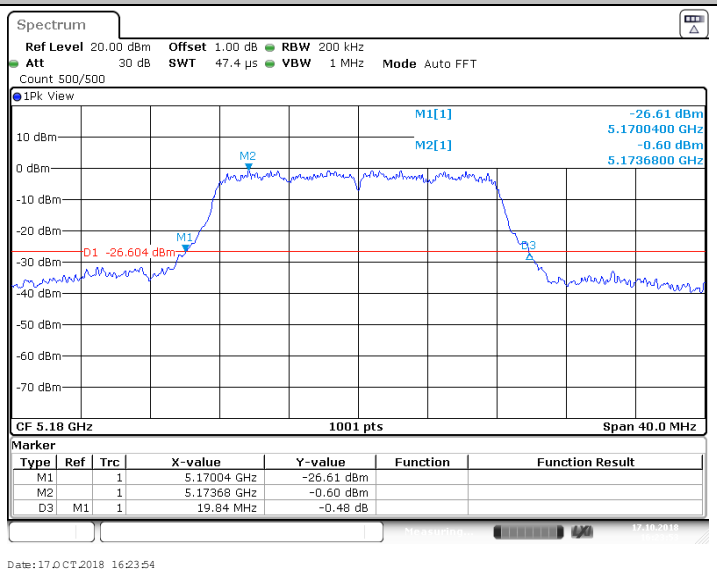
Appendix A1: Emission Bandwidth

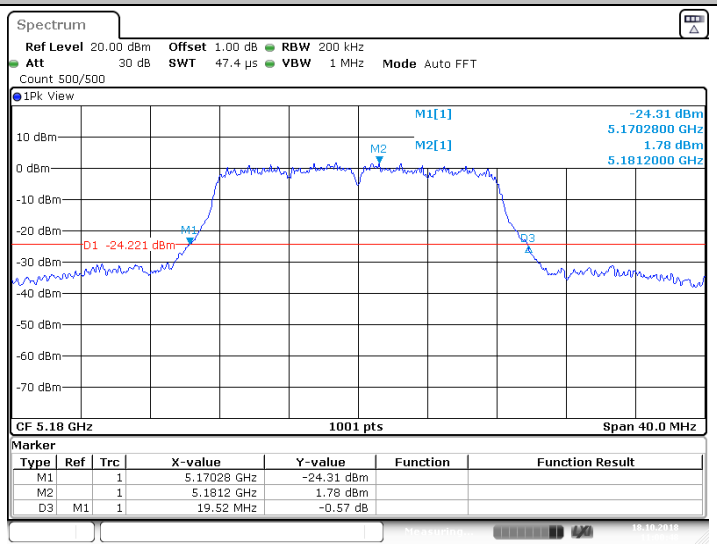
Test Result

TestMode	Antenna	Channel	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	19.840	5170.040	5189.880	---	PASS
	Ant2	5180	19.520	5170.280	5189.800	---	PASS
	Ant1	5200	21.600	5189.160	5210.760	---	PASS
	Ant2	5200	21.560	5189.200	5210.760	---	PASS
	Ant1	5240	21.480	5229.200	5250.680	---	PASS
	Ant2	5240	21.560	5229.200	5250.760	---	PASS
	Ant1	5260	21.600	5249.200	5270.800	---	PASS
	Ant2	5260	21.520	5249.200	5270.720	---	PASS
	Ant1	5280	21.480	5269.200	5290.680	---	PASS
	Ant2	5280	21.400	5269.200	5290.600	---	PASS
	Ant1	5320	21.400	5309.200	5330.600	---	PASS
	Ant2	5320	21.520	5309.160	5330.680	---	PASS
	Ant1	5500	21.560	5489.160	5510.720	---	PASS
	Ant2	5500	21.560	5489.160	5510.720	---	PASS
	Ant1	5580	21.720	5569.000	5590.720	---	PASS
	Ant2	5580	21.560	5569.200	5590.760	---	PASS
	Ant1	5700	21.520	5689.160	5710.680	---	PASS
	Ant2	5700	21.520	5689.160	5710.680	---	PASS
	Ant1	5720	21.680	5709.080	5730.760	---	PASS
	Ant2	5720	21.240	5709.240	5730.480	---	PASS
	Ant1	5720_UNII-2C	15.92	5709.080	5725	---	PASS
	Ant2	5720_UNII-2C	15.76	5709.240	5725	---	PASS
	Ant1	5720_UNII-3	5.76	5725	5730.760	---	PASS
	Ant2	5720_UNII-3	5.48	5725	5730.480	---	PASS
	Ant1	5745	21.520	5734.160	5755.680	---	PASS
	Ant2	5745	21.480	5734.080	5755.560	---	PASS
	Ant1	5785	21.560	5774.200	5795.760	---	PASS
	Ant2	5785	21.400	5774.200	5795.600	---	PASS
	Ant1	5825	21.480	5814.160	5835.640	---	PASS
	Ant2	5825	21.360	5814.160	5835.520	---	PASS

Test Graphs

11A_Ant1_5180


Date: 17.OCT.2018 16:23:54

11A_Ant2_5180


Date: 18.OCT.2018 11:00:49

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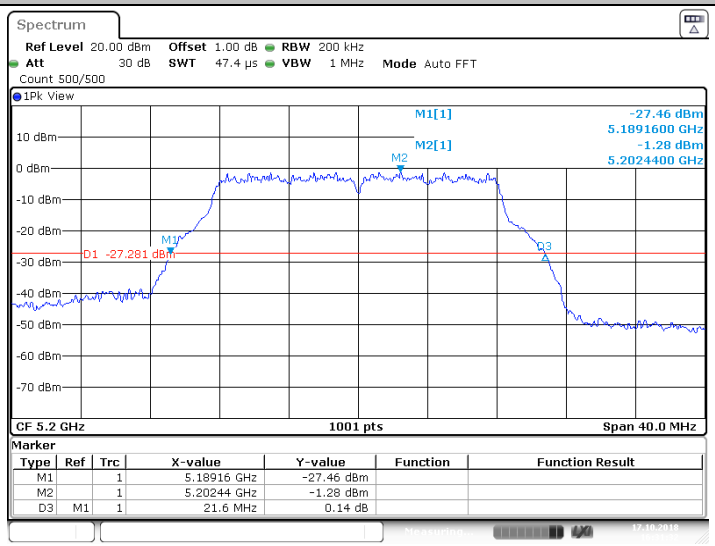

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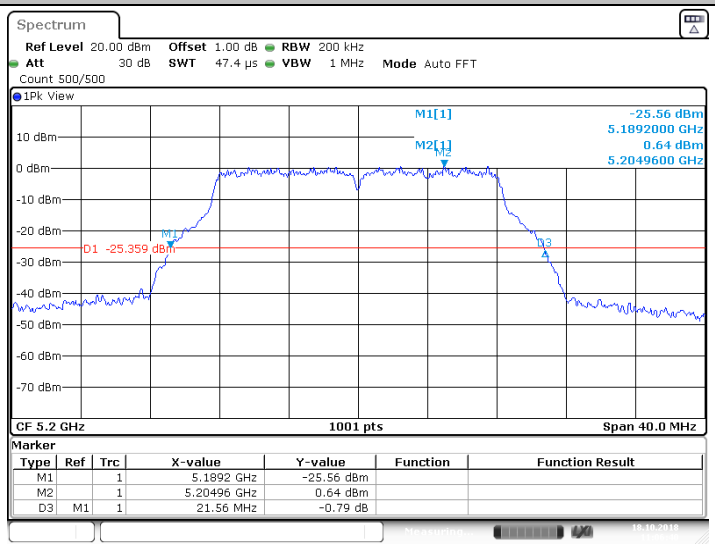

Date: 18.OCT.2018 11:06:41

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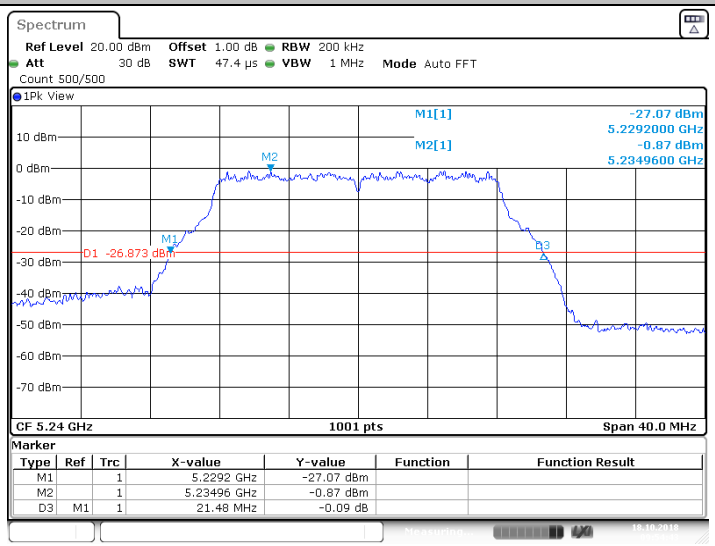

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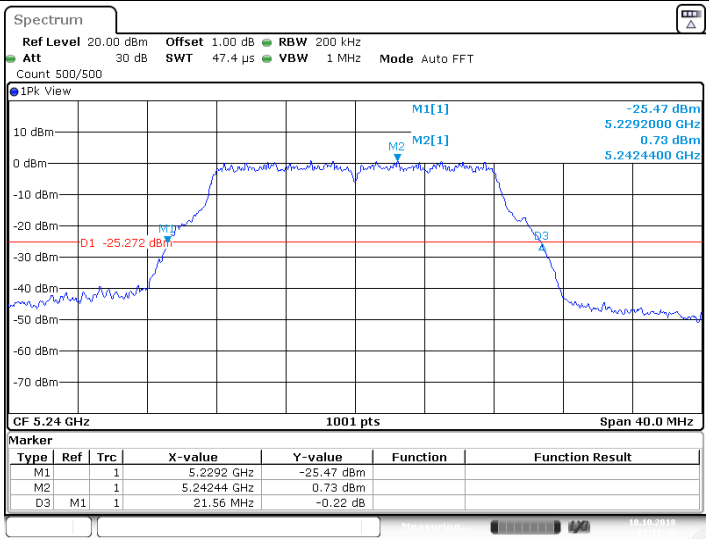

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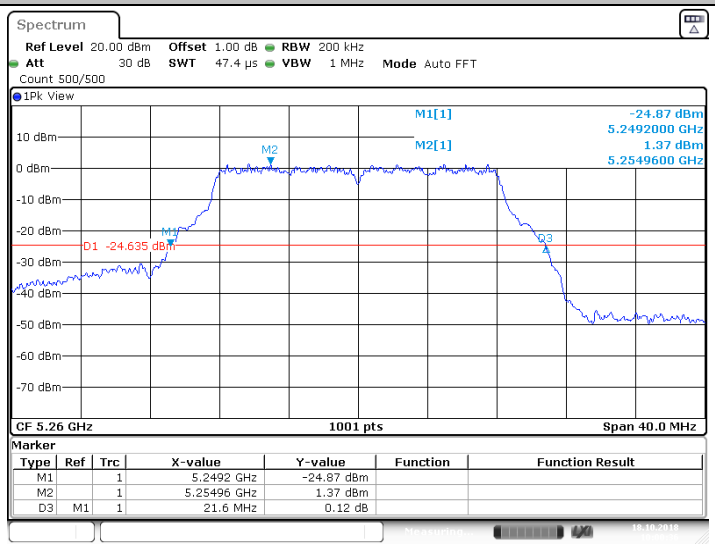

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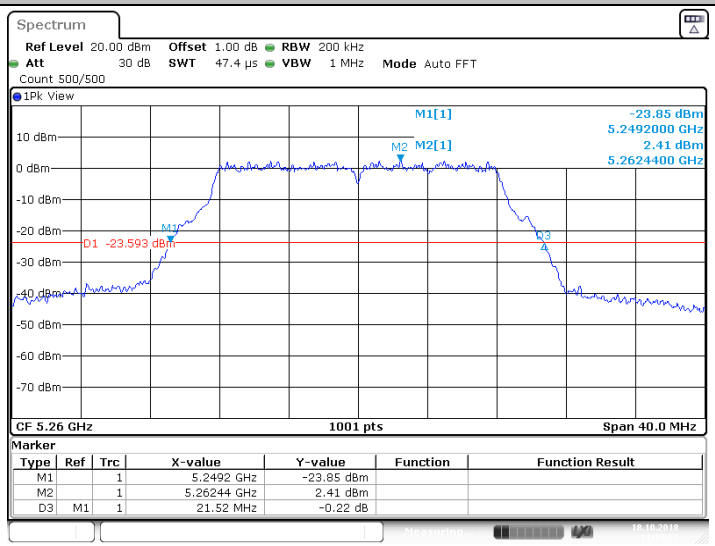

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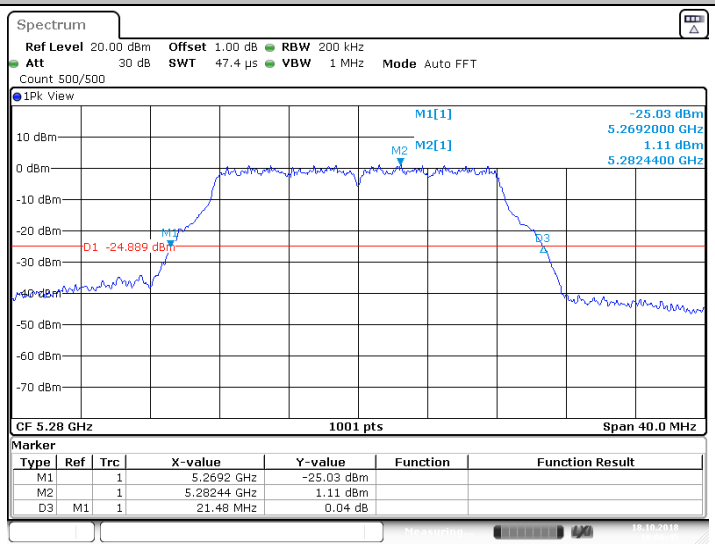

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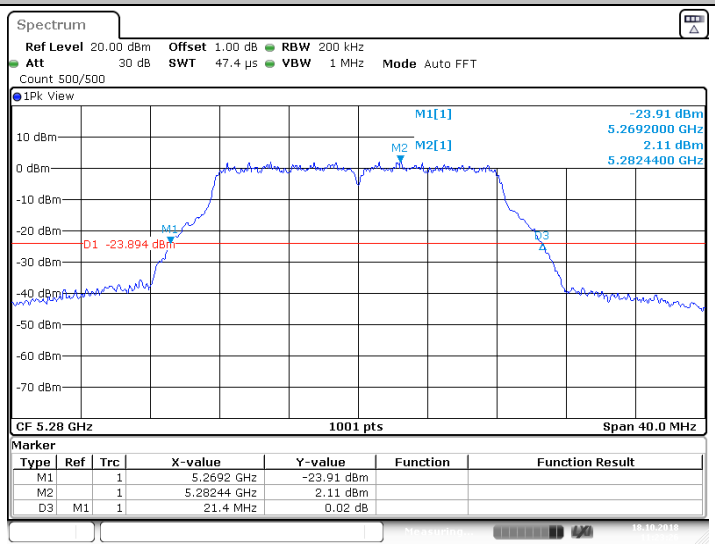

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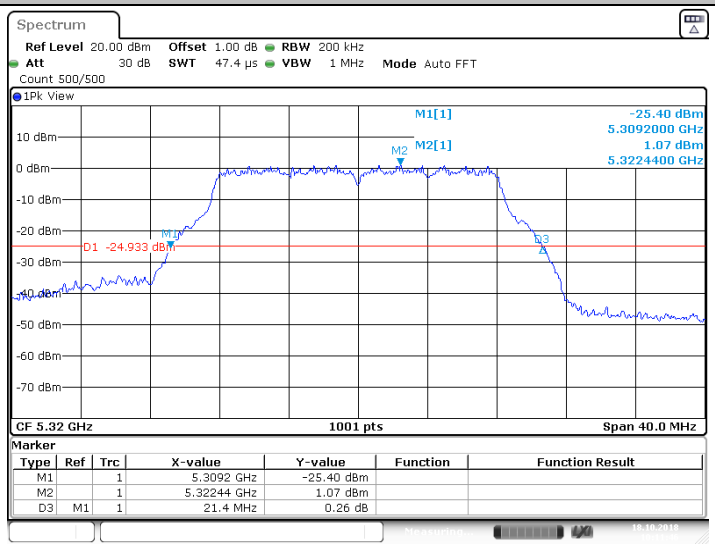

