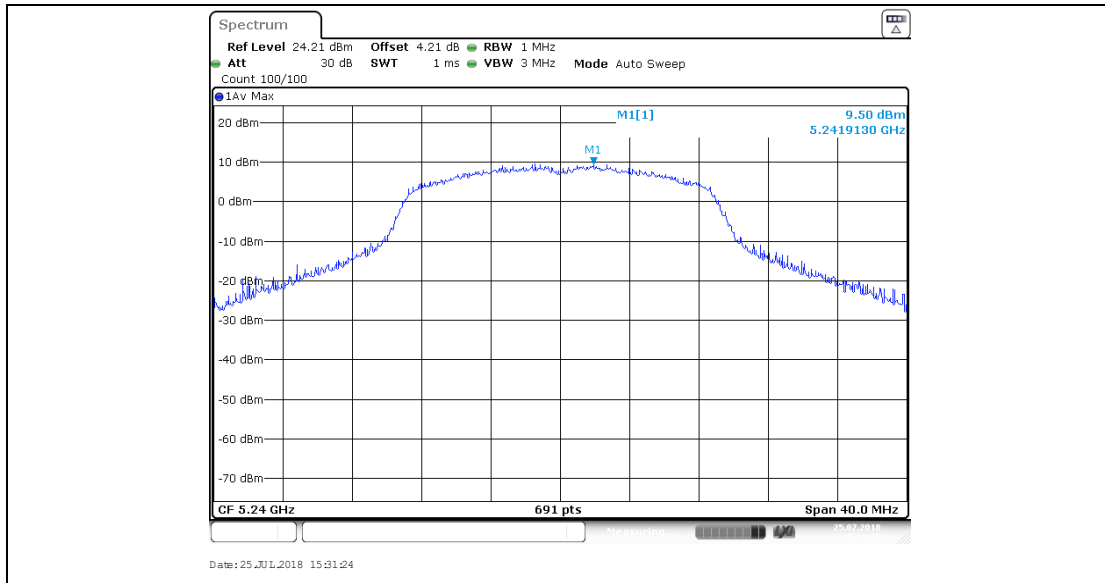
Appendix2 C: Maximum power spectral density

Test Result

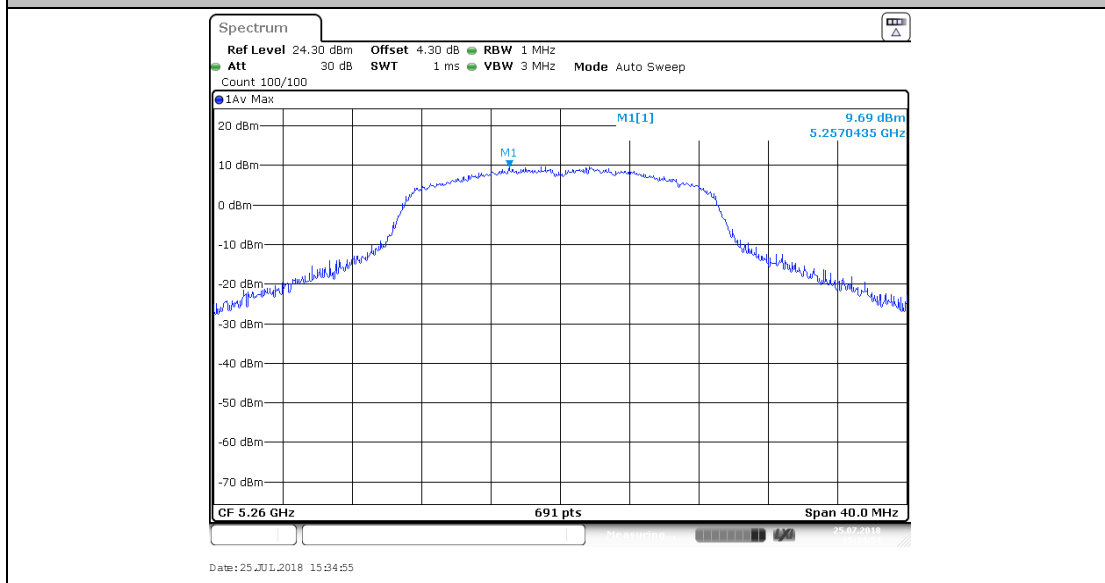
TestMode	Antenna	Channel	Result	Limit	Verdict
11N20SISO	Ant1	5180	9.85	11	PASS
		5200	9.41	11	PASS
		5240	9.5	11	PASS
		5260	9.69	11	PASS
		5280	9.87	11	PASS
		5320	10.1	11	PASS
		5500	9.39	11	PASS
		5580	9.26	11	PASS
		5700	7.95	11	PASS
		5720	7.03	11	PASS
		5745	6.06	30	PASS
		5785	6.13	30	PASS
		5825	7.41	30	PASS