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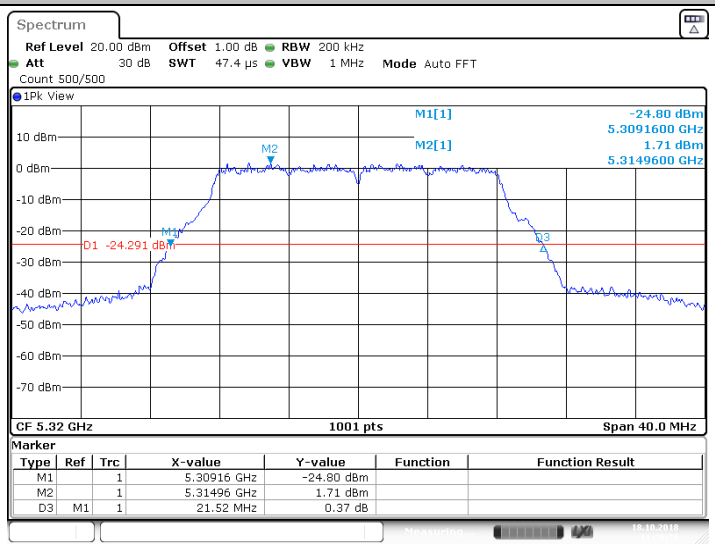

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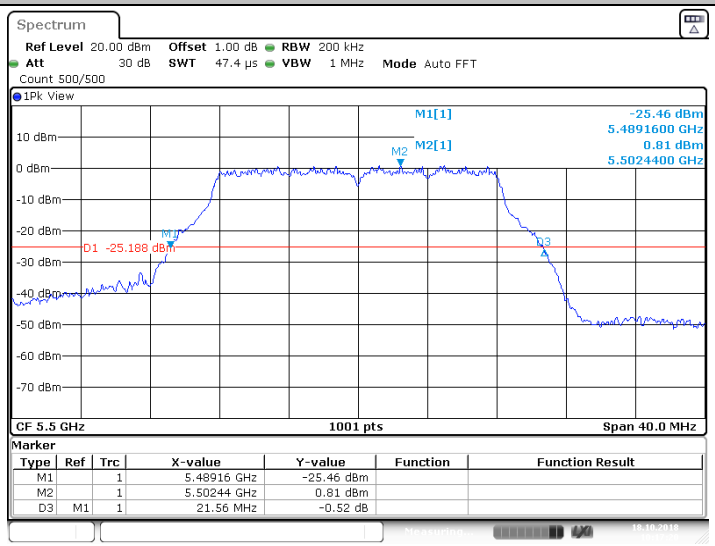

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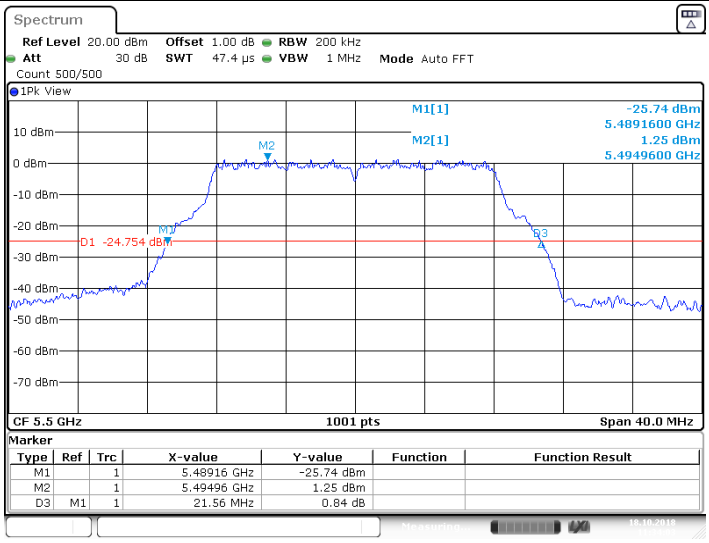

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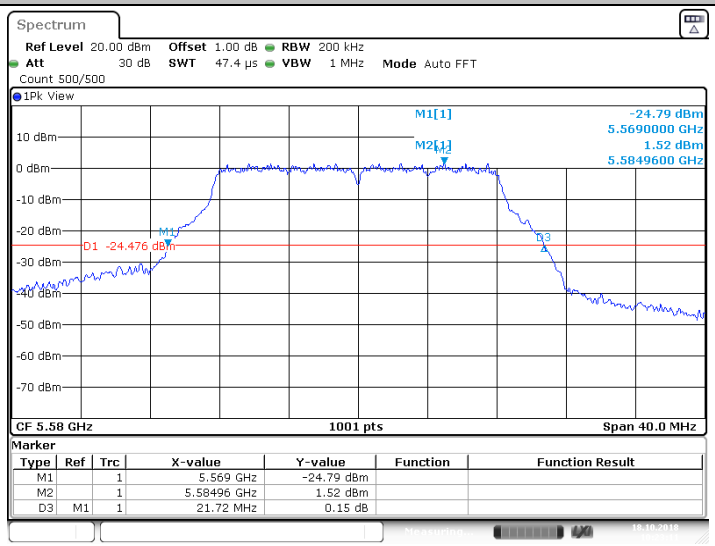

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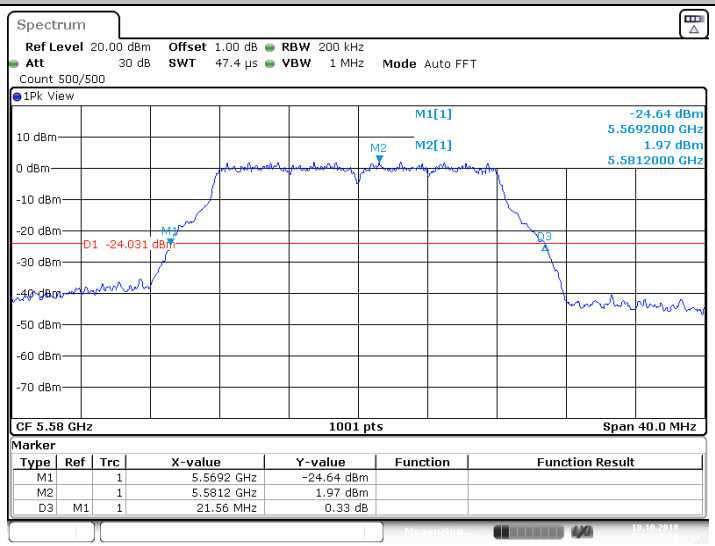

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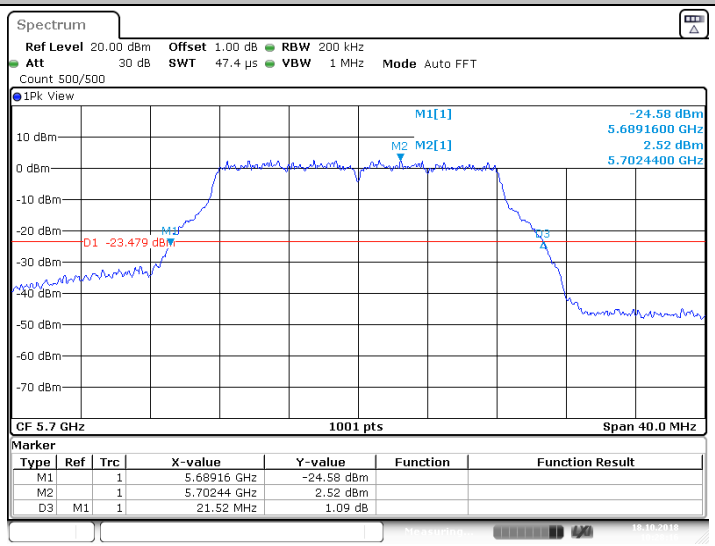

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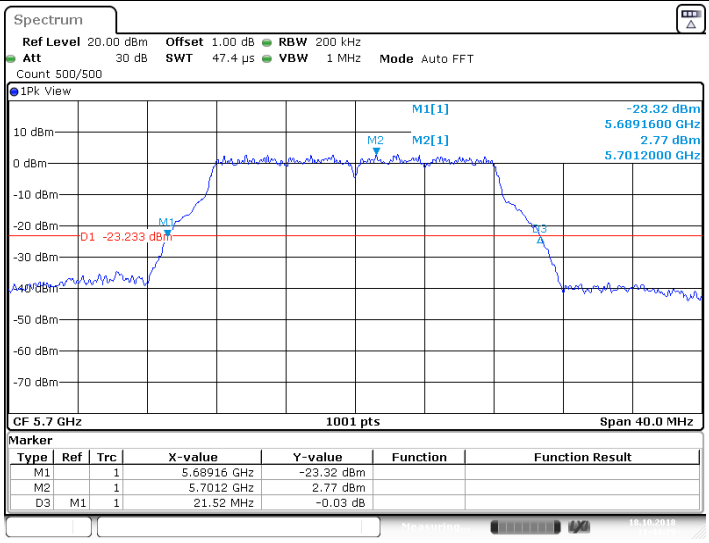

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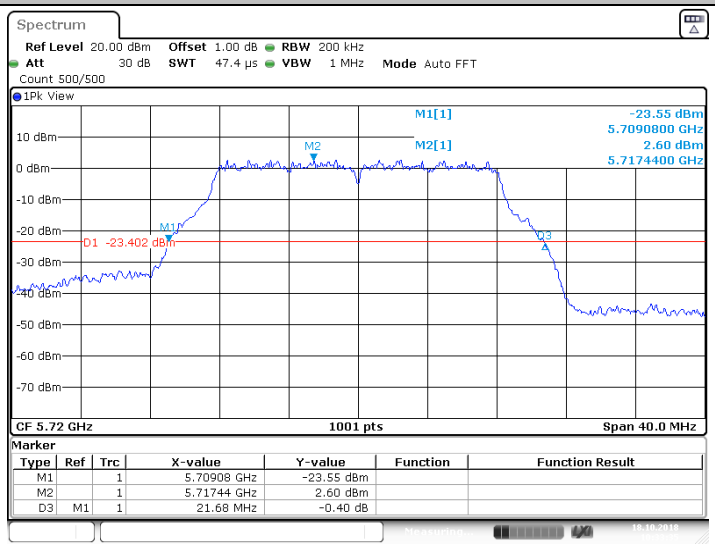

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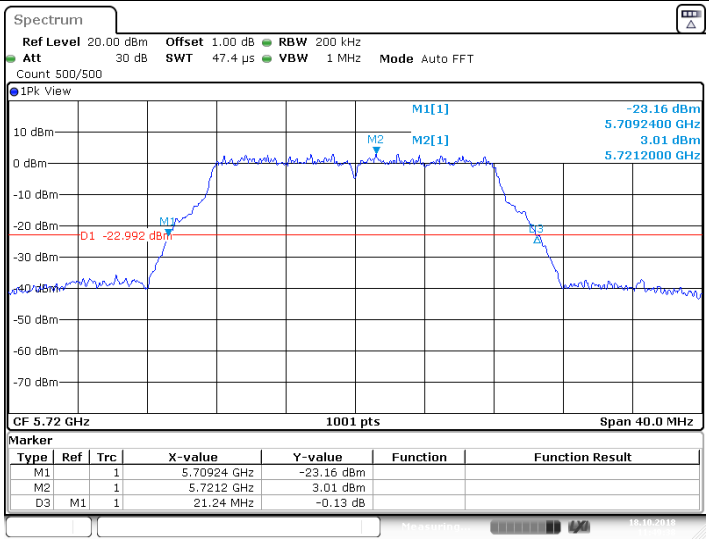

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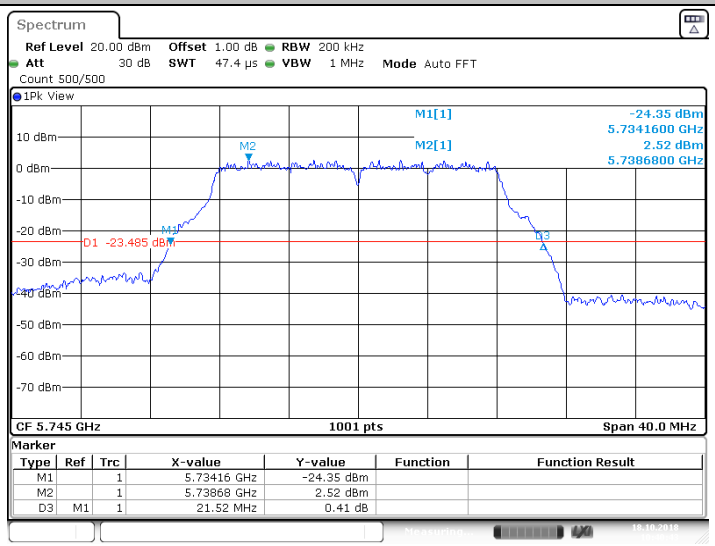

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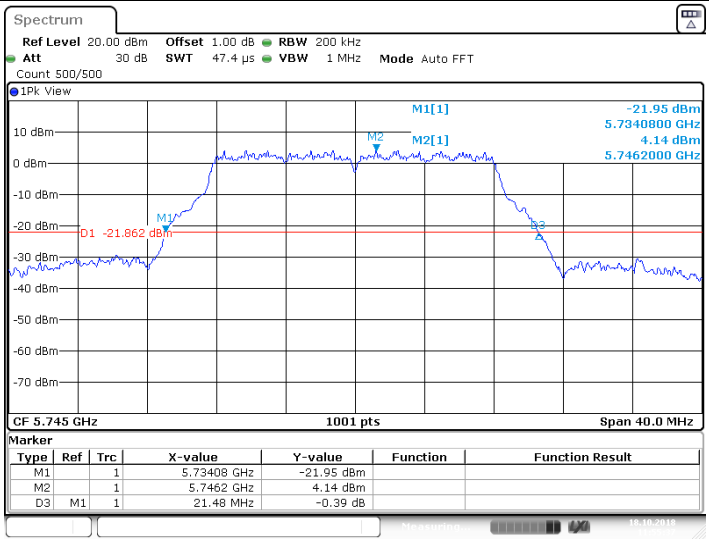

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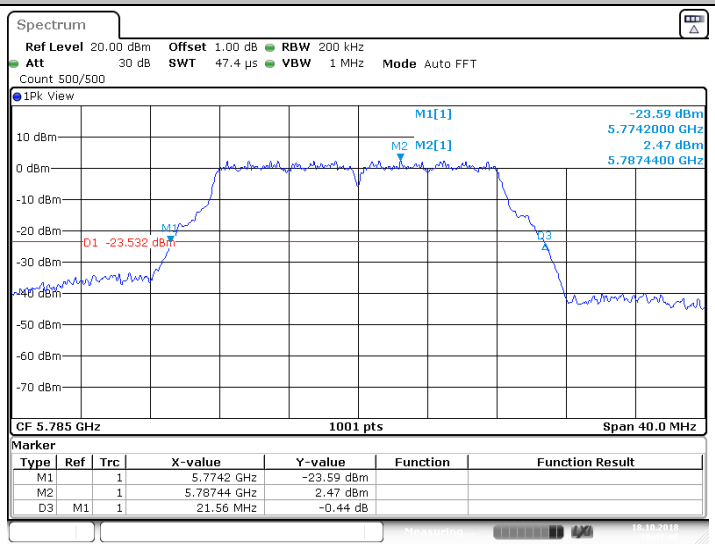

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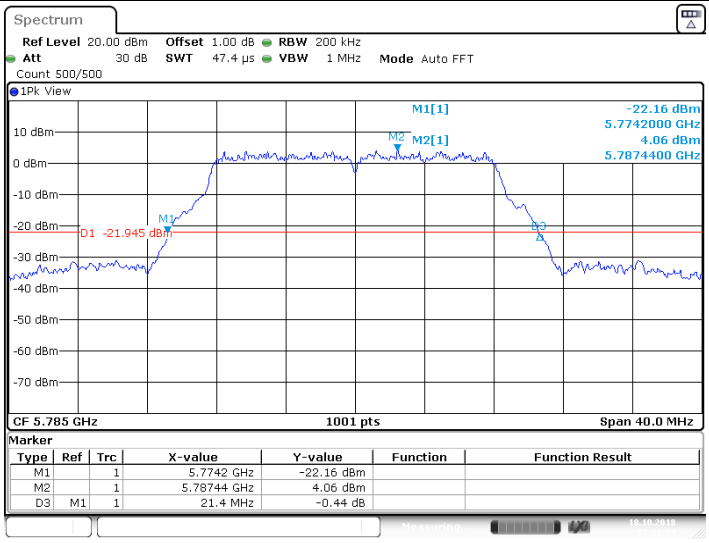

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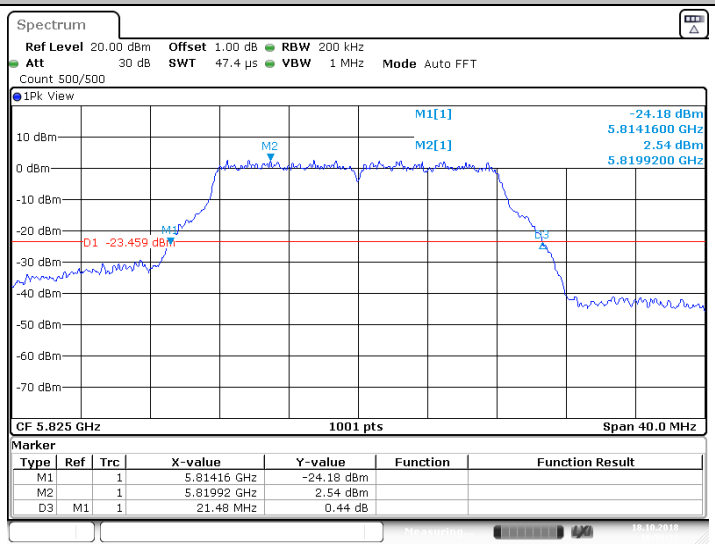

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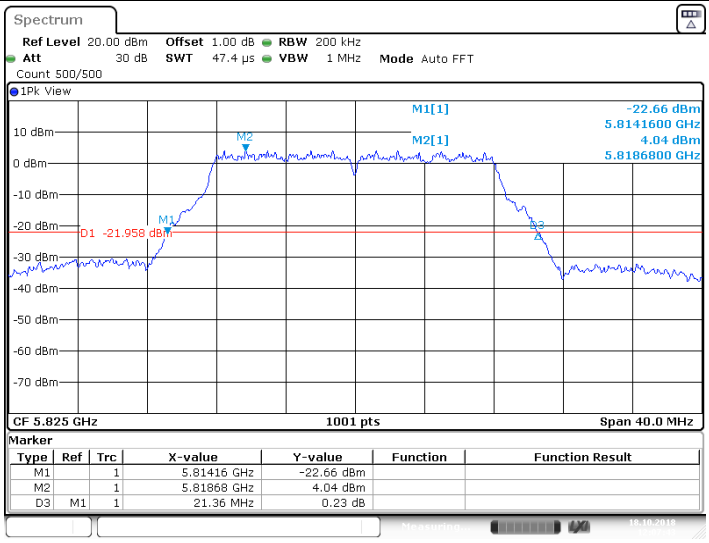
11A_Ant2_5825



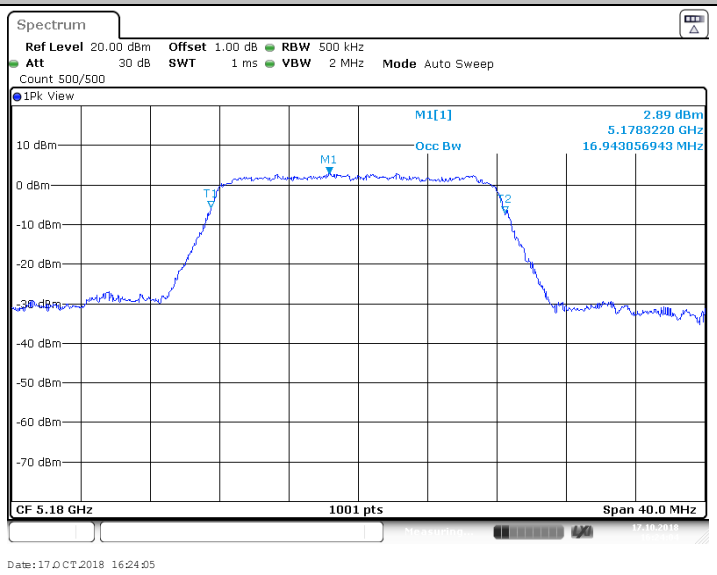
Date: 18.OCT.2018 12:07:43

Appendix A2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	16.943	5171.489	5188.432	---	PASS
	Ant2	5180	16.903	5171.528	5188.432	---	PASS
	Ant1	5200	17.942	5191.009	5208.951	---	PASS
	Ant2	5200	17.942	5191.009	5208.951	---	PASS
	Ant1	5240	17.902	5231.009	5248.911	---	PASS
	Ant2	5240	17.902	5231.009	5248.911	---	PASS
	Ant1	5260	17.942	5250.969	5268.911	---	PASS
	Ant2	5260	17.942	5250.969	5268.911	---	PASS
	Ant1	5280	17.942	5271.009	5288.951	---	PASS
	Ant2	5280	17.902	5271.009	5288.911	---	PASS
	Ant1	5320	17.982	5310.969	5328.951	---	PASS
	Ant2	5320	17.902	5311.009	5328.911	---	PASS
	Ant1	5500	17.942	5490.969	5508.911	---	PASS
	Ant2	5500	17.942	5490.969	5508.911	---	PASS
	Ant1	5580	17.942	5570.929	5588.871	---	PASS
	Ant2	5580	17.902	5570.969	5588.871	---	PASS
	Ant1	5700	17.982	5690.929	5708.911	---	PASS
	Ant2	5700	17.942	5690.969	5708.911	---	PASS
	Ant1	5720	17.942	5710.929	5728.871	---	PASS
	Ant2	5720	17.942	5710.929	5728.871	---	PASS
	Ant1	5720_UNII-2C	14.071	5710.929	5725	---	PASS
	Ant2	5720_UNII-2C	14.071	5710.929	5725	---	PASS
	Ant1	5720_UNII-3	3.871	5725	5728.871	---	PASS
	Ant2	5720_UNII-3	3.871	5725	5728.871	---	PASS
	Ant1	5745	17.942	5735.929	5753.871	---	PASS
	Ant2	5745	17.982	5735.929	5753.911	---	PASS
	Ant1	5785	17.942	5775.969	5793.911	---	PASS
	Ant2	5785	17.982	5775.969	5793.951	---	PASS
	Ant1	5825	17.982	5815.889	5833.871	---	PASS
	Ant2	5825	18.022	5815.889	5833.911	---	PASS

Test Graphs

11A_Ant1_5180

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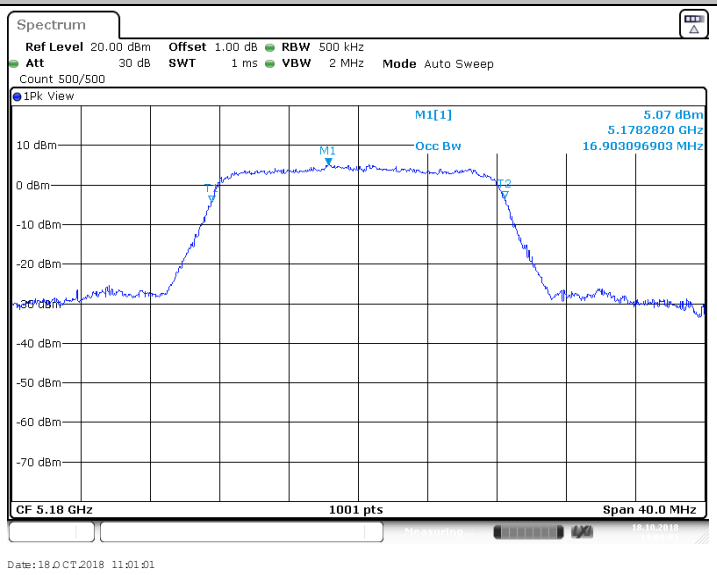

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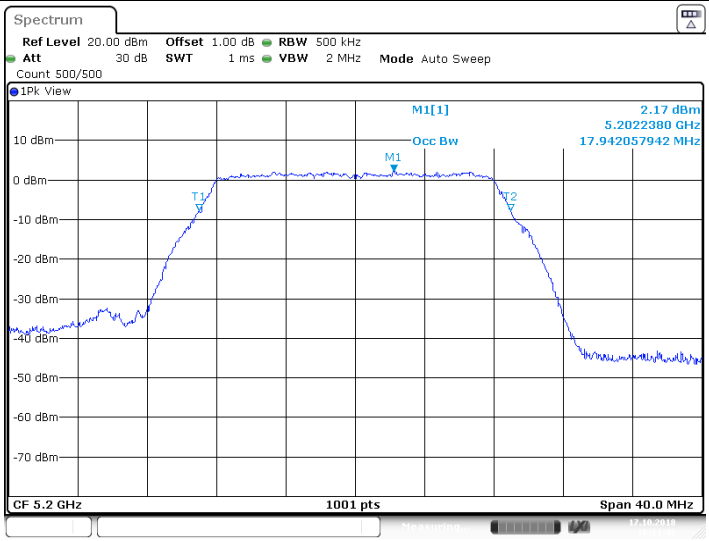

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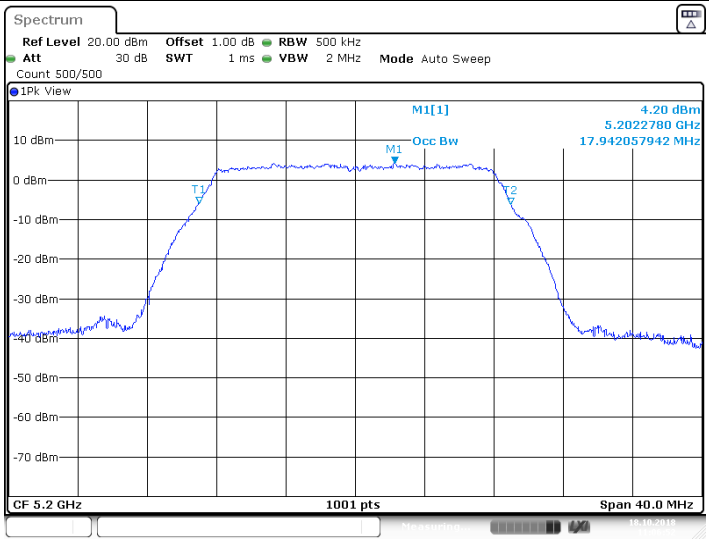

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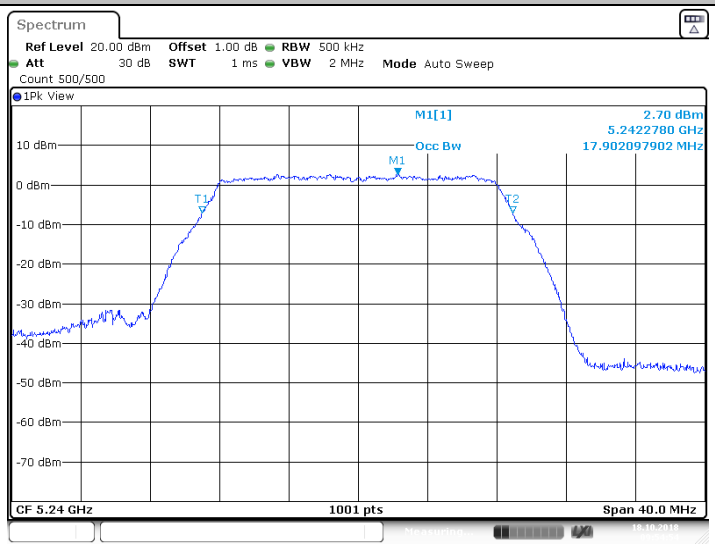

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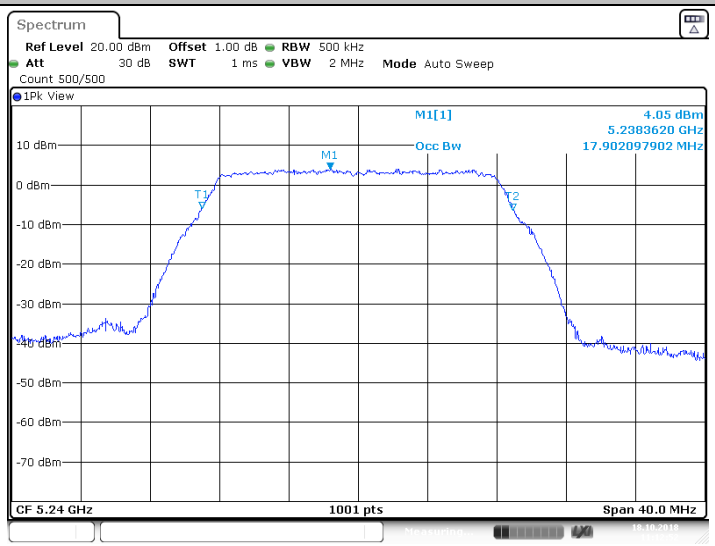

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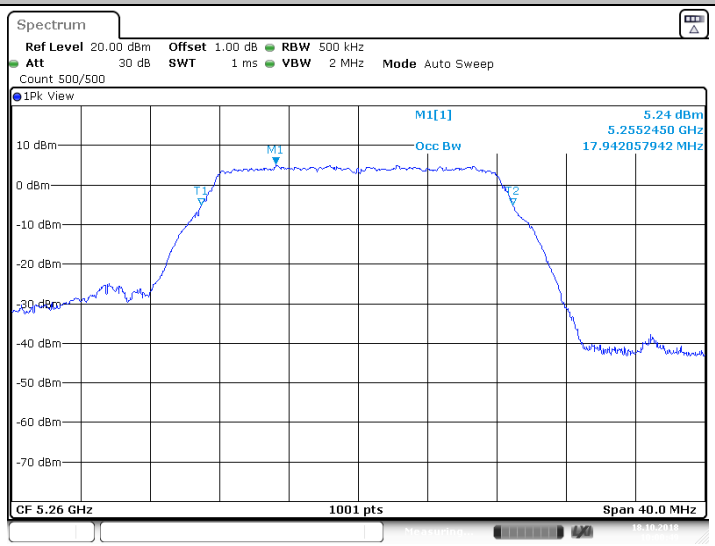

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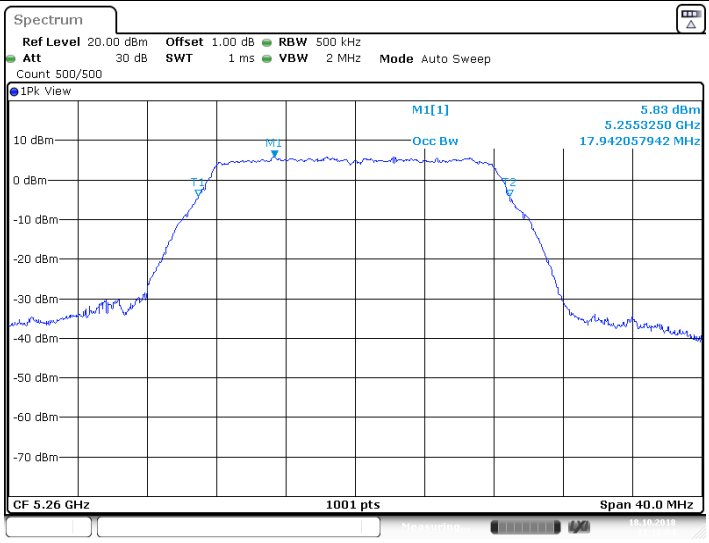

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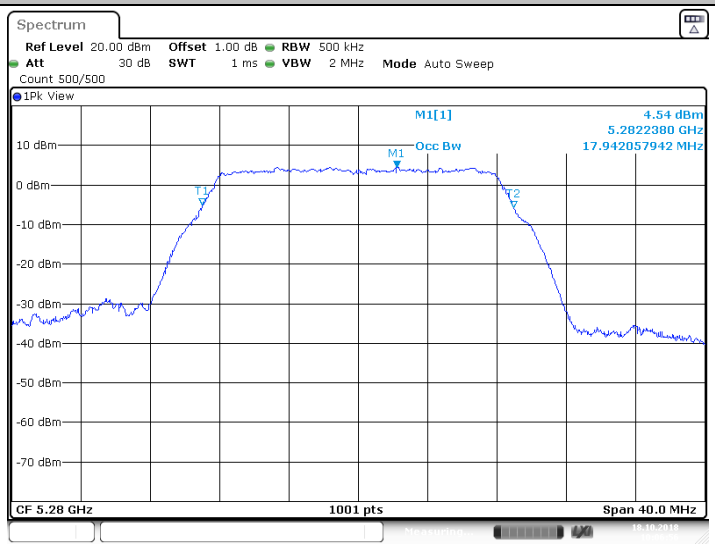