Test Graphs

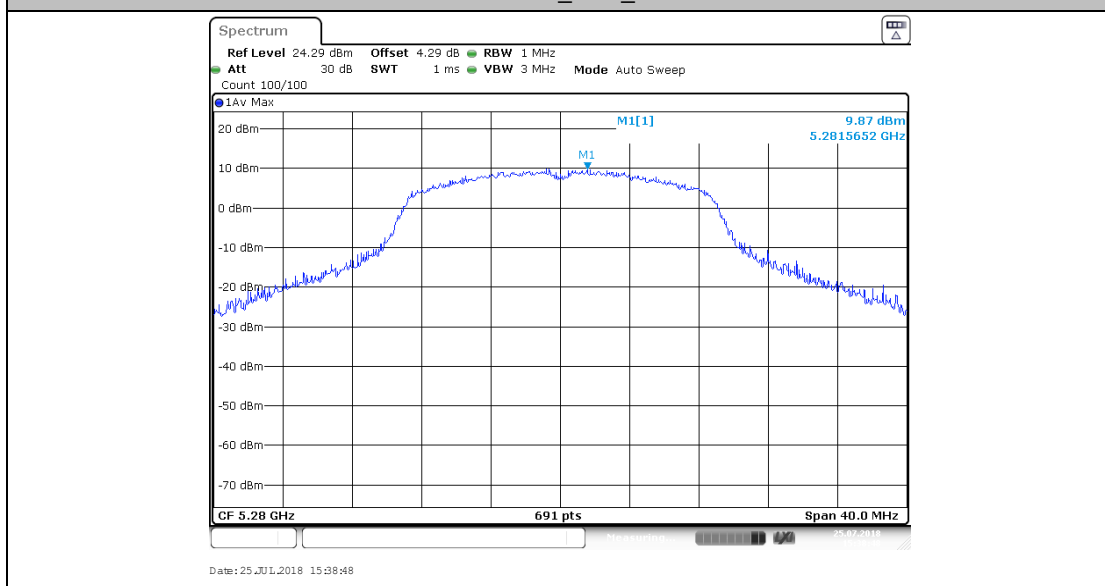




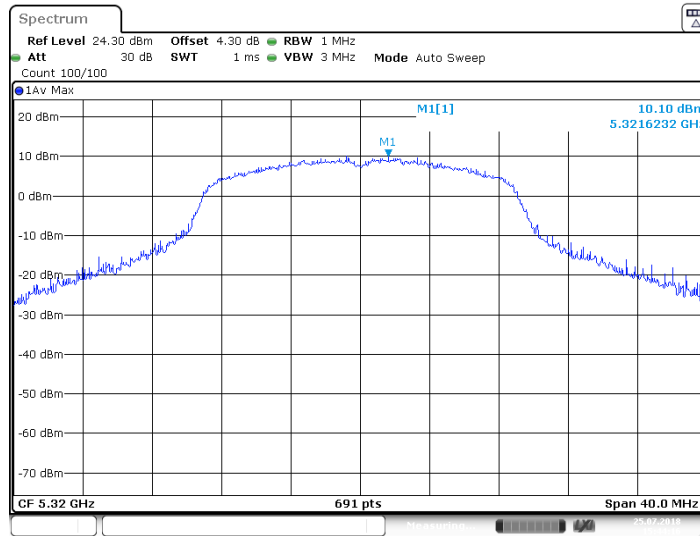
11N20SISO_Ant1_5260



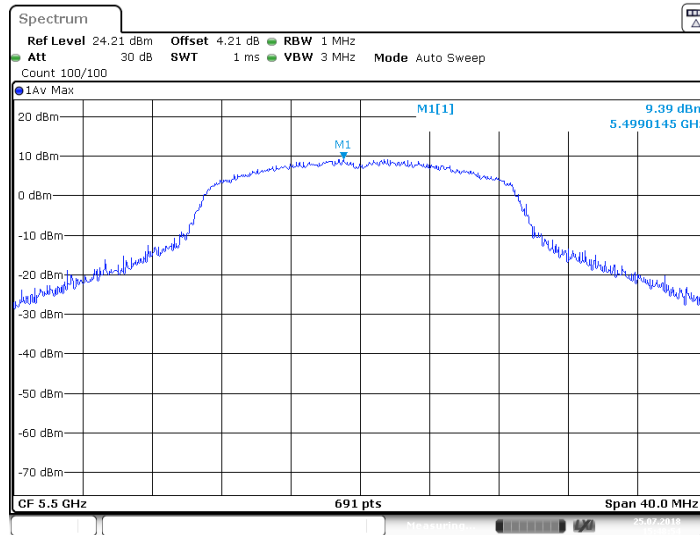
11N20SISO_Ant1_5280



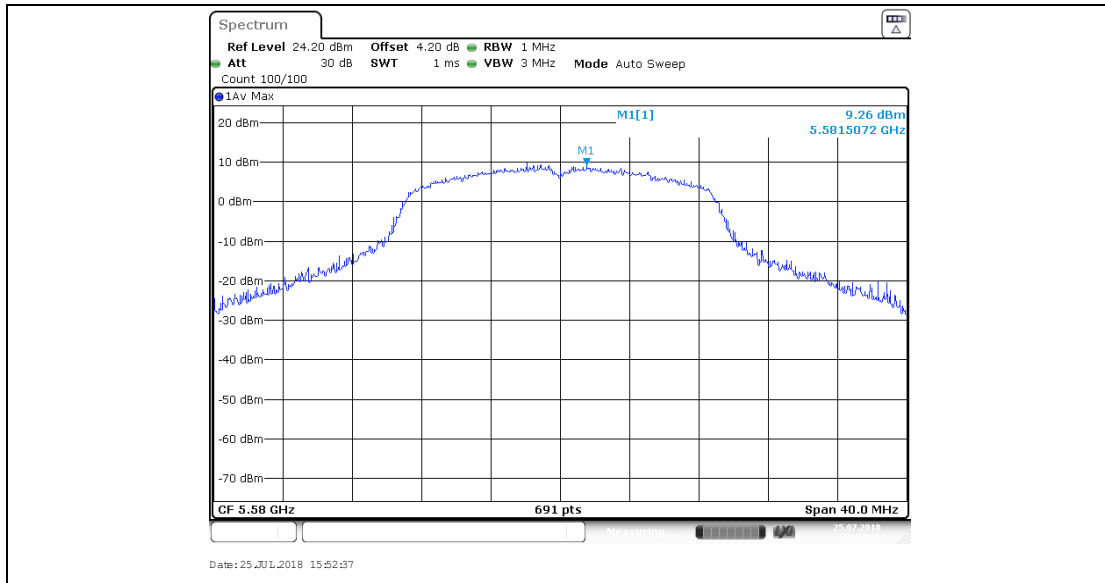
11N20SISO_Ant1_5320



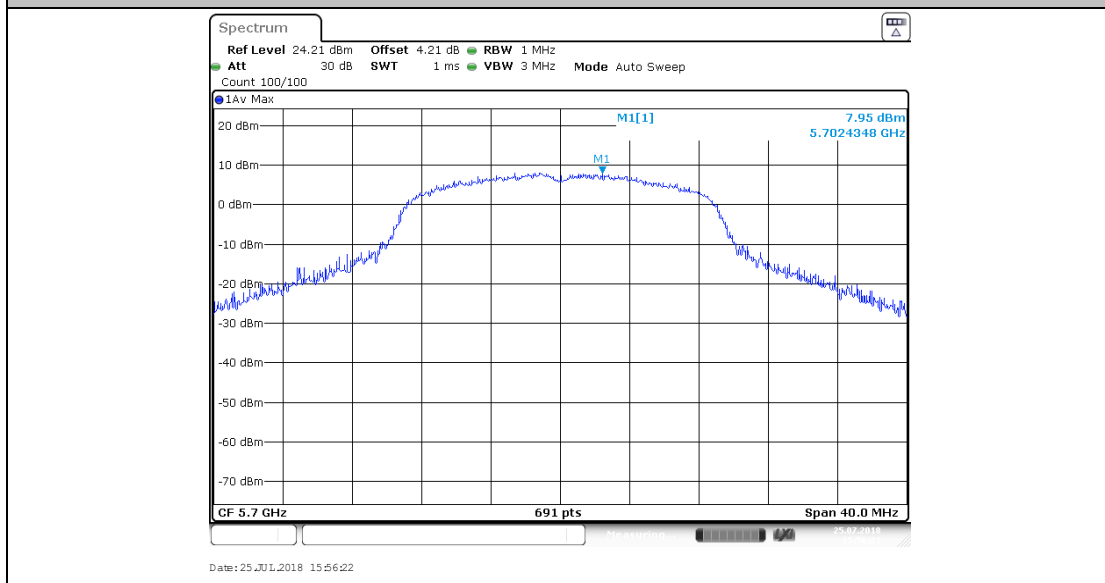
11N20SISO_Ant1_5500



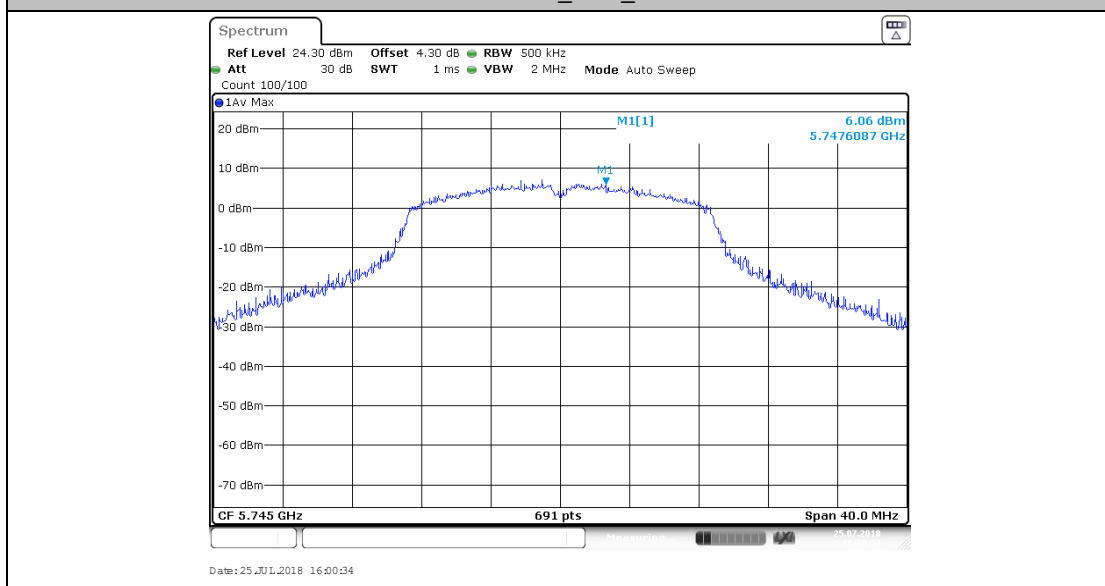
11N20SISO_Ant1_5580



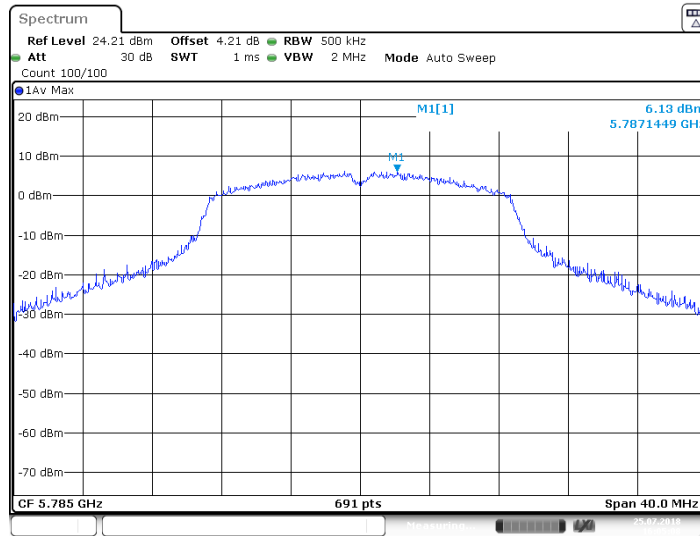
11N20SISO_Ant1_5700



11N20SISO_Ant1_5745

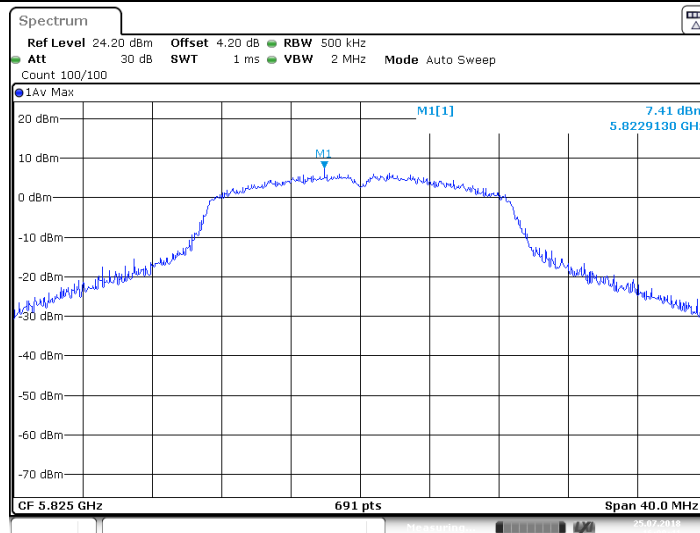


11N20SISO_Ant1_5785



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11N20SISO_Ant1_5825



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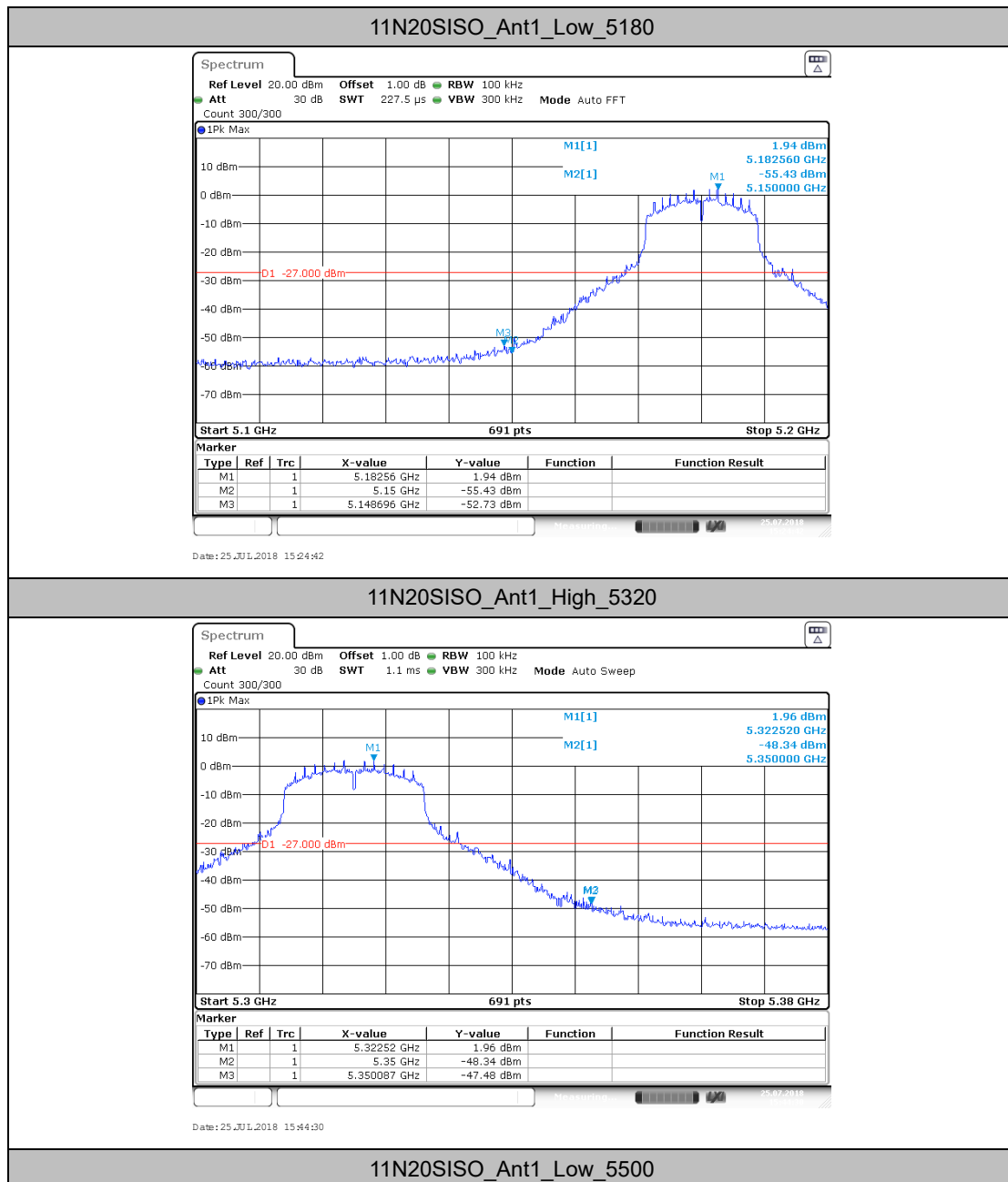
Appendix2 D: Band edge measurements

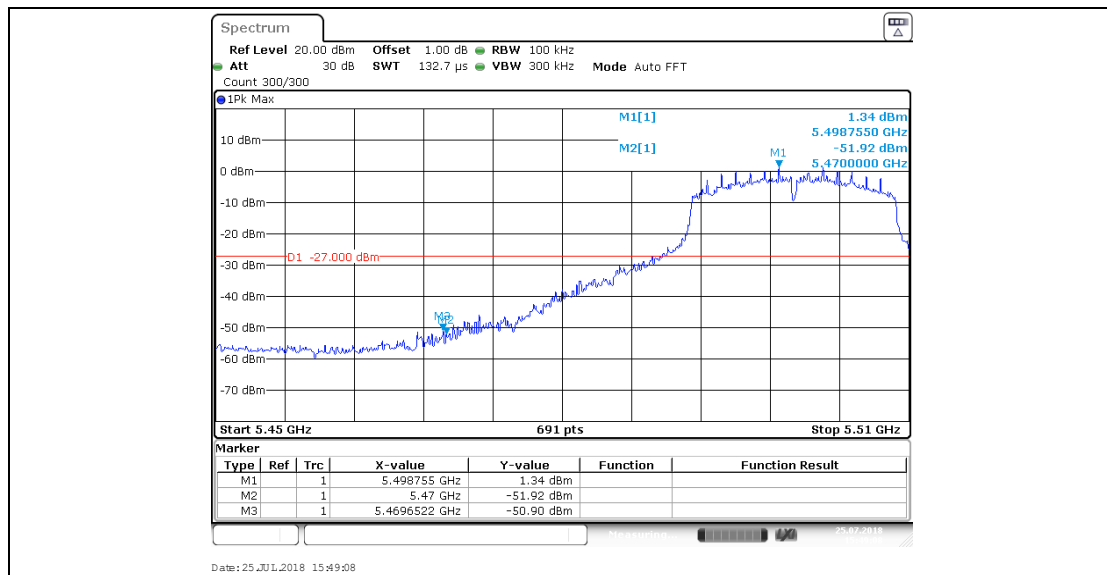
Test Result

TestMode	Antenna	ChName	Channel	Result	Limit	Verdict
11N20SISO	Ant1	Low	5180	-52.73	-27	PASS
		High	5320	-47.48	-27	PASS
		Low	5500	-50.9	-27	PASS
		High	5700	-44.92	-27	PASS
		High	5720	-46.09	-27	PASS

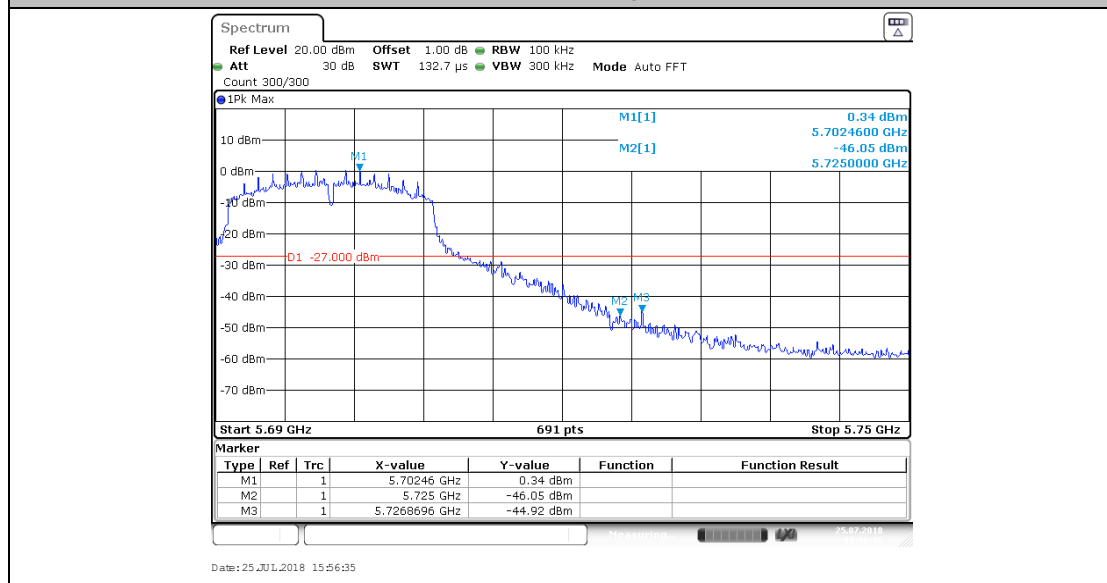
TestMode	Antenna	ChName	Channel	FreqRange	Result	Limit	Verdict
11N20SI SO	Ant1	Low	5745	5650~5700	-56.99	7.90	PASS
		Low	5745	5700~5720	-49.05	15.09	PASS
		Low	5745	5720~5725	-40.68	26.24	PASS
		Low	5745	5760~5650	-52.24	-27	PASS
		High	5825	5850~5855	-46.2	18.48	PASS
		High	5825	5855~5875	-51.48	10.05	PASS
		High	5825	5875~5925	-53.24	9.29	PASS
		High	5825	5925~5935	-52.73	-27	PASS