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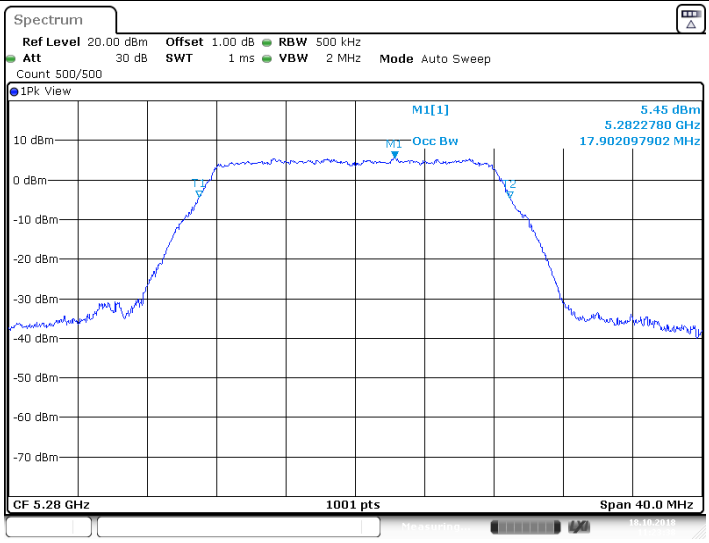

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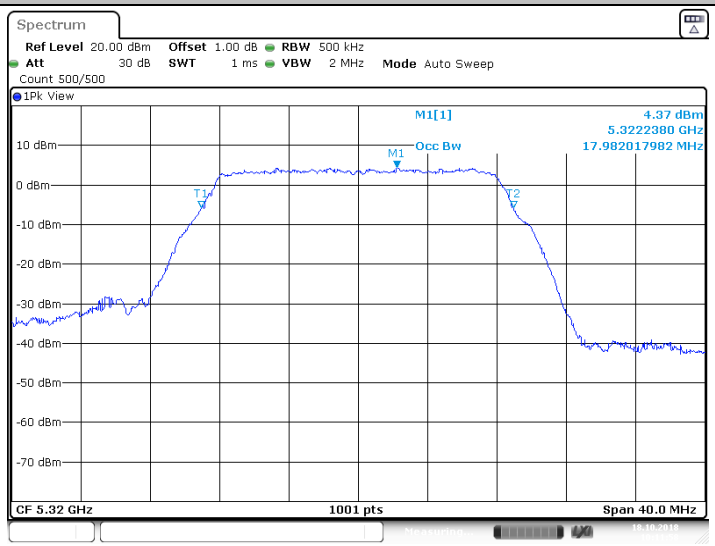

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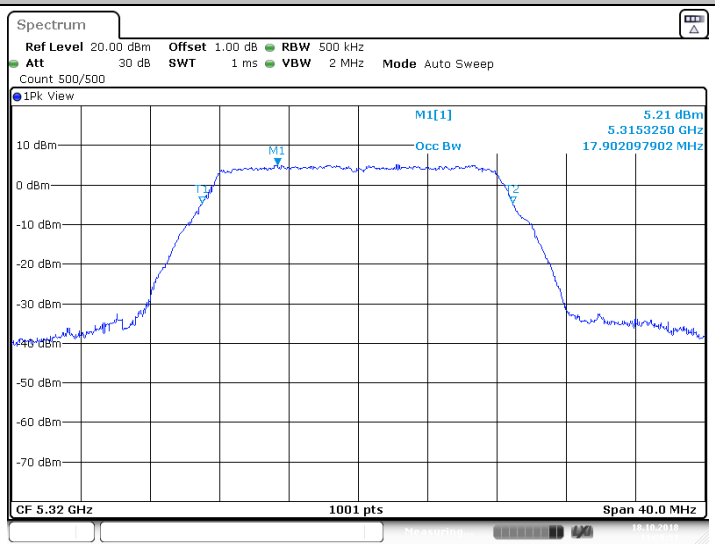

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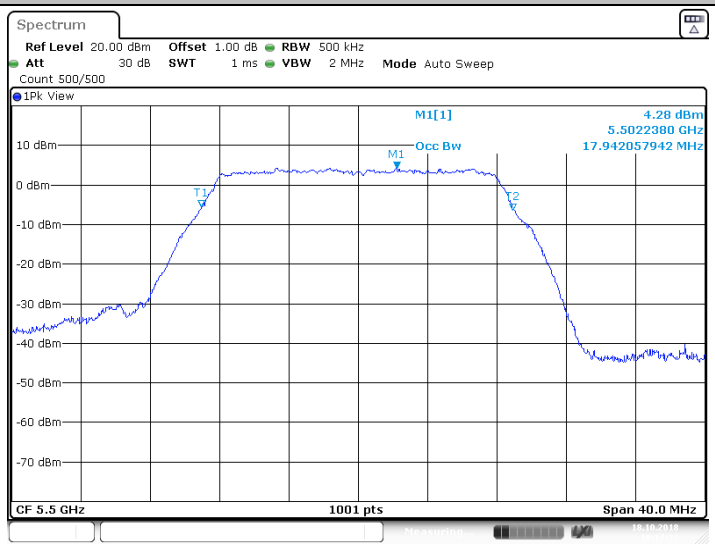

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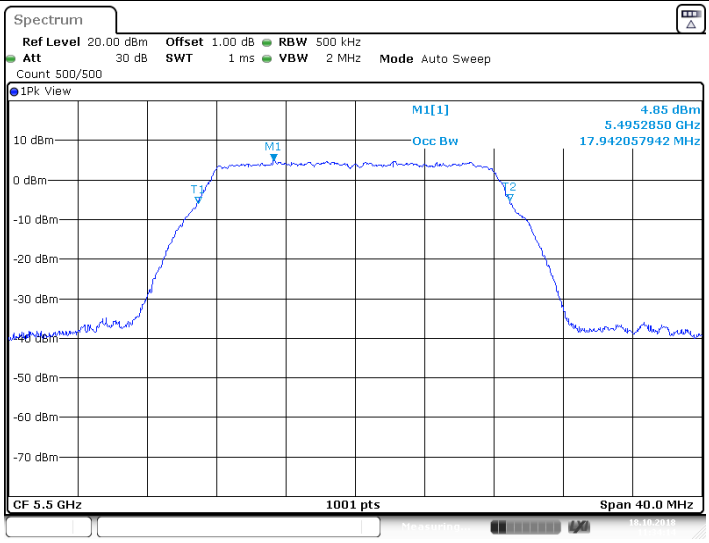

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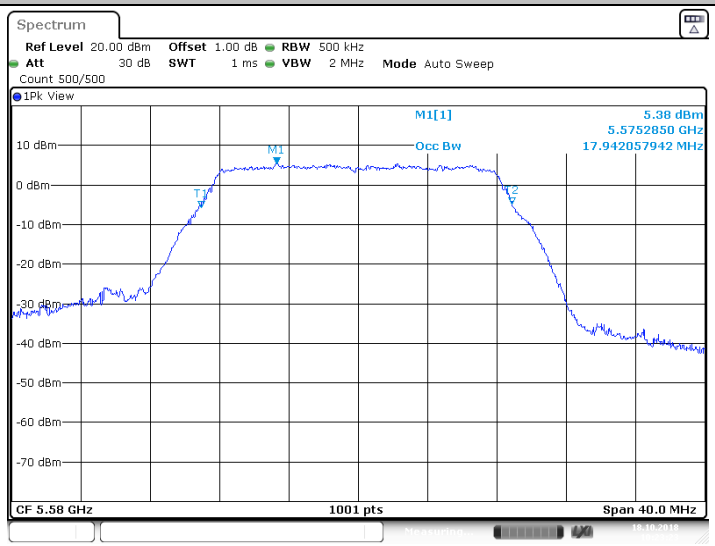

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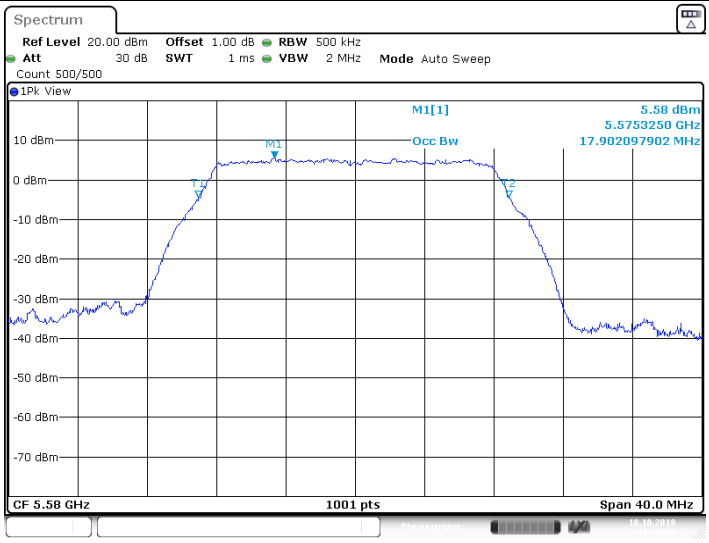

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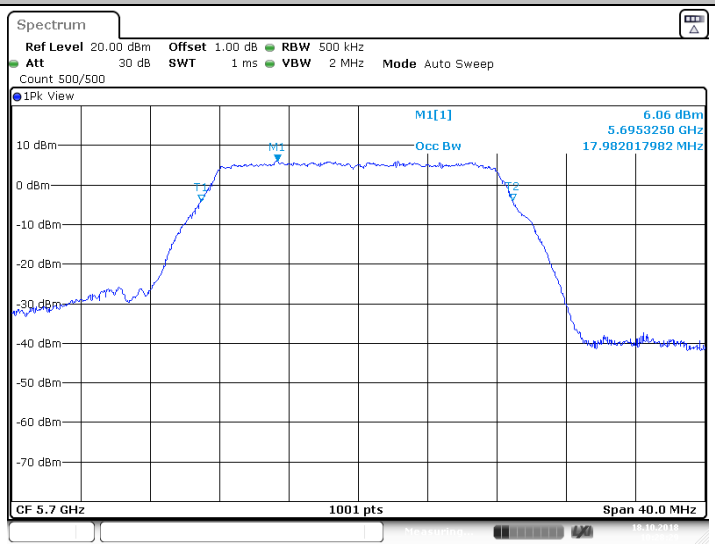
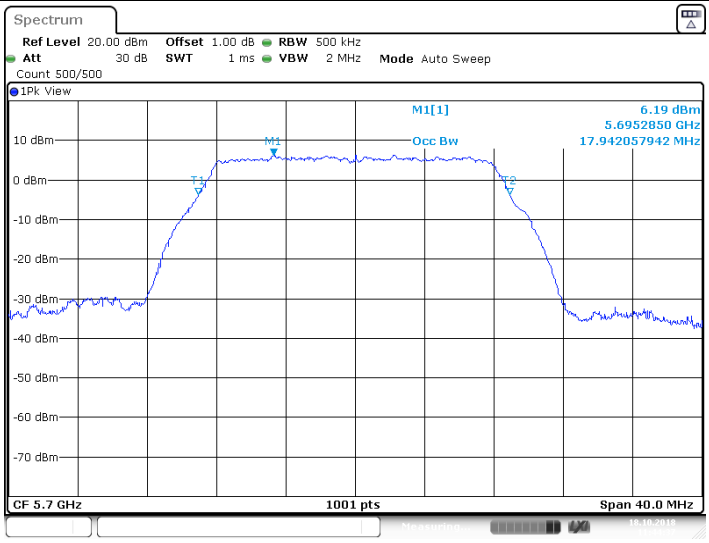
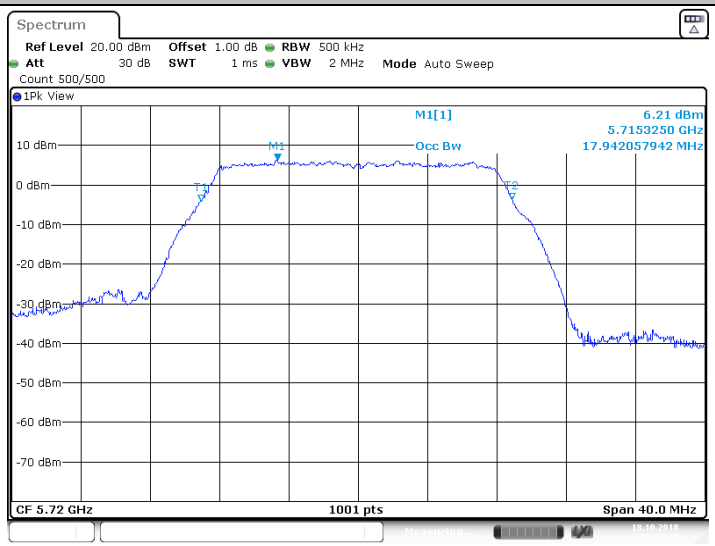