Test Graphs

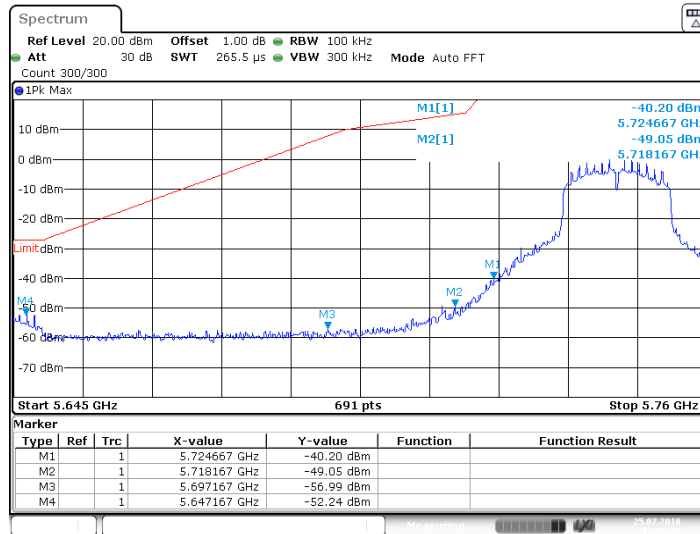




11N20SISO_Ant1_High_5700

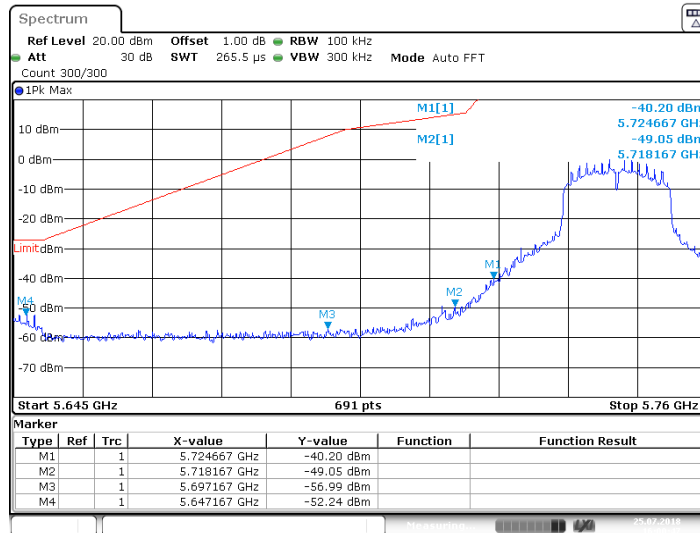


11N20SISO_Ant1_Low_5745



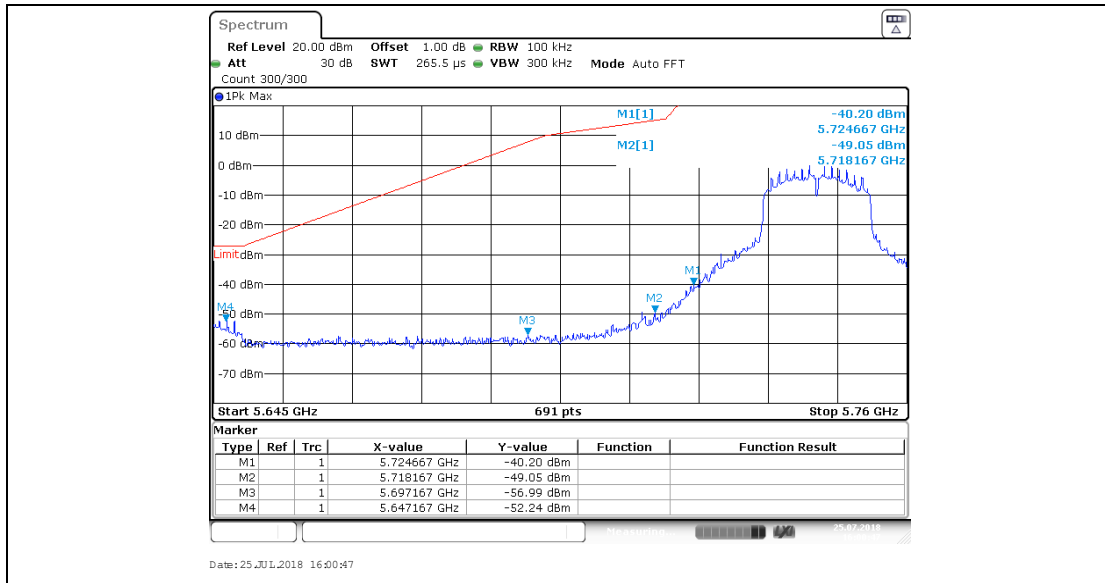
Date: 25 JUL 2018 16:00:47

11N20SISO_Ant1_Low_5745

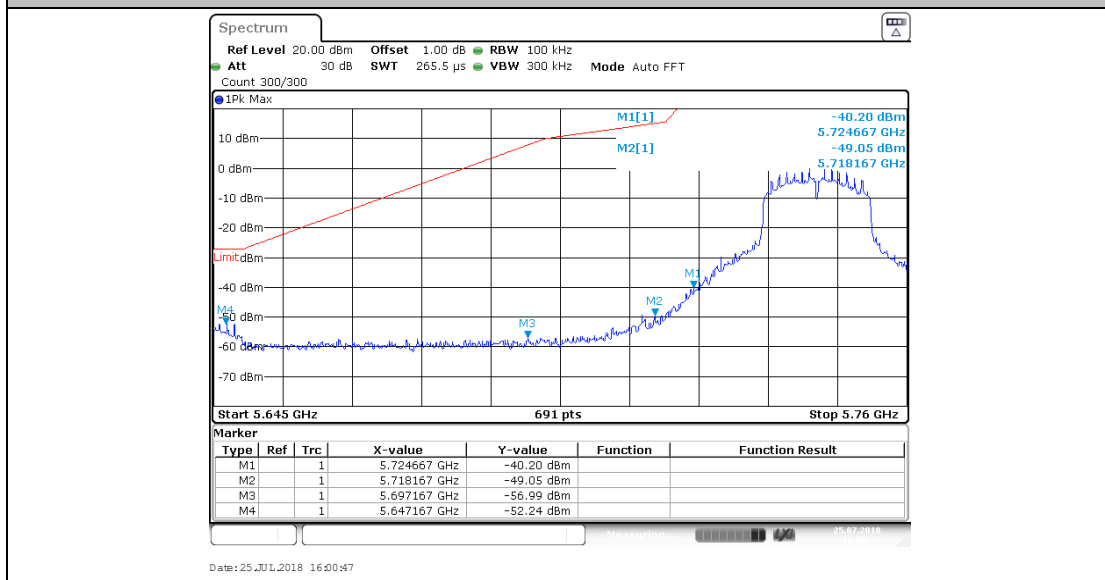


Date: 25 JUL 2018 16:00:47

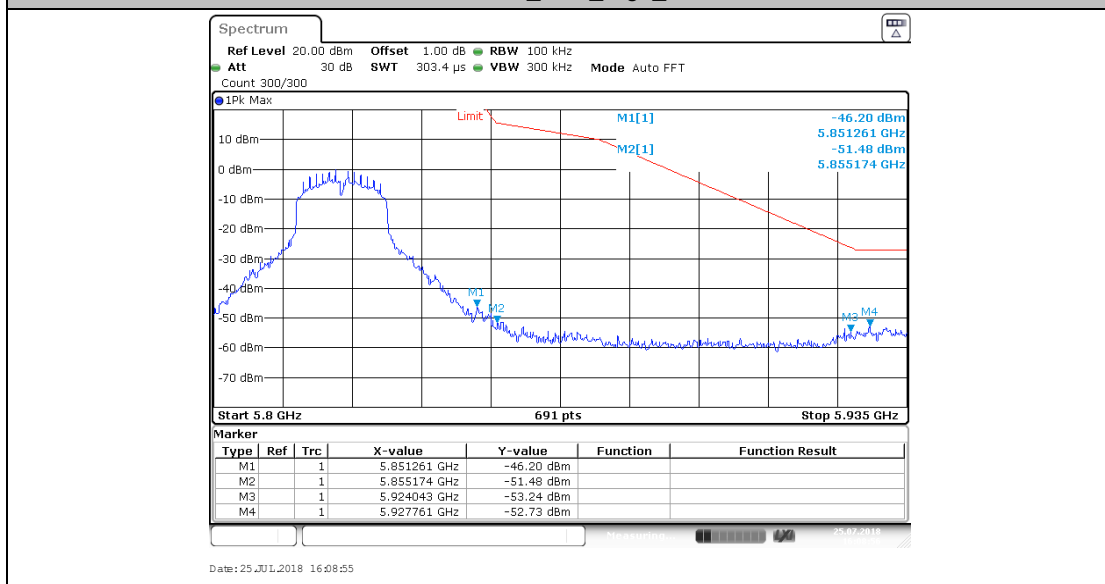
11N20SISO_Ant1_Low_5745



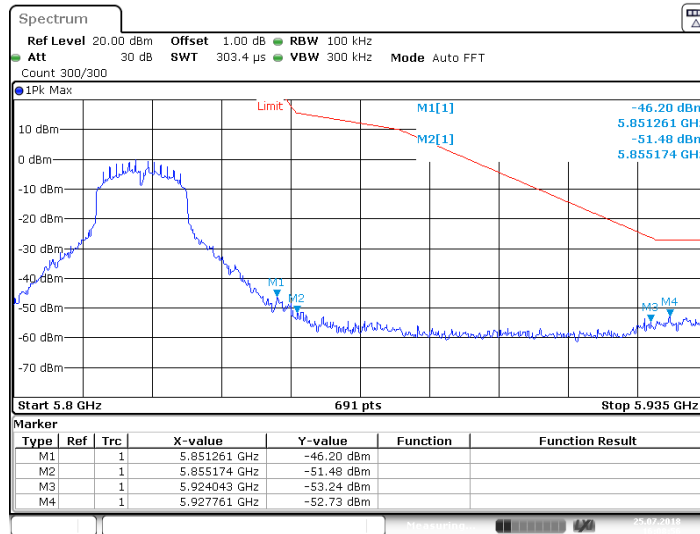
11N20SISO_Ant1_Low_5745



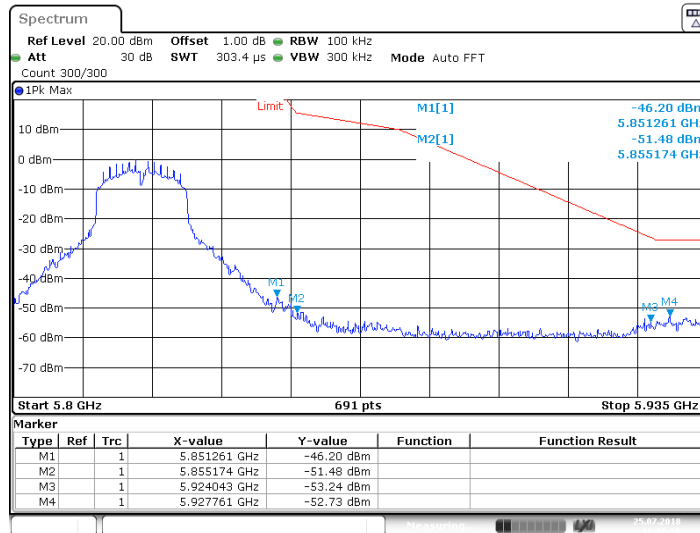
11N20SISO_Ant1_High_5825



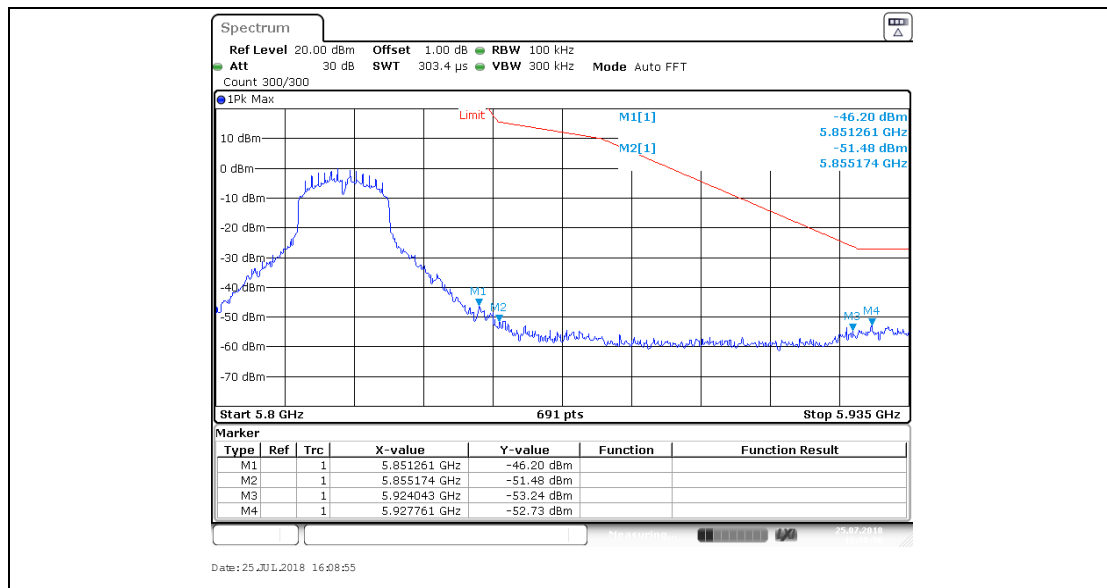
11N20SISO_Ant1_High_5825



11N20SISO_Ant1_High_5825



11N20SISO_Ant1_High_5825

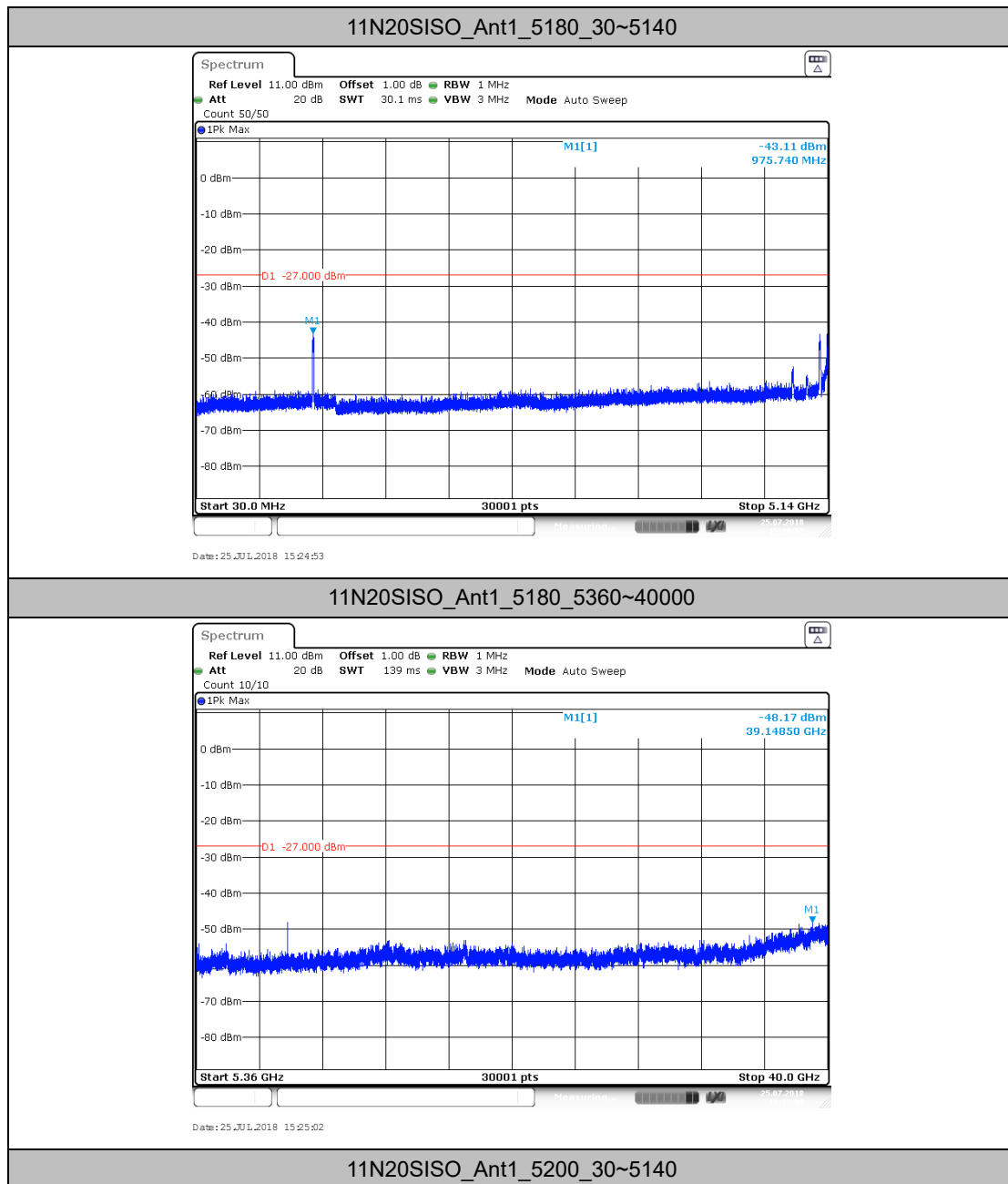


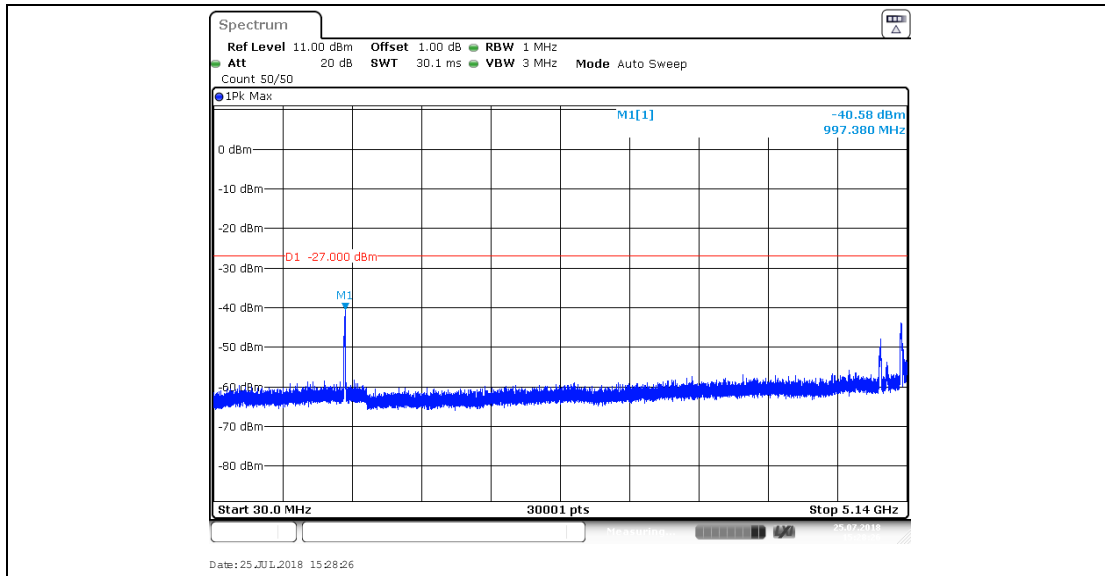
Appendix2 E: Conducted Spurious Emission

Test Result

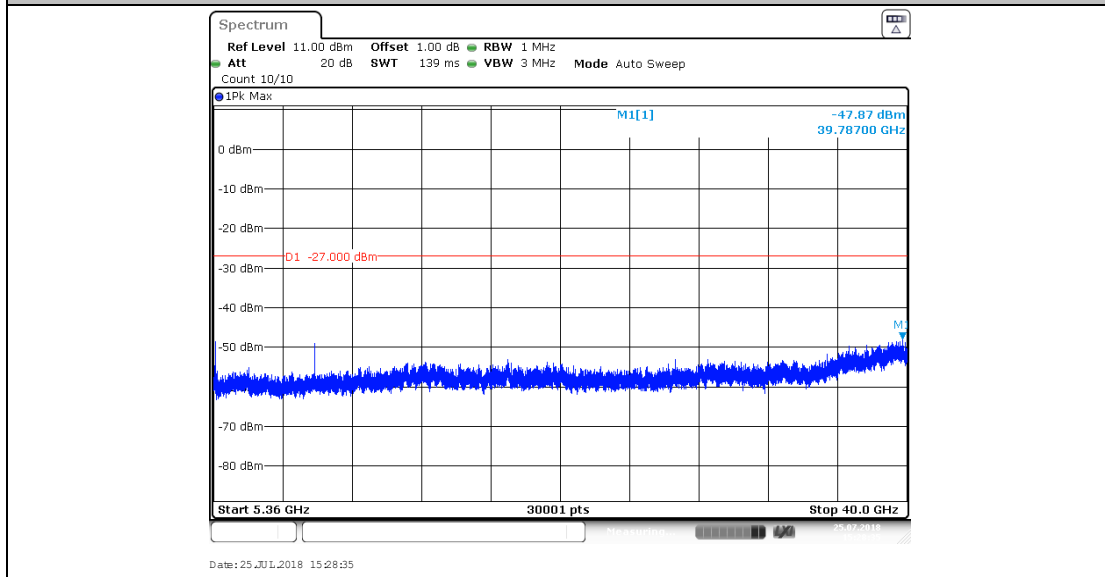
TestMode	Antenna	Channel	FreqRange	Max. Fre	Max. Level	Limit	Verdict
11N20SISO	Ant1	5180	30~5140	975.74	-43.11	-27	PASS
		5180	5360~40000	39148.50	-48.17	-27	PASS
		5200	30~5140	997.38	-40.58	-27	PASS
		5200	5360~40000	39787.00	-47.87	-27	PASS
		5240	30~5140	5134.29	-43.92	-27	PASS
		5240	5360~40000	39500.60	-47.77	-27	PASS
		5260	30~5140	1057.33	-43.65	-27	PASS
		5260	5360~40000	5369.80	-44.76	-27	PASS
		5280	30~5140	1075.05	-45.21	-27	PASS
		5280	5360~40000	5382.50	-44.35	-27	PASS
		5320	30~5140	1114.05	-45.18	-27	PASS
		5320	5360~40000	5422.90	-44.77	-27	PASS
		5500	30~5460	5393.30	-43.92	-27	PASS
		5500	5735~40000	39702.50	-48.15	-27	PASS
		5580	30~5460	5228.42	-53.48	-27	PASS
		5580	5735~40000	39598.50	-48.21	-27	PASS
		5700	30~5460	4749.69	-49.66	-27	PASS
		5700	5735~40000	5801.80	-45.46	-27	PASS
		5745	30~5650	5642.60	-43.53	-27	PASS
		5745	5925~40000	39982.40	-48.23	-27	PASS
5785	30~5650	4820.42	-50.34	-27	PASS		
5785	5925~40000	39745.00	-48.43	-27	PASS		
5825	30~5650	4854.14	-47.93	-27	PASS		
5825	5925~40000	5931.20	-46.78	-27	PASS		

Test Graphs

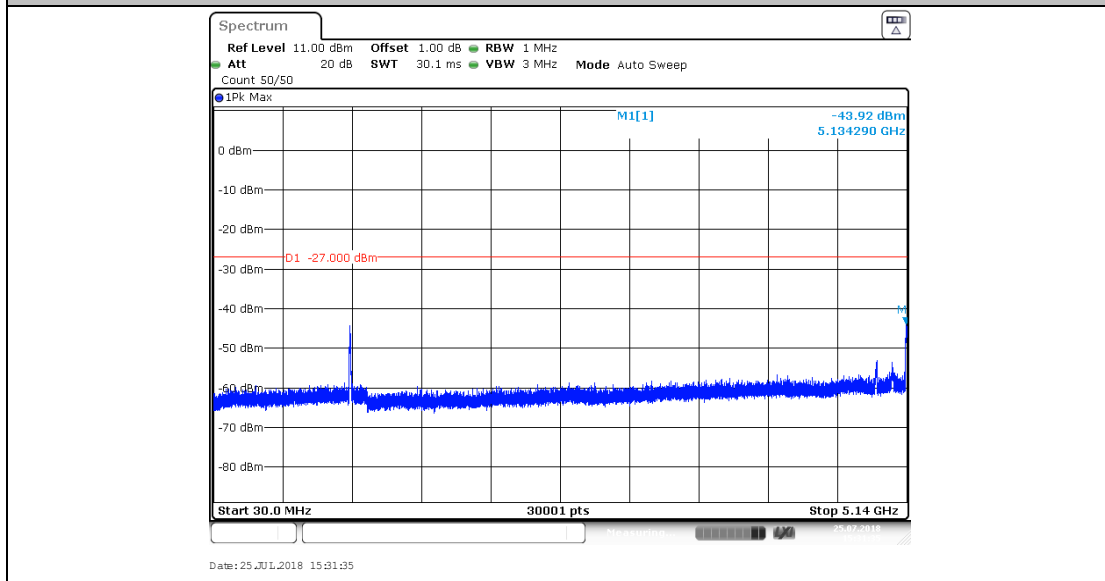




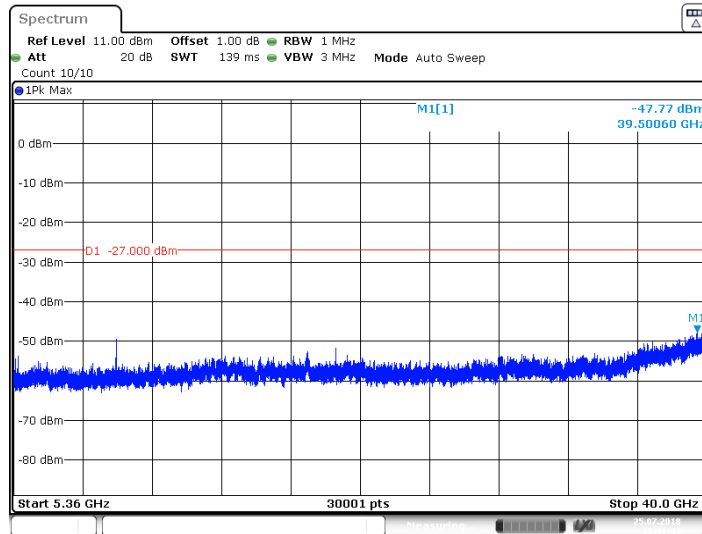
11N20SISO_Ant1_5200_5360~40000



11N20SISO_Ant1_5240_30~5140

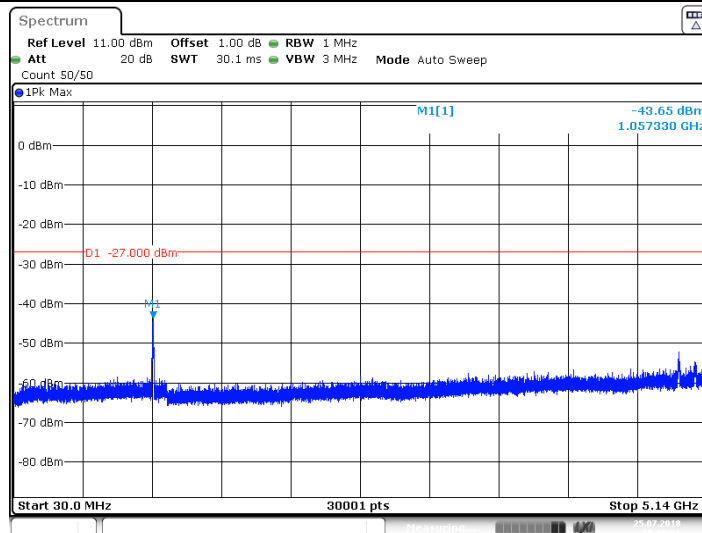


11N20SISO_Ant1_5240_5360~40000



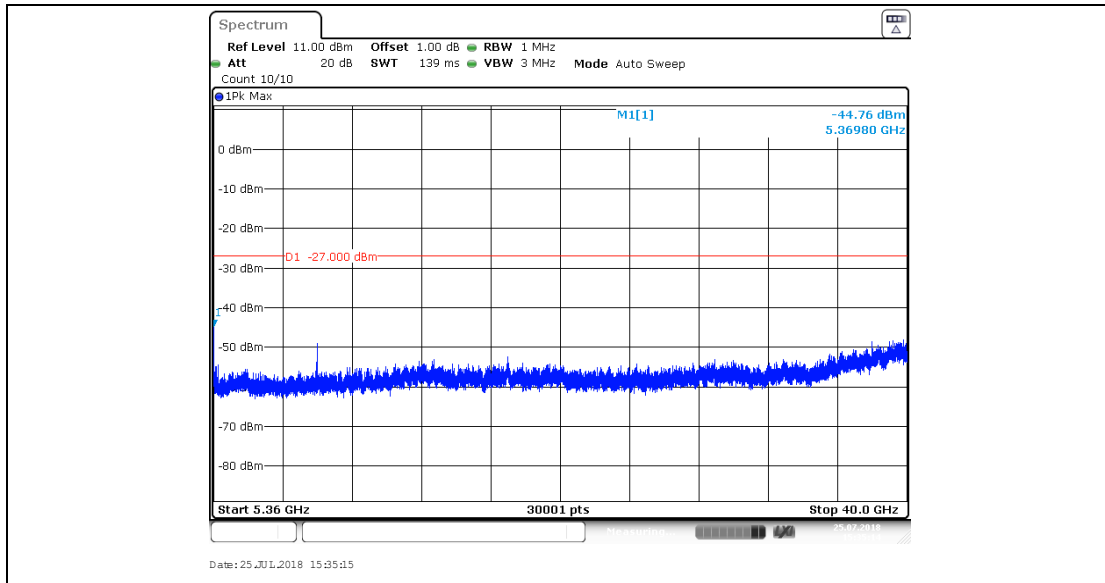
Date: 25 JUL 2018 15:31:44

11N20SISO_Ant1_5260_30~5140

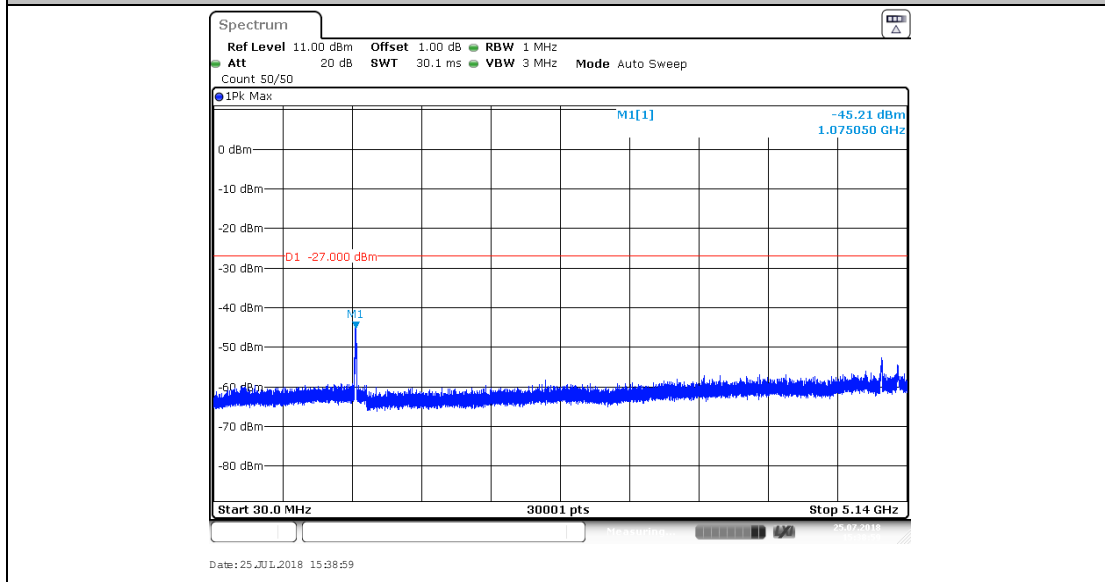


Date: 25 JUL 2018 15:35:06

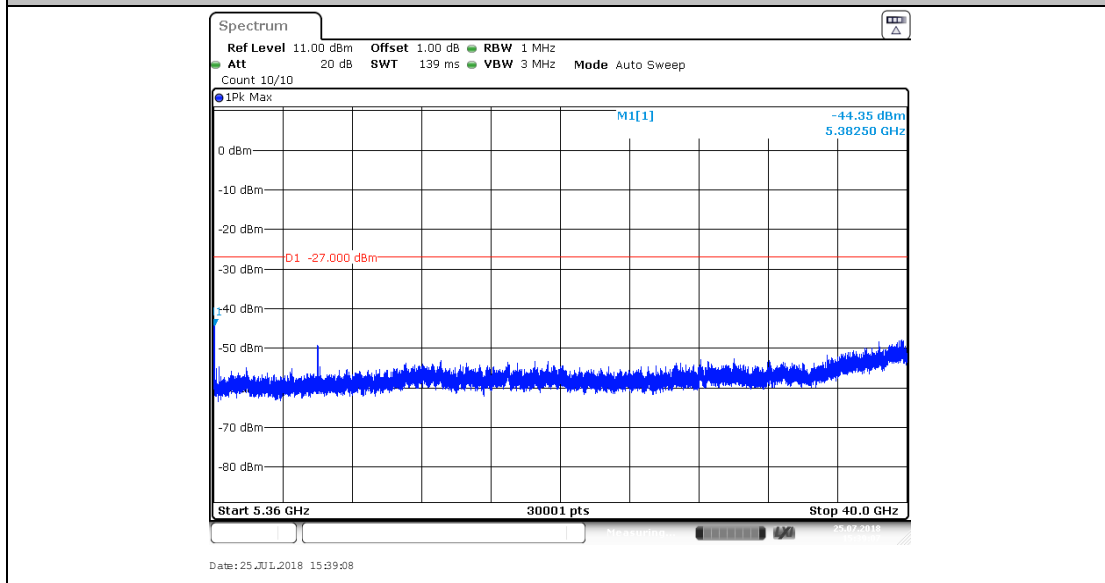
11N20SISO_Ant1_5260_5360~40000



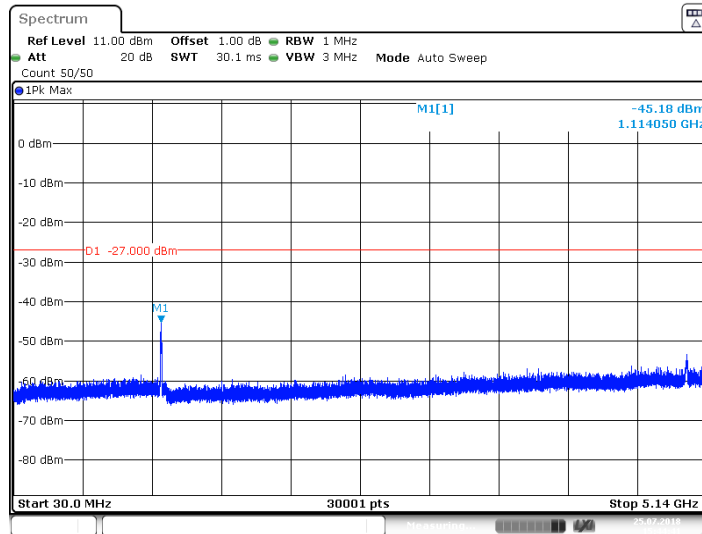
11N20SISO_Ant1_5280_30~5140



11N20SISO_Ant1_5280_5360~40000