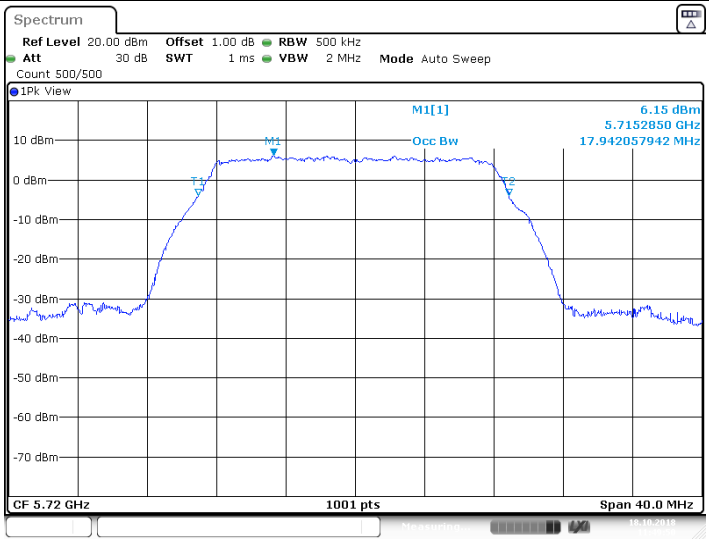
11A_Ant2_5700



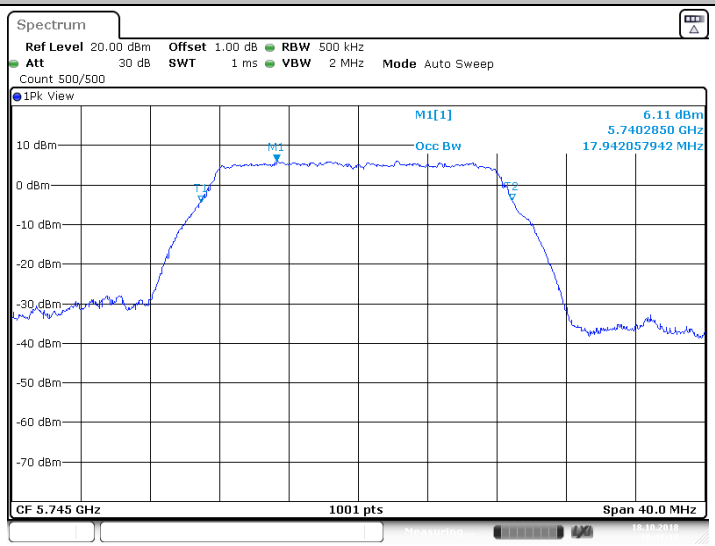
11A_Ant1_5720



11A_Ant2_5720

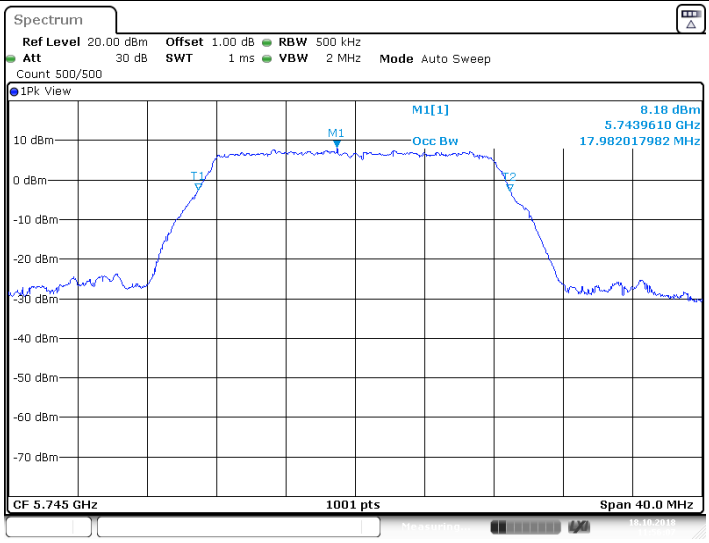


11A_Ant1_5745



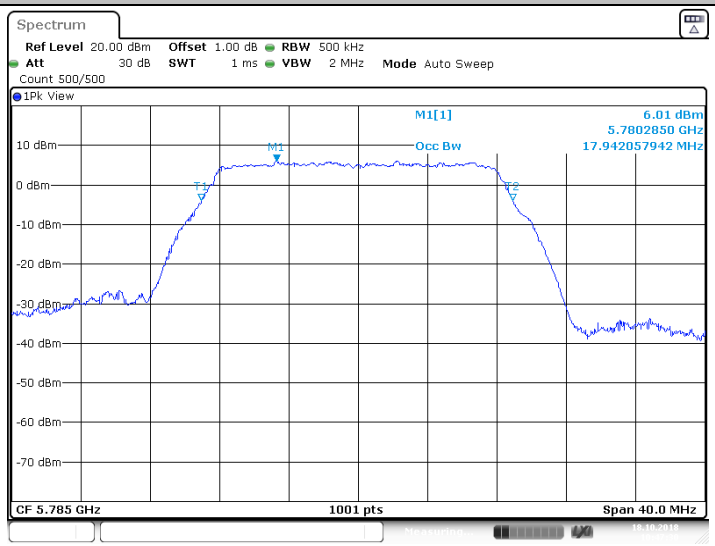
Date: 18.OCT.2018 10:41:13

11A_Ant2_5745



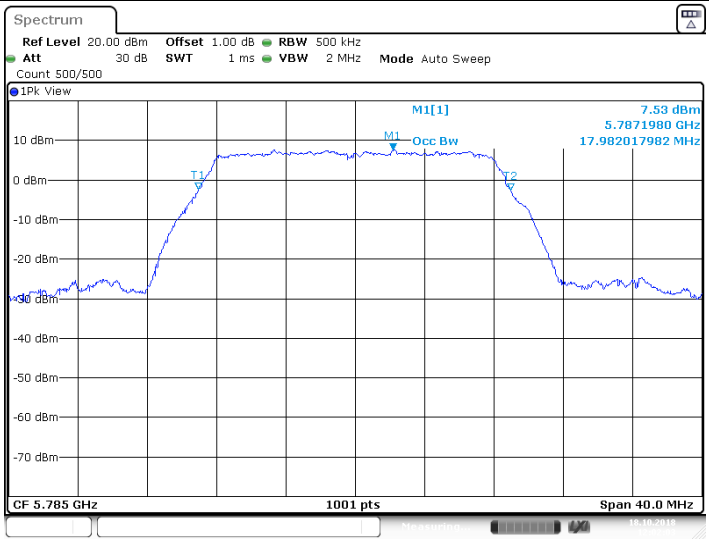
Date: 18.OCT.2018 11:56:07

11A_Ant1_5785



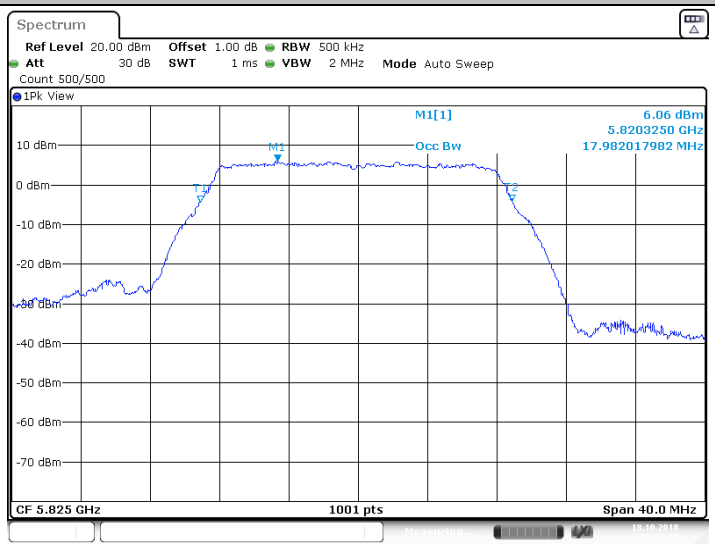
Date: 18.OCT.2018 10:47:31

11A_Ant2_5785



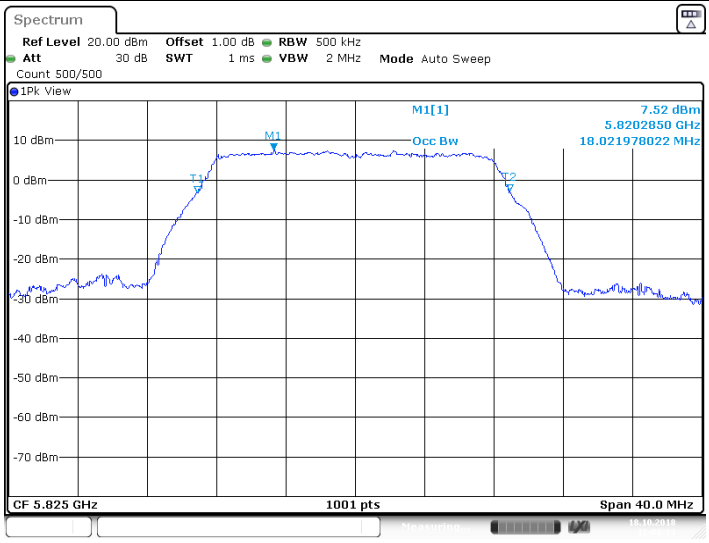
Date: 18.OCT.2018 12:02:04

11A_Ant1_5825



Date: 18.OCT.2018 10:53:02

11A_Ant2_5825



Date: 18.OCT.2018 12:08:13

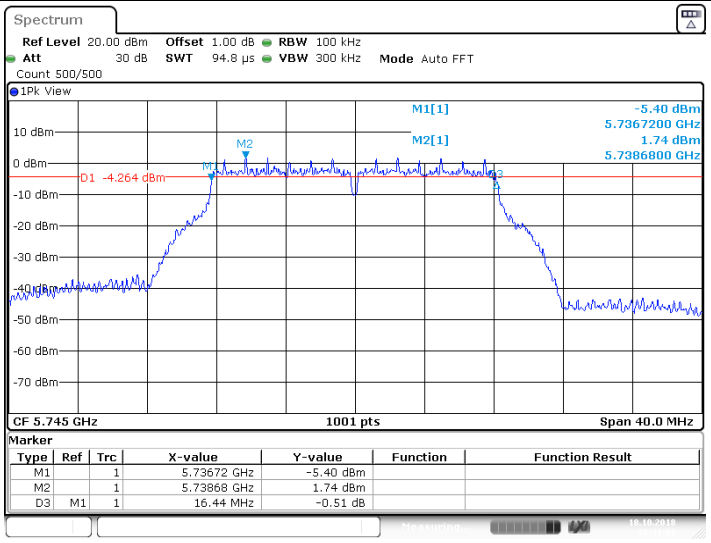
Appendix A3: Min emission bandwidth

Test Result

TestMode	Antenna	Channel	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.440	5736.720	5753.160	0.5	PASS
	Ant2	5745	16.440	5736.720	5753.160	0.5	PASS
	Ant1	5785	16.440	5776.720	5793.160	0.5	PASS
	Ant2	5785	16.440	5776.720	5793.160	0.5	PASS
	Ant1	5825	16.440	5816.720	5833.160	0.5	PASS
	Ant2	5825	16.440	5816.720	5833.160	0.5	PASS

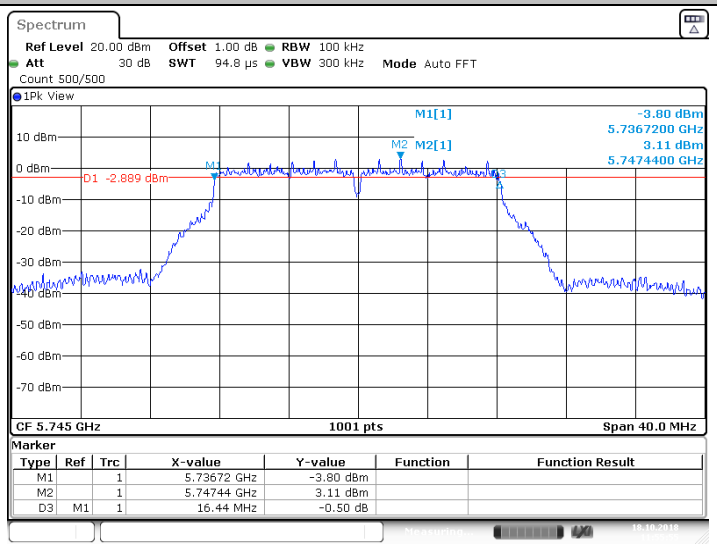
Test Graphs

11A_Ant1_5745



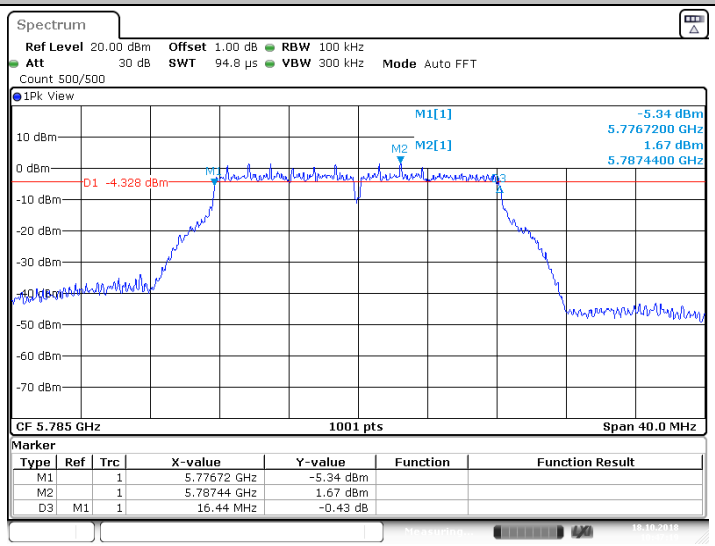
Date: 18.OCT.2018 10:41:02

11A_Ant2_5745

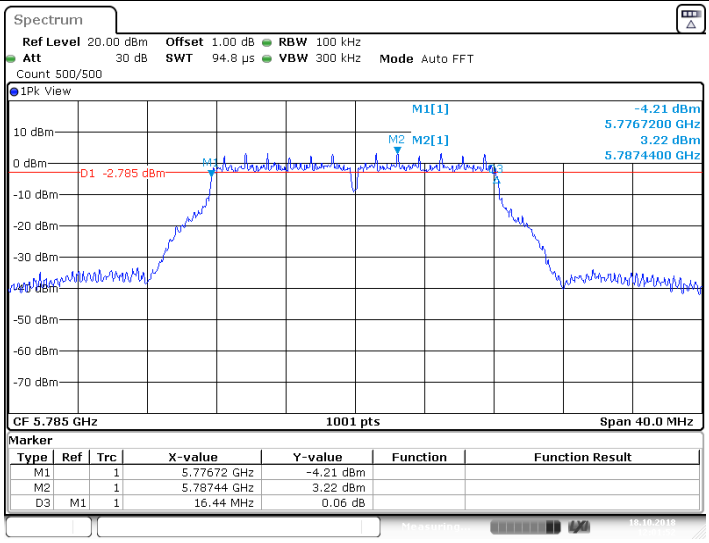


Date: 18.OCT.2018 11:55:56

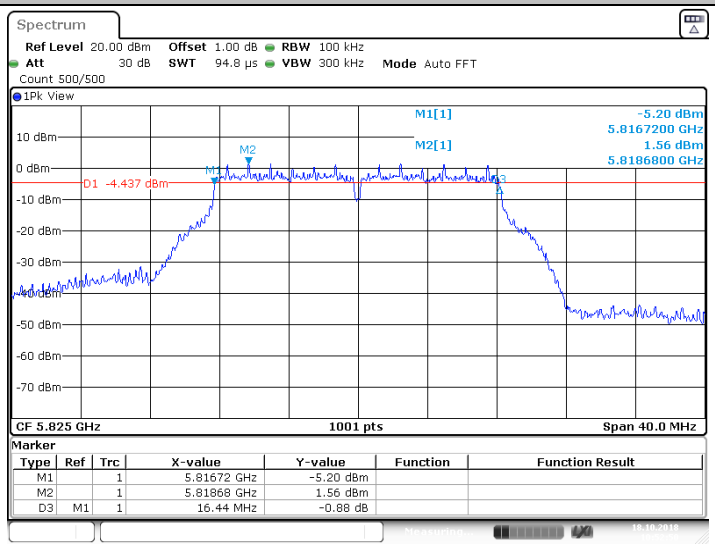
11A_Ant1_5785



11A_Ant2_5785

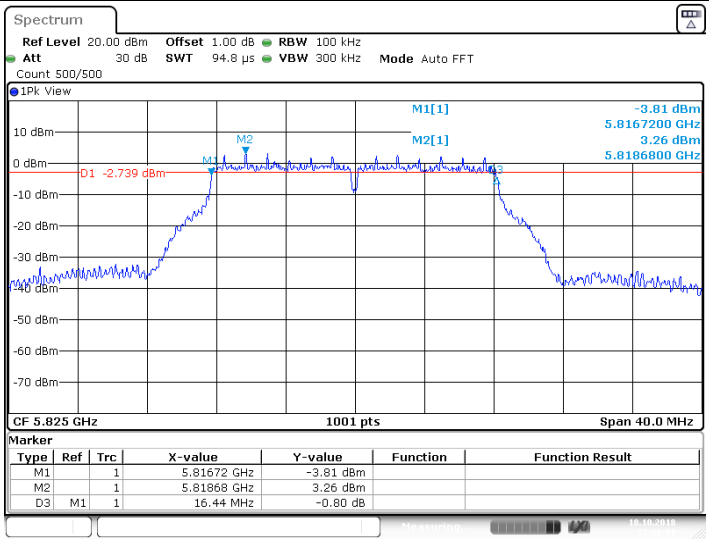


11A_Ant1_5825



Date: 18.OCT.2018 10:52:50

11A_Ant2_5825



Date: 18.OCT.2018 12:08:02

Appendix A4: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result	Limit	Verdict
11A	Ant1	5180	11.20	23.98	PASS
	Ant2	5180	12.70	23.98	PASS
	Ant1	5200	11.00	23.98	PASS
	Ant2	5200	12.70	23.98	PASS
	Ant1	5240	9.30	23.98	PASS
	Ant2	5240	11.30	23.98	PASS
	Ant1	5260	13.20	23.98	PASS
	Ant2	5260	13.80	23.98	PASS
	Ant1	5280	13.60	23.98	PASS
	Ant2	5280	14.20	23.98	PASS
	Ant1	5320	12.10	23.98	PASS
	Ant2	5320	12.80	23.98	PASS
	Ant1	5500	12.70	23.98	PASS
	Ant2	5500	13.20	23.98	PASS
	Ant1	5580	14.10	23.98	PASS
	Ant2	5580	14.50	23.98	PASS
	Ant1	5700	14.40	23.98	PASS
	Ant2	5700	14.50	23.98	PASS
	Ant1	5720	14.40	23.02	PASS
	Ant2	5720	14.70	22.98	PASS
	Ant1	5745	14.70	30	PASS
	Ant2	5745	**15.70**	30	PASS
	Ant1	5785	14.70	30	PASS
	Ant2	5785	15.40	30	PASS
	Ant1	5825	14.80	30	PASS
	Ant2	5825	15.40	30	PASS