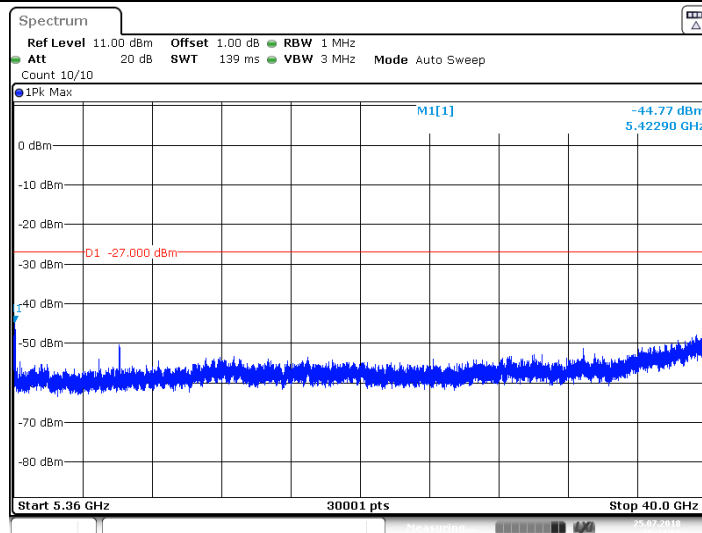


11N20SISO_Ant1_5320_30~5140



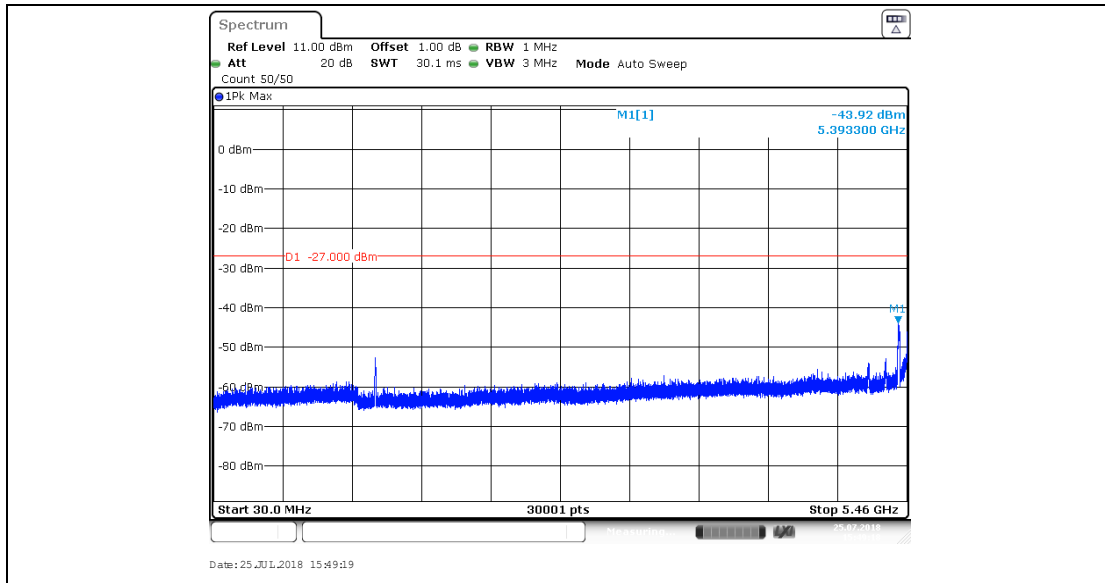
Date: 25 JUL 2018 15:44:41

11N20SISO_Ant1_5320_5360~40000

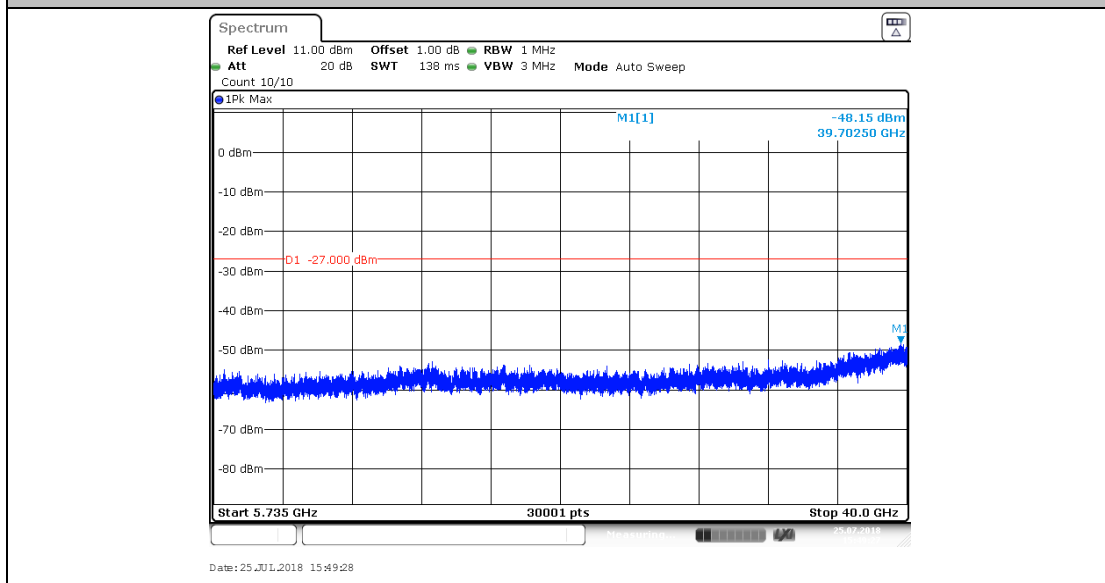


Date: 25 JUL 2018 15:44:50

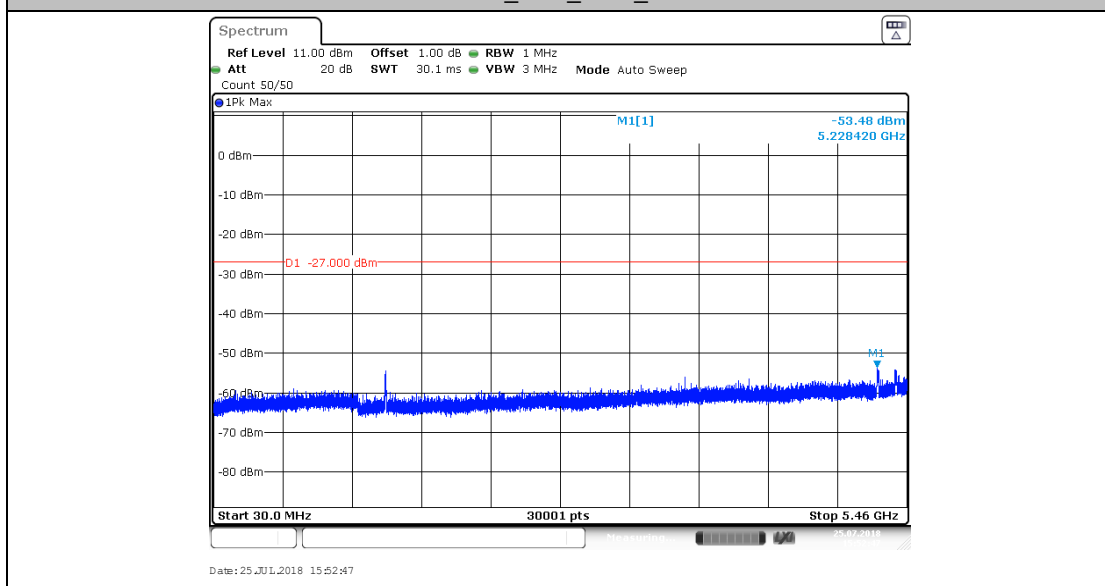
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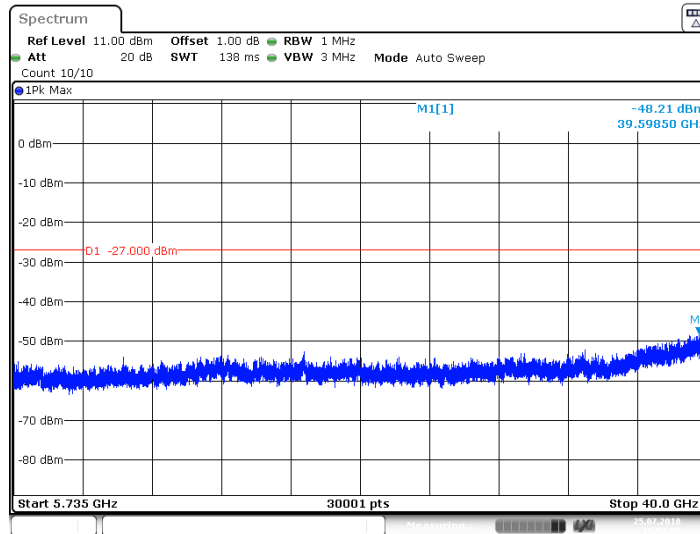
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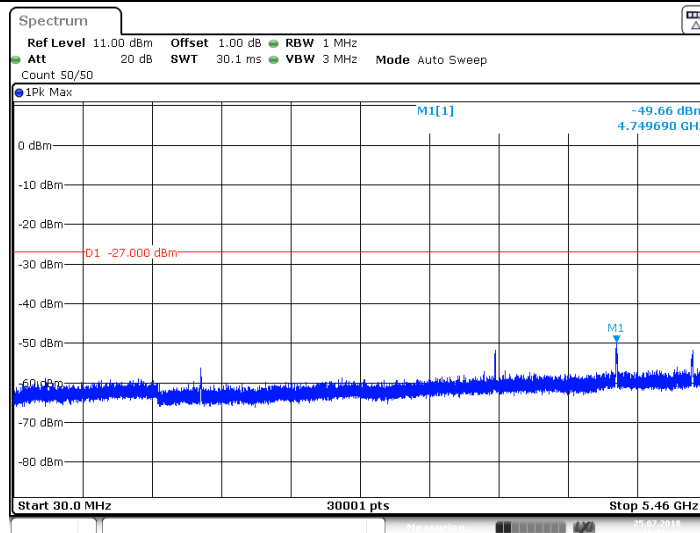
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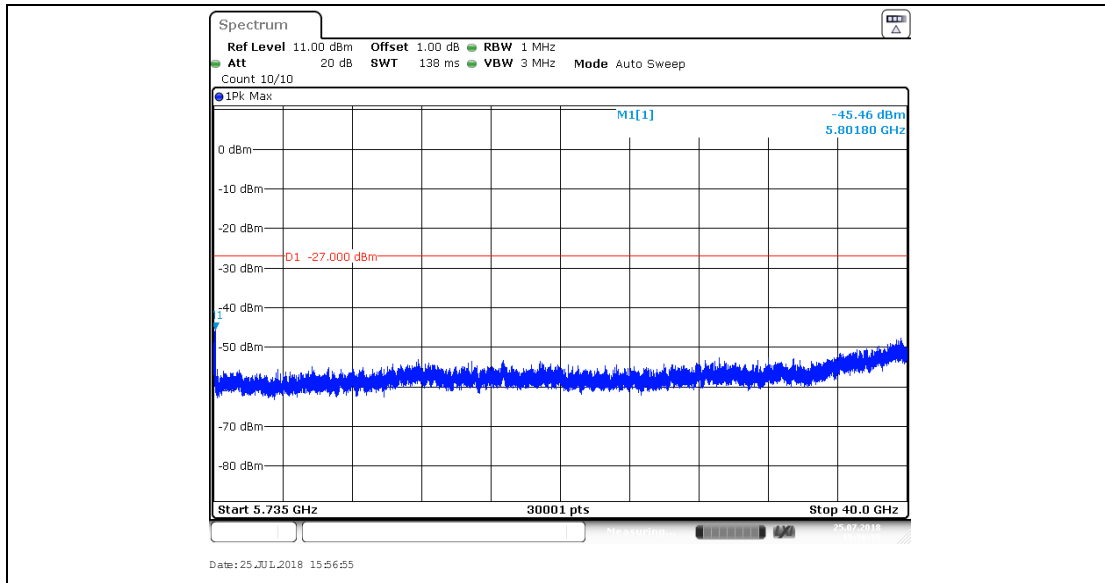
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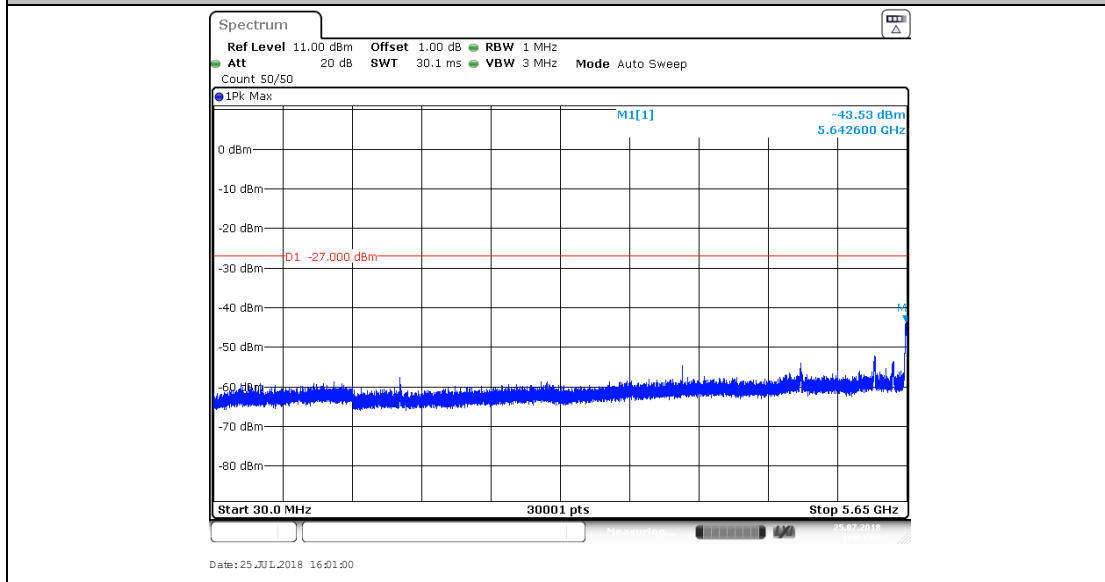
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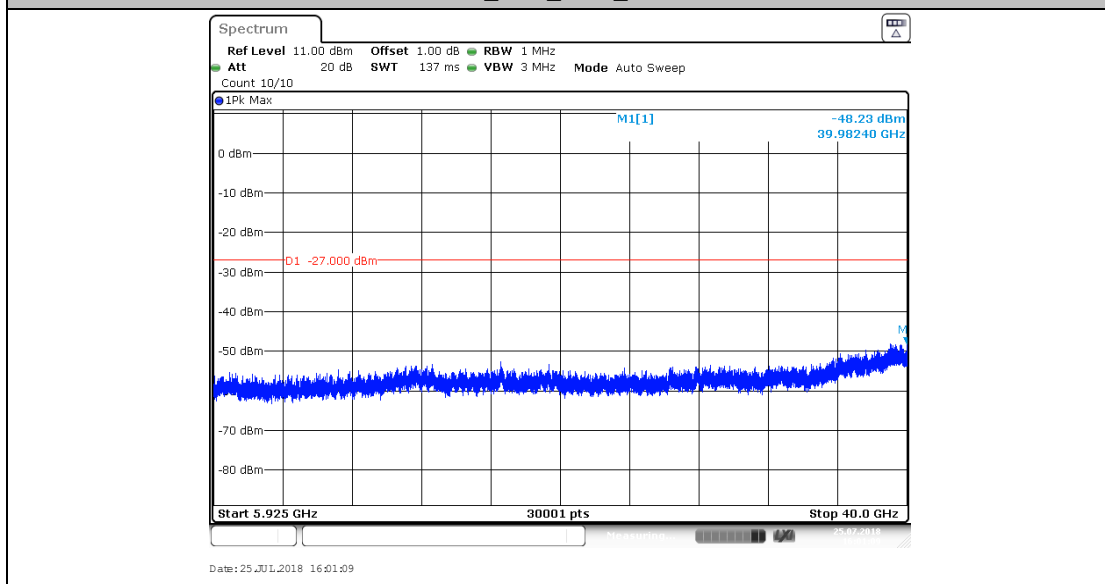
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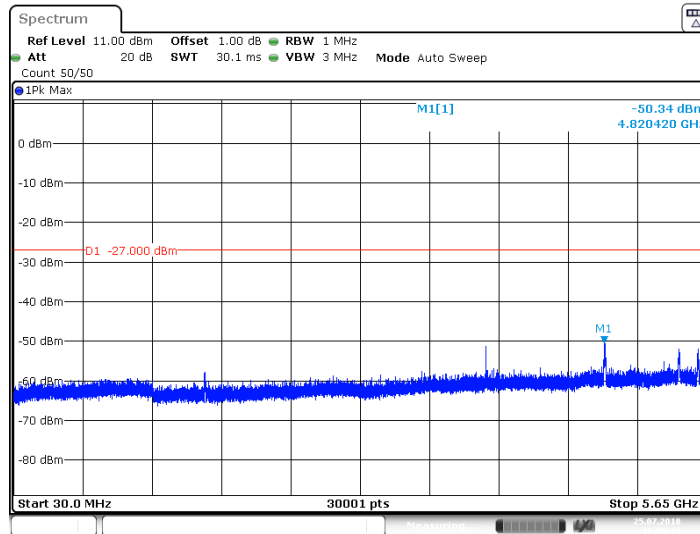
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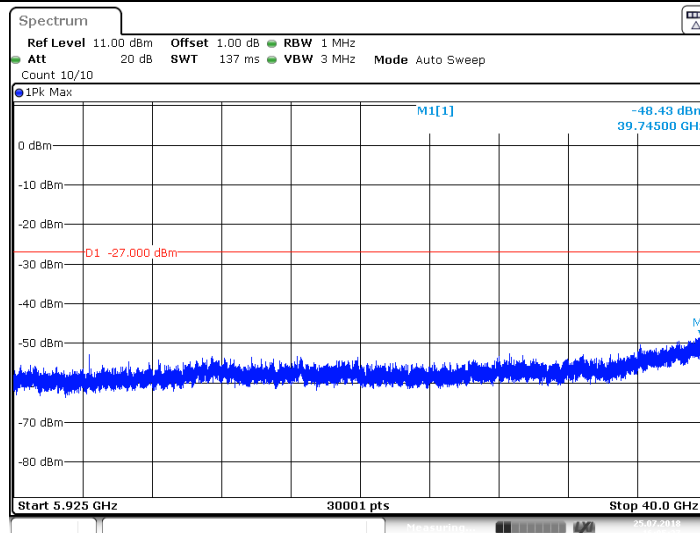
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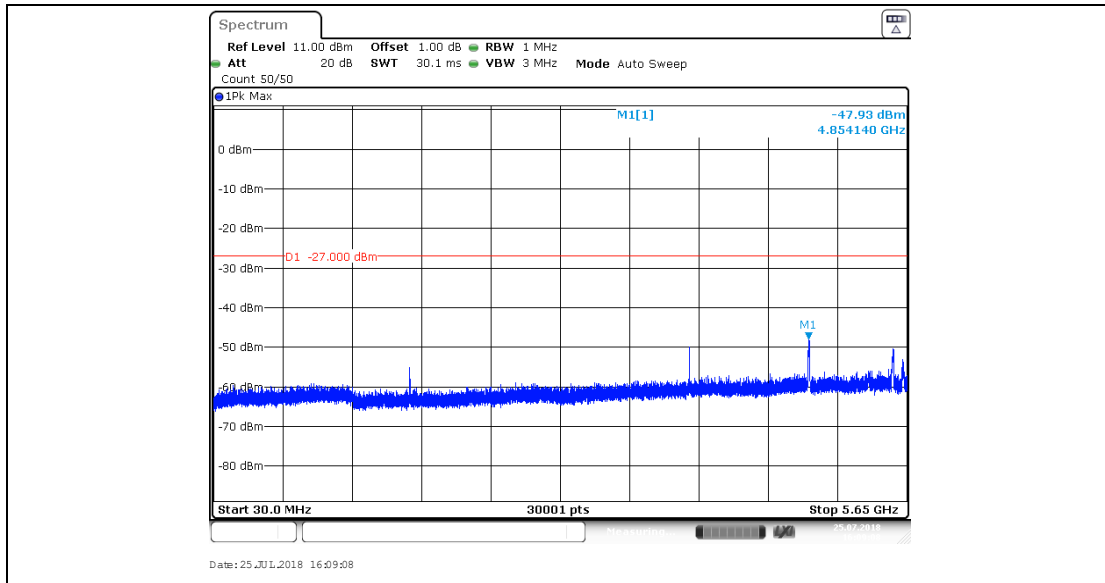
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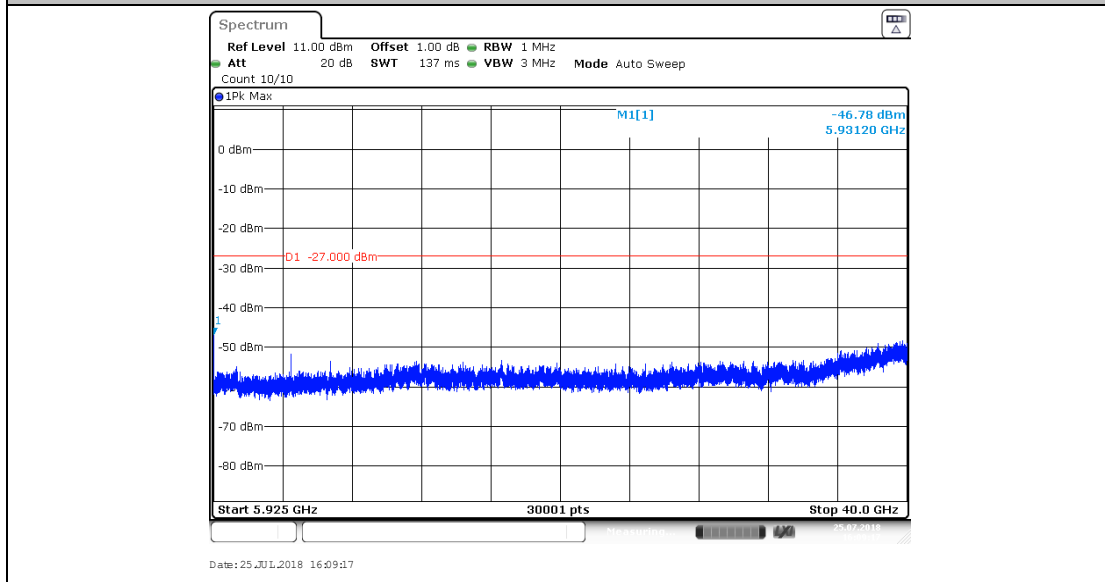
11N20SISO_Ant1_5785_5925~40000