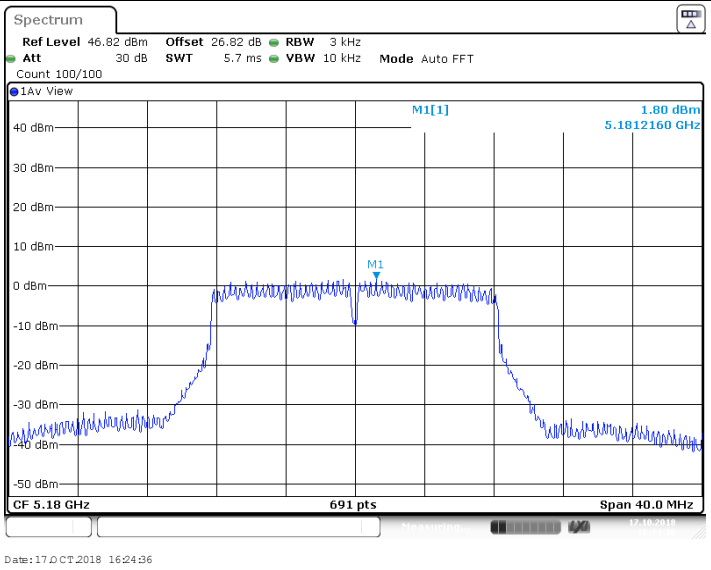
Appendix A5: Maximum power spectral density

Test Result

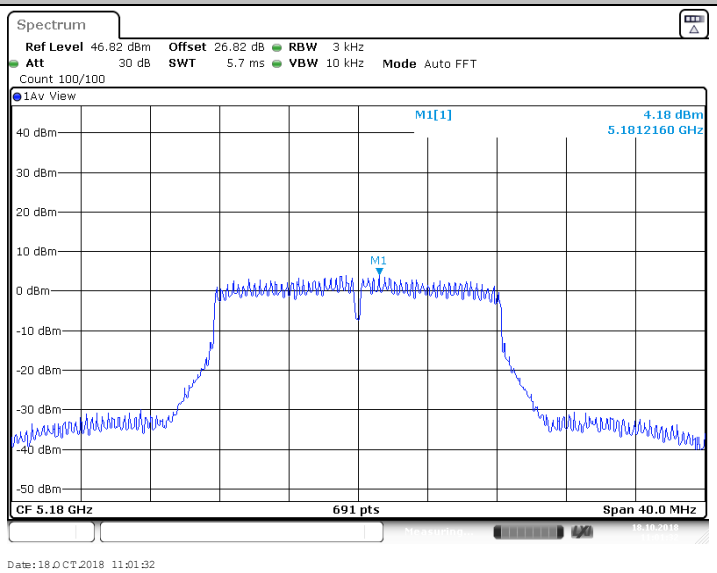
TestMode	Antenna	Channel	Result	Limit	Verdict
11A	Ant1	5180	1.8	11	PASS
	Ant2	5180	4.18	11	PASS
	Ant1	5200	0.92	11	PASS
	Ant2	5200	2.76	11	PASS
	Ant1	5240	1.58	11	PASS
	Ant2	5240	2.79	11	PASS
	Ant1	5260	3.77	11	PASS
	Ant2	5260	4.67	11	PASS
	Ant1	5280	3.32	11	PASS
	Ant2	5280	4.2	11	PASS
	Ant1	5320	3.12	11	PASS
	Ant2	5320	3.92	11	PASS
	Ant1	5500	2.9	11	PASS
	Ant2	5500	3.3	11	PASS
	Ant1	5580	3.92	11	PASS
	Ant2	5580	4.07	11	PASS
	Ant1	5700	4.84	11	PASS
	Ant2	5700	4.96	11	PASS
	Ant1	5720_UNII-2C	4.83	11	PASS
	Ant2	5720_UNII-2C	4.94	11	PASS
	Ant1	5720_UNII-3	1.43	11	PASS
	Ant2	5720_UNII-3	1.5	11	PASS
	Ant1	5745	1.87	30	PASS
	Ant2	5745	3.27	30	PASS
	Ant1	5785	1.9	30	PASS
	Ant2	5785	3.39	30	PASS
	Ant1	5825	1.83	30	PASS
	Ant2	5825	3.2	30	PASS