11N20SISO_Ant1_5825_30~5650



11N20SISO_Ant1_5825_5925~40000



Appendix2 F: Frequency Stability

Test Result

TestMode	Antenna	Channel	Voltage					Limit (ppm)	Verdict
			Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)		
11N20SI SO	Ant1	5180	NV	NT	15000	2.895753	20	PASS	
		5180	LV	NT	-15000	-2.895753	20	PASS	
		5180	HV	NT	15000	2.895753	20	PASS	
		5200	NV	NT	0	0	20	PASS	
		5200	LV	NT	0	0	20	PASS	
		5200	HV	NT	0	0	20	PASS	
		5240	NV	NT	-15000	-2.862595	20	PASS	
		5240	LV	NT	15000	2.862595	20	PASS	
		5240	HV	NT	15000	2.862595	20	PASS	
		5260	NV	NT	30000	5.703422	20	PASS	
		5260	LV	NT	0	0	20	PASS	
		5260	HV	NT	-15000	-2.851711	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	-15000	-2.819549	20	PASS	
		5320	LV	NT	-15000	-2.819549	20	PASS	
		5320	HV	NT	0	0	20	PASS	
		5500	NV	NT	-15000	-2.727273	20	PASS	
		5500	LV	NT	0	0	20	PASS	
		5500	HV	NT	0	0	20	PASS	
		5580	NV	NT	0	0	20	PASS	
		5580	LV	NT	15000	2.688172	20	PASS	
		5580	HV	NT	15000	2.688172	20	PASS	
		5700	NV	NT	0	0	20	PASS	
		5700	LV	NT	-15000	-2.631579	20	PASS	
		5700	HV	NT	-30000	-5.263158	20	PASS	
		5745	NV	NT	0	0	20	PASS	
		5745	LV	NT	0	0	20	PASS	
		5745	HV	NT	15000	2.610966	20	PASS	
5785	NV	NT	0	0	20	PASS			
5785	LV	NT	30000	5.185825	20	PASS			
5785	HV	NT	15000	2.592913	20	PASS			
5825	NV	NT	-15000	-2.575107	20	PASS			
5825	LV	NT	0	0	20	PASS			
5825	HV	NT	0	0	20	PASS			

Temperature								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
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	-15000	-2.884615	20	PASS
		5240	NV	-5	15000	2.862595	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	-45000	-8.522727	20	PASS
		5280	NV	50	0	0	20	PASS
		5320	NV	-5	15000	2.819549	20	PASS
		5320	NV	50	-15000	-2.819549	20	PASS
		5500	NV	-5	-15000	-2.727273	20	PASS
		5500	NV	50	15000	2.727273	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	-30000	-5.221932	20	PASS
		5745	NV	50	-15000	-2.610966	20	PASS
5785	NV	-5	-30000	-5.185825	20	PASS		
5785	NV	50	30000	5.185825	20	PASS		
5825	NV	-5	0	0	20	PASS		
5825	NV	50	0	0	20	PASS		