Test Graphs

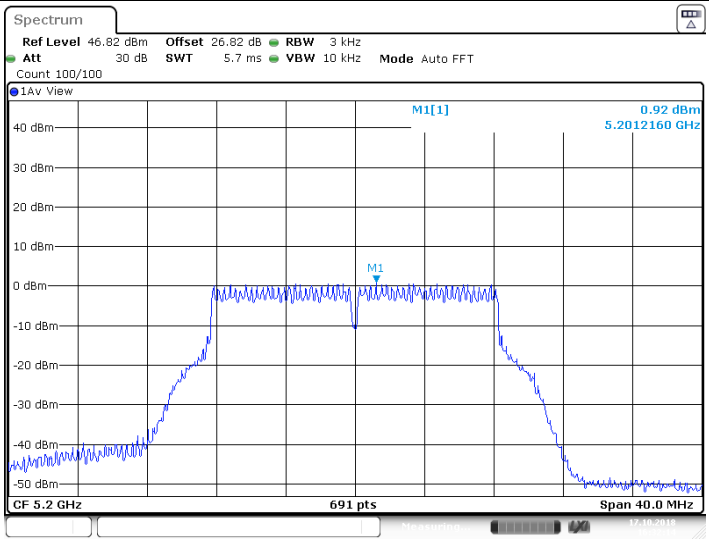
11A_Ant1_5180



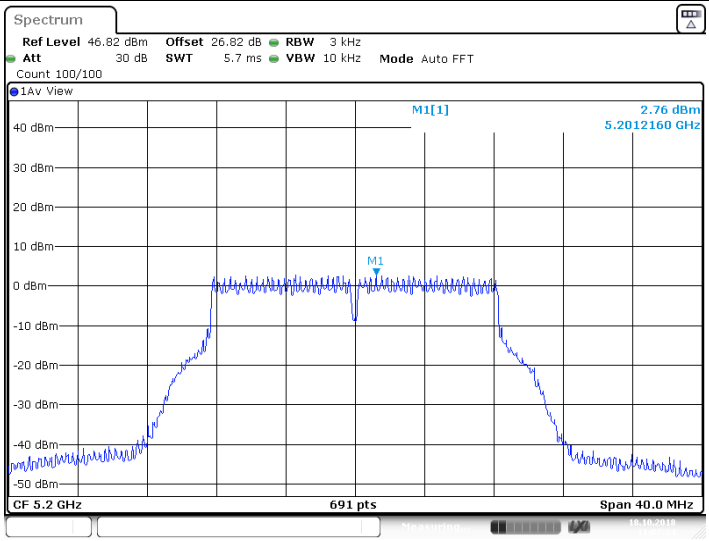
11A_Ant2_5180



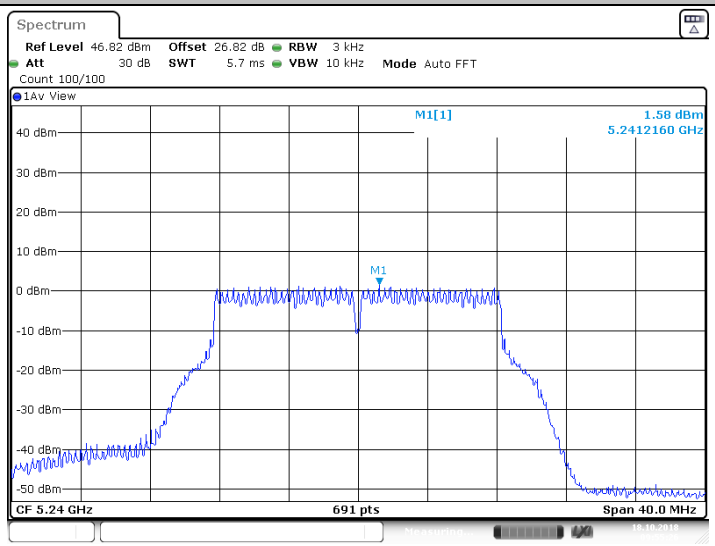
11A_Ant1_5200



11A_Ant2_5200

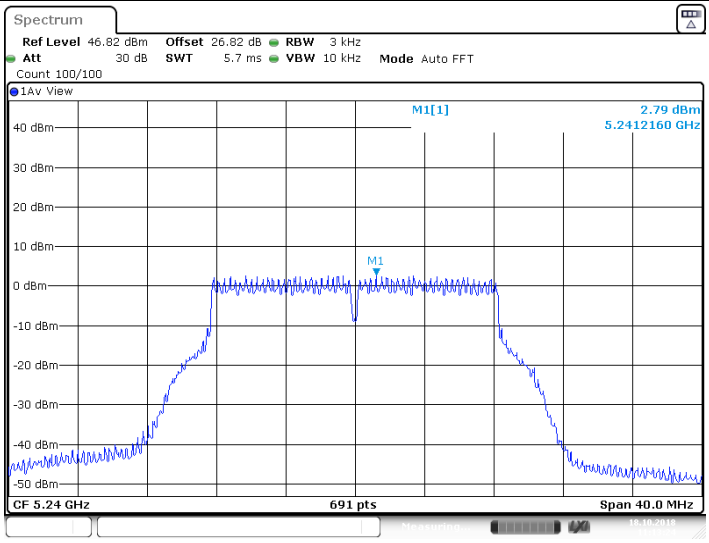


11A_Ant1_5240



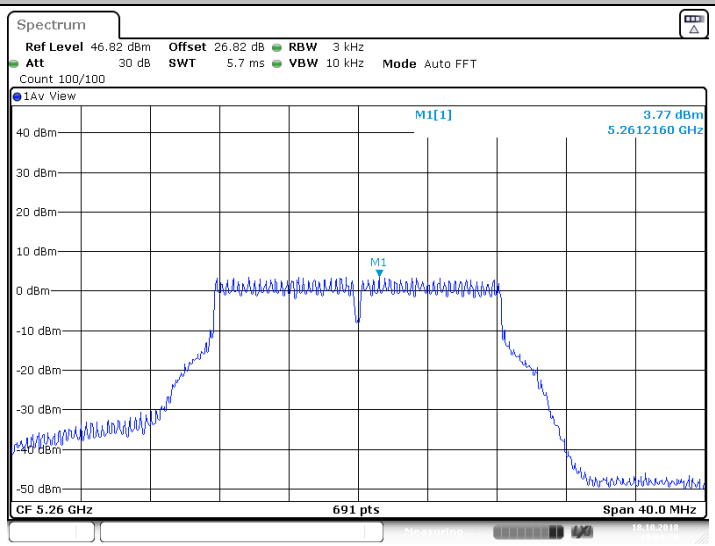
Date: 18.OCT.2018 09:55:27

11A_Ant2_5240

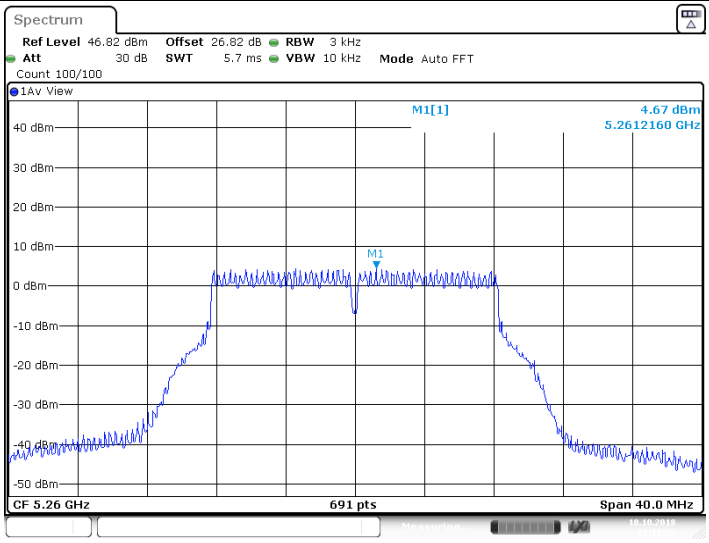


Date: 18.OCT.2018 11:13:24

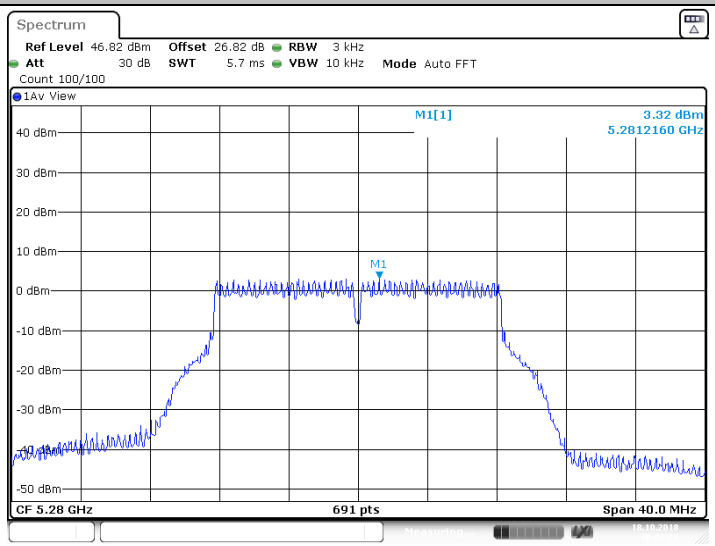
11A_Ant1_5260



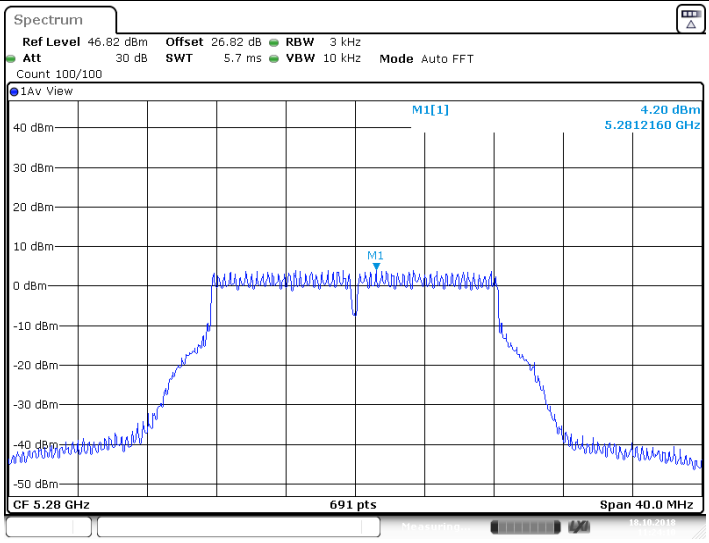
11A_Ant2_5260



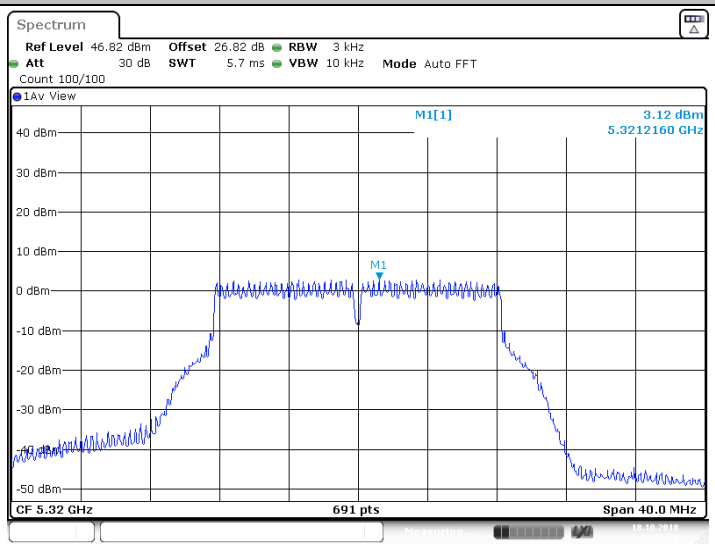
11A_Ant1_5280



11A_Ant2_5280

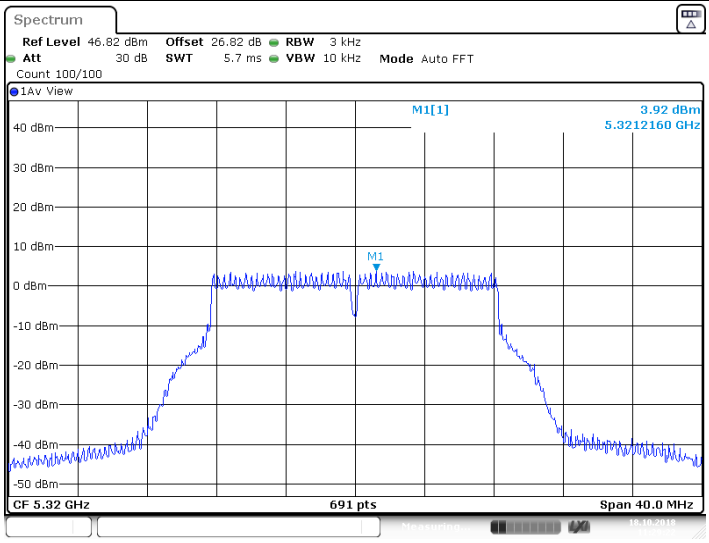


11A_Ant1_5320



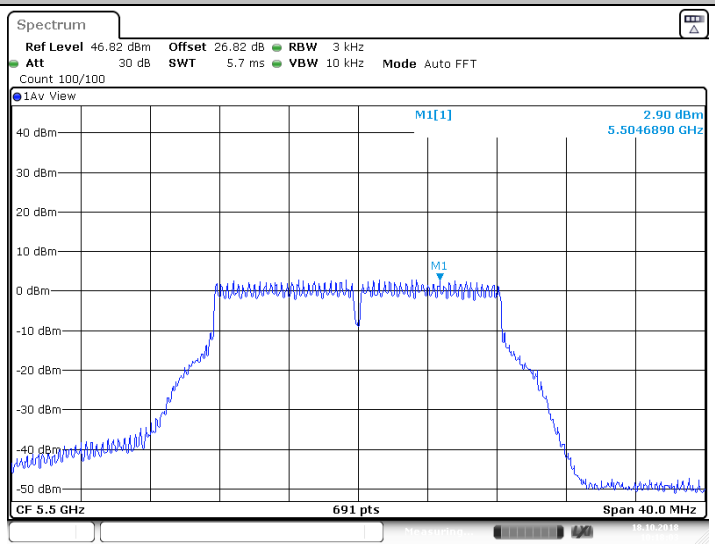
Date: 18.OCT.2018 10:12:30

11A_Ant2_5320



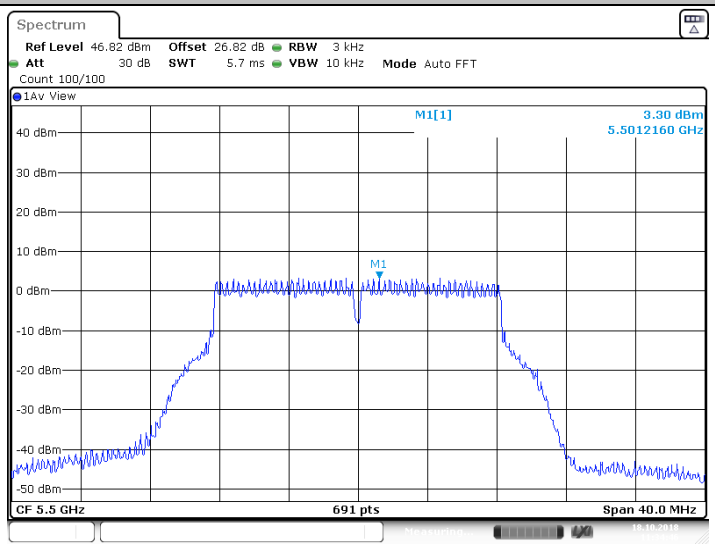
Date: 18.OCT.2018 11:29:22

11A_Ant1_5500



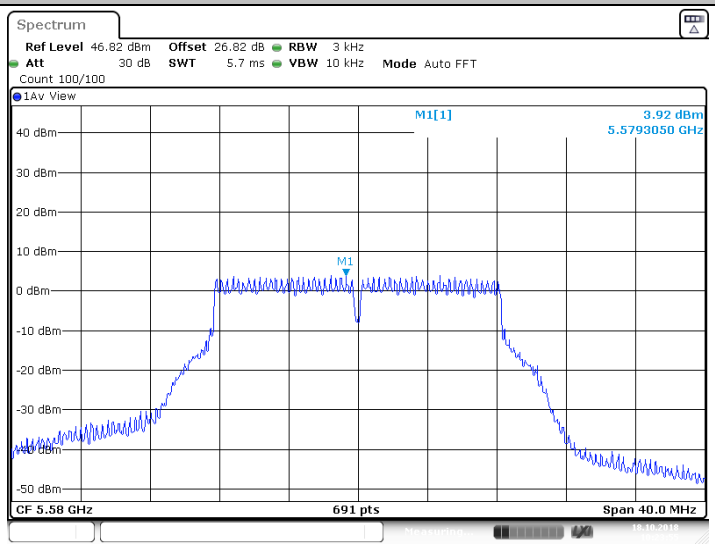
Date: 18.OCT.2018 10:18:03

11A_Ant2_5500

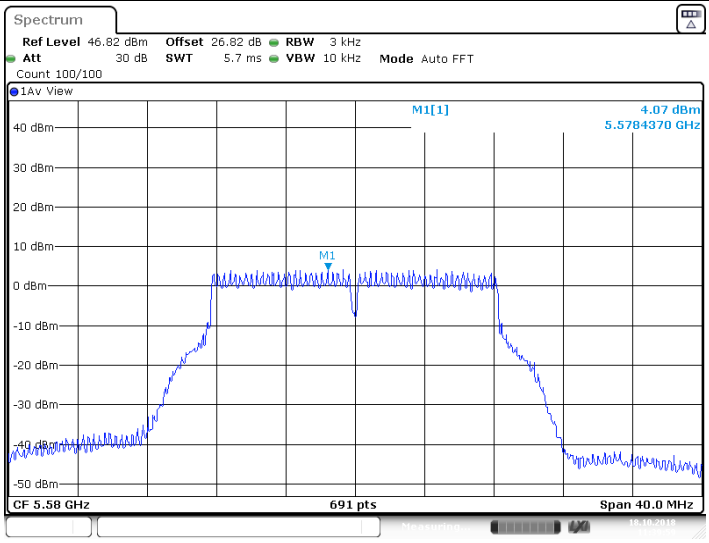


Date: 18.OCT.2018 11:34:46

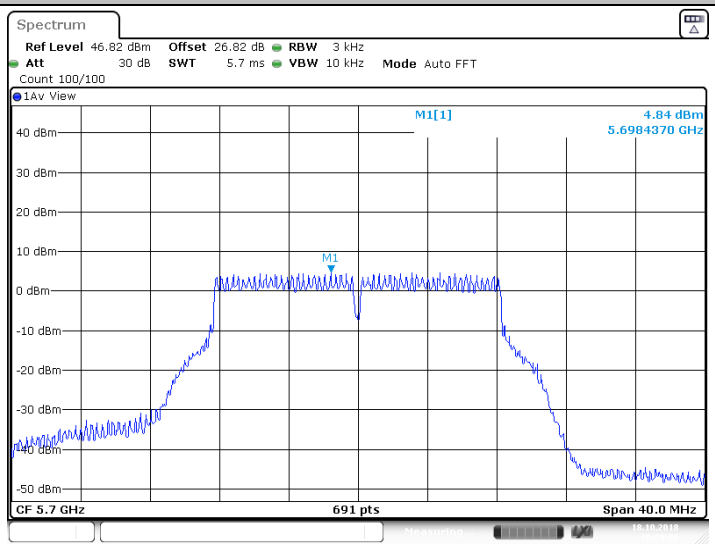
11A_Ant1_5580



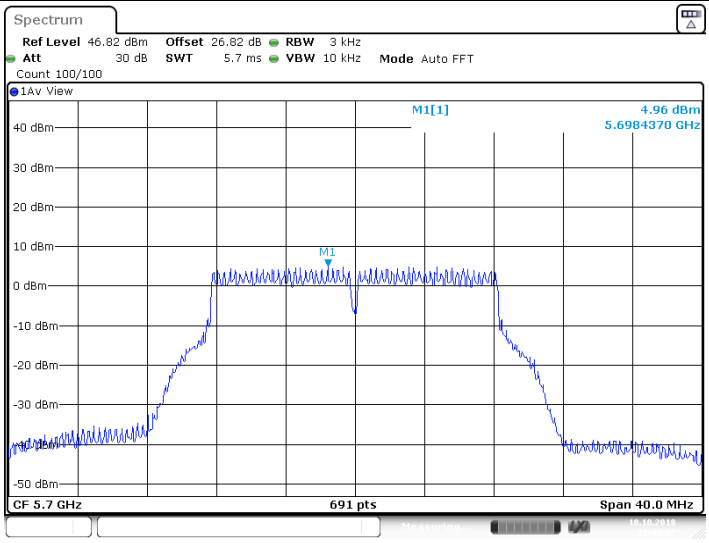
11A_Ant2_5580



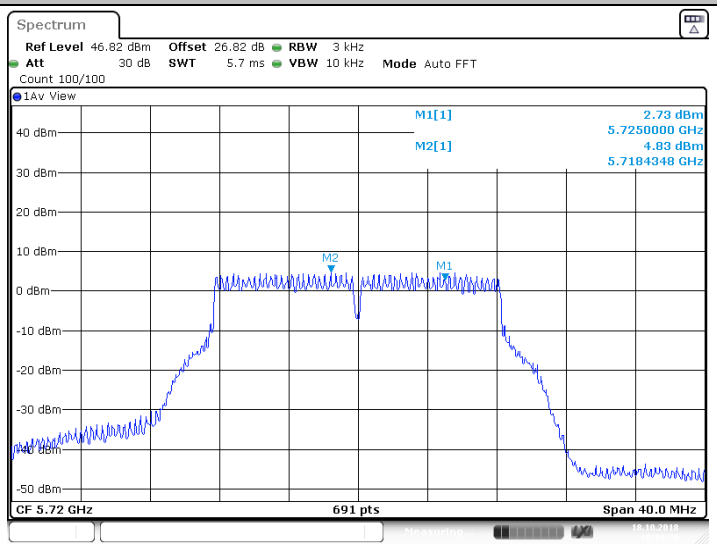
11A_Ant1_5700



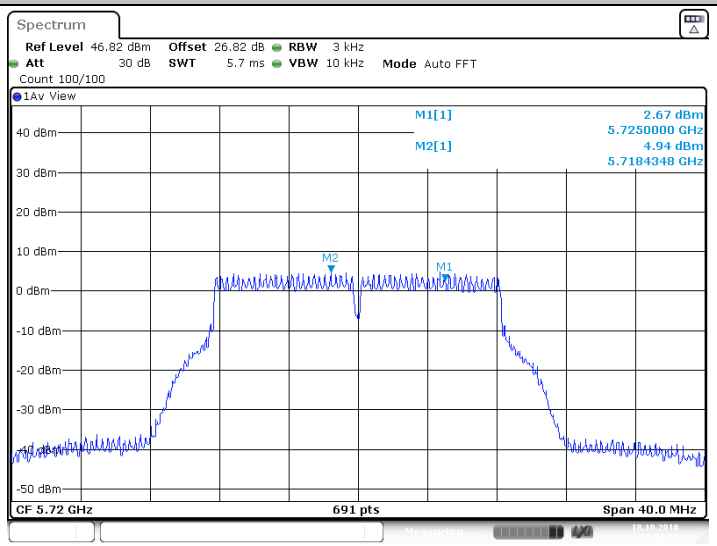
11A_Ant2_5700



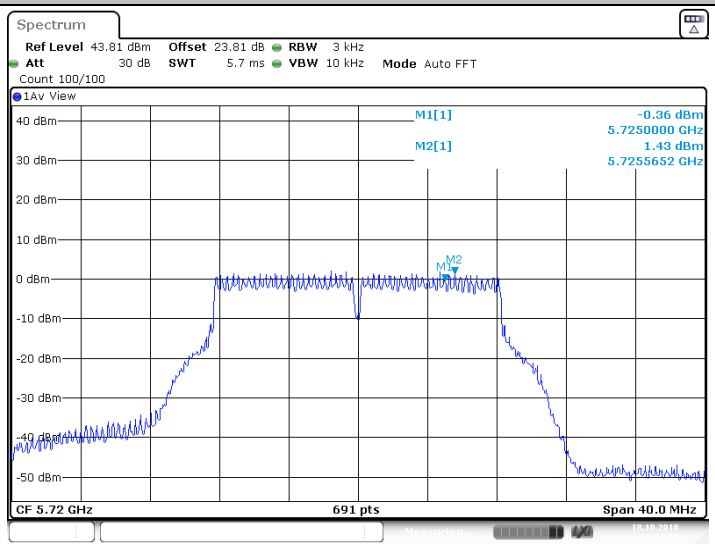
11A_Ant1_5720_UNII-2C



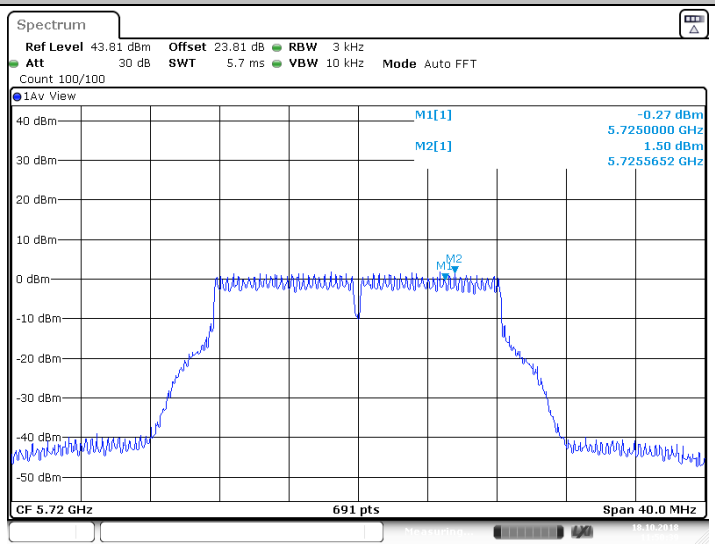
11A_Ant2_5720_UNII-2C



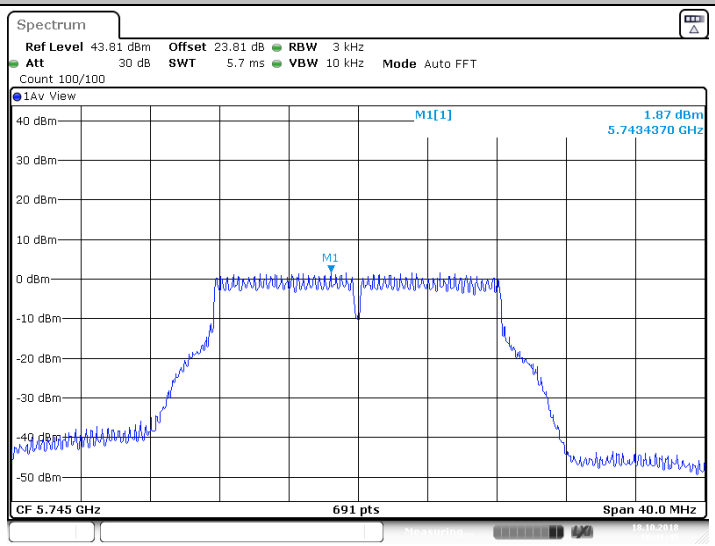
11A_Ant1_5720_UNII-3



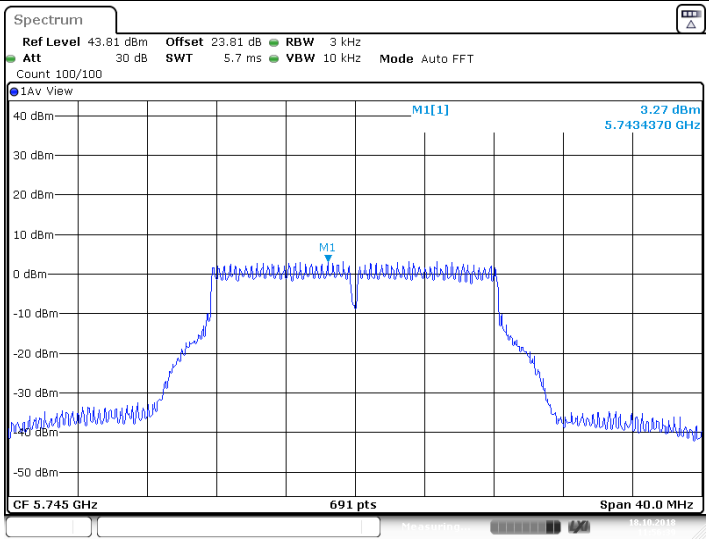
11A_Ant2_5720_UNII-3



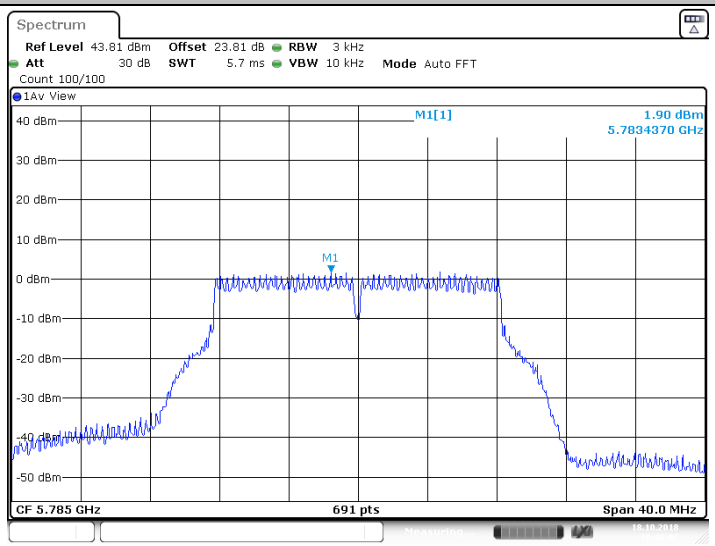
11A_Ant1_5745



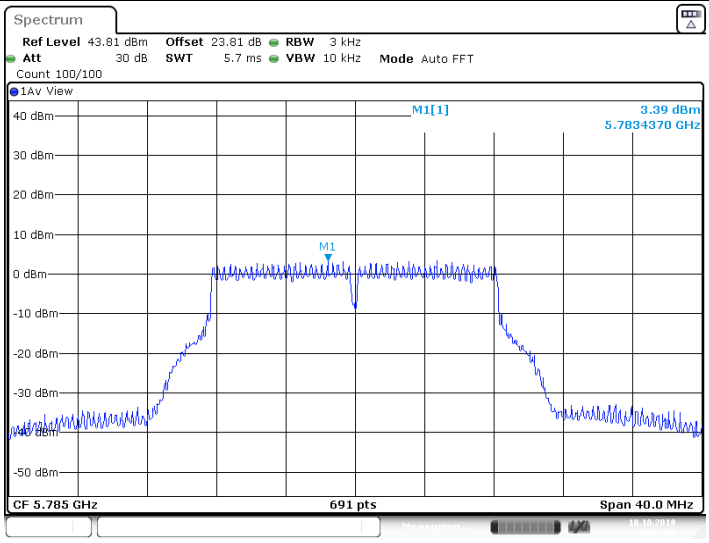
11A_Ant2_5745



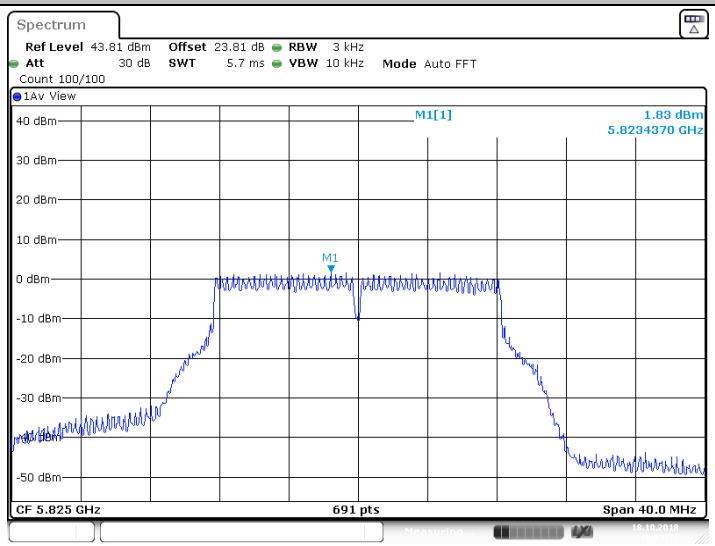
11A_Ant1_5785



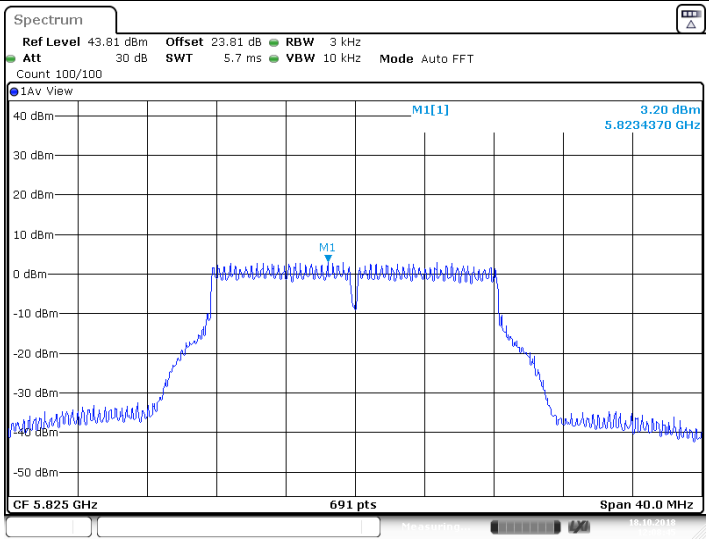
11A_Ant2_5785



11A_Ant1_5825



11A_Ant2_5825



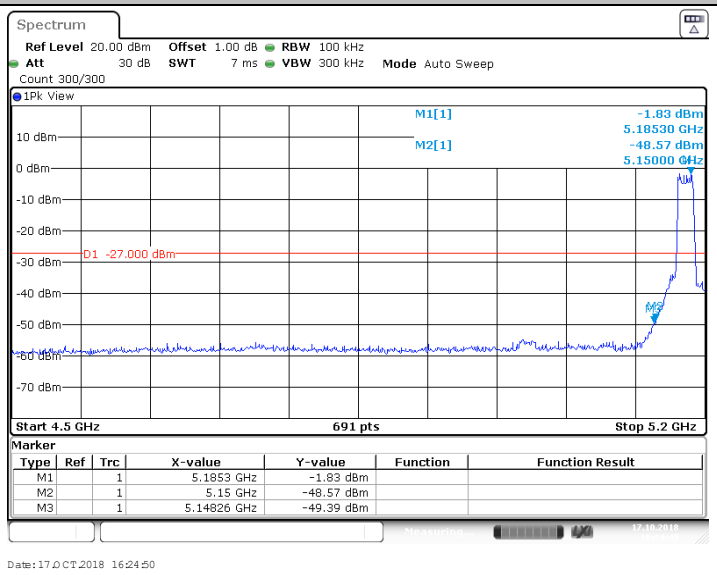
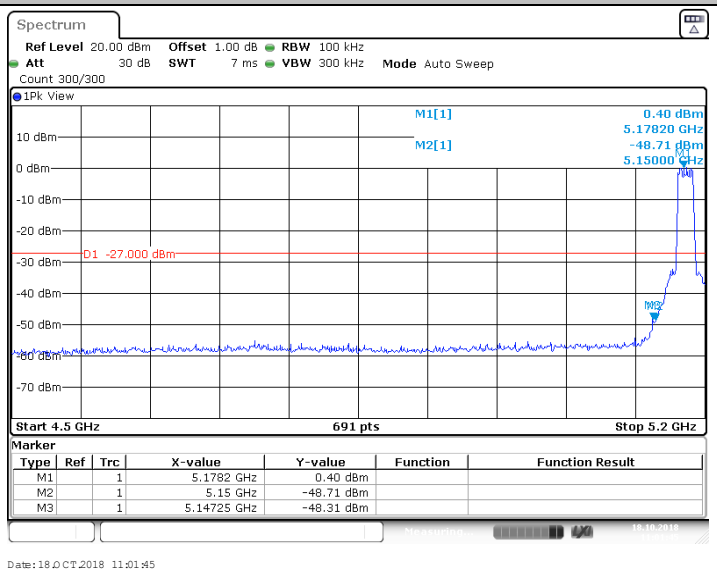
Appendix A6: Band edge measurements

Test Result

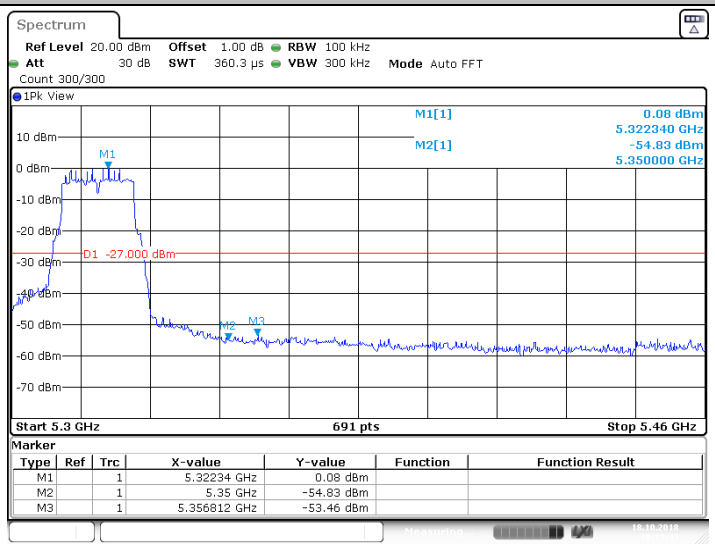
TestMode	Antenna	ChName	Channel	Result	Limit	Verdict
11A	Ant1	Low	5180	-49.39	-27	PASS
	Ant2	Low	5180	-48.31	-27	PASS
	Ant1	High	5320	-53.46	-27	PASS
	Ant2	High	5320	-51.55	-27	PASS
	Ant1	Low	5500	-52.55	-27	PASS
	Ant2	Low	5500	-51.7	-27	PASS
	Ant1	High	5700	-51.45	-27	PASS
	Ant2	High	5700	-49.36	-27	PASS
	Ant1	Low	5720	-56.07	-27	PASS
	Ant2	Low	5720	-55.93	-27	PASS
	Ant1	High	5720	-54.25	-27	PASS
	Ant2	High	5720	-56.18	-27	PASS

TestMode	Antenna	ChName	Channel	FreqRange	Result	Limit	Verdict
11A	Ant1	Low	5745	5650~5700	-51.9	1.24	PASS
		Low	5745	5700~5720	-48.71	15.13	PASS
		Low	5745	5720~5725	-41.75	27.00	PASS
		Low	5745	5760~5650	-56.46	-27	PASS
	Ant2	Low	5745	5650~5700	-50.13	10.00	PASS
		Low	5745	5700~5720	-46.58	15.51	PASS
		Low	5745	5720~5725	-37.85	27.00	PASS
		Low	5745	5760~5650	-55.42	-27	PASS
	Ant1	High	5825	5850~5855	-50.78	15.80	PASS
		High	5825	5855~5875	-51.33	10.49	PASS
		High	5825	5875~5925	-54.05	-26.76	PASS
		High	5825	5925~5935	-56.73	-27	PASS
	Ant2	High	5825	5850~5855	-46.26	20.26	PASS
		High	5825	5855~5875	-48.63	10.05	PASS
		High	5825	5875~5925	-52.52	-22.41	PASS
		High	5825	5925~5935	-56.93	-27	PASS

Test Graphs

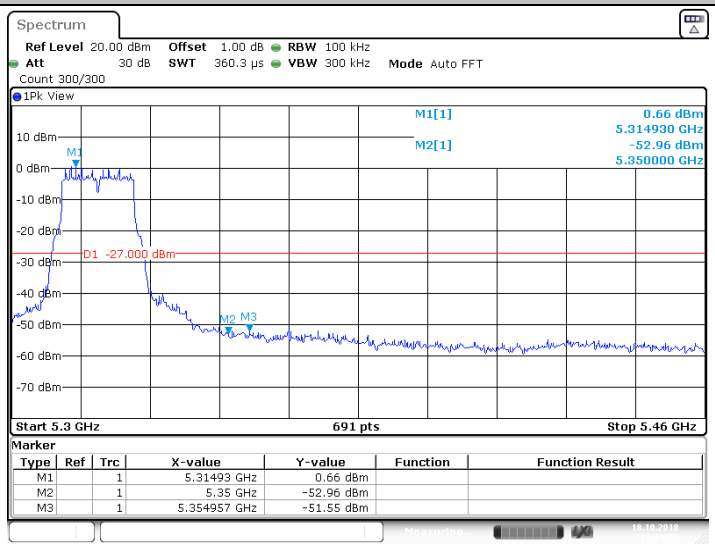
11A_Ant1_Low_5180

11A_Ant2_Low_5180


11A_Ant1_High_5320



Date: 18.OCT.2018 10:12:43

11A_Ant2_High_5320



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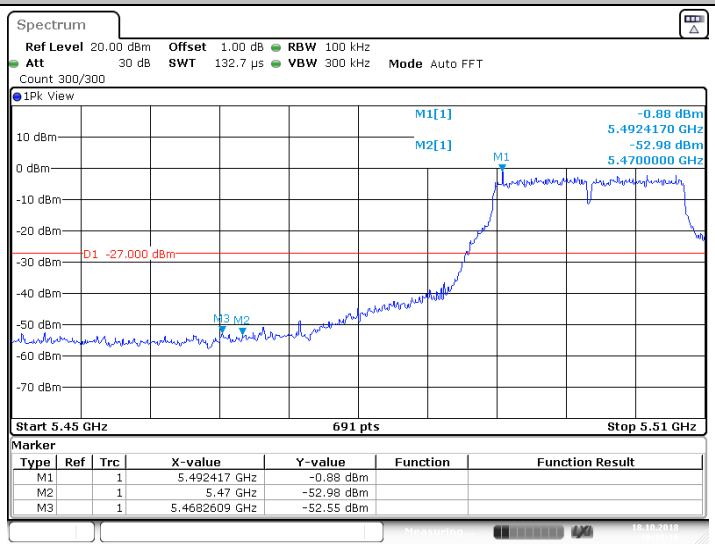
11A_Ant1_Low_5500



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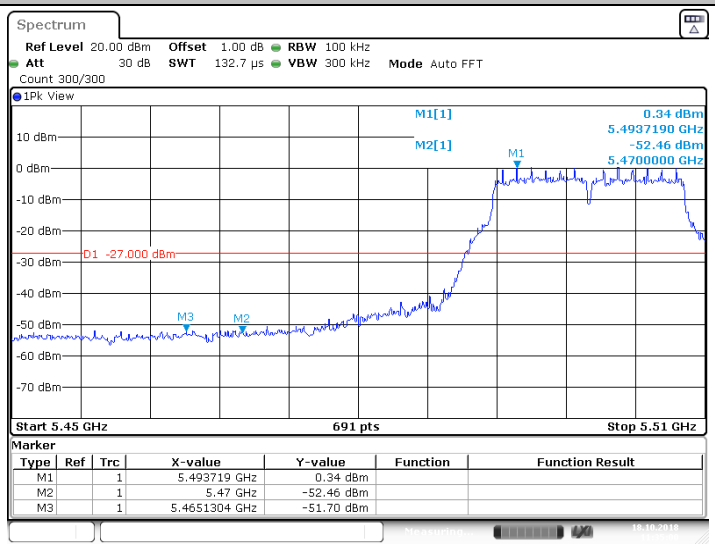
11A_Ant2_Low_5500



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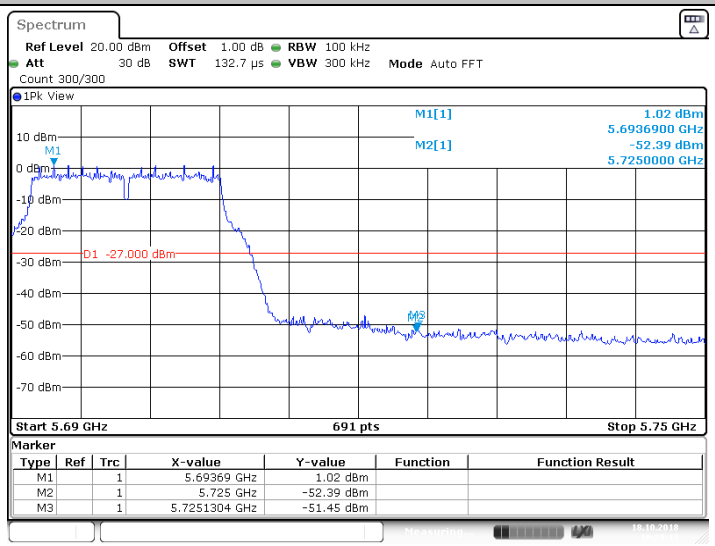
11A_Ant1_High_5700



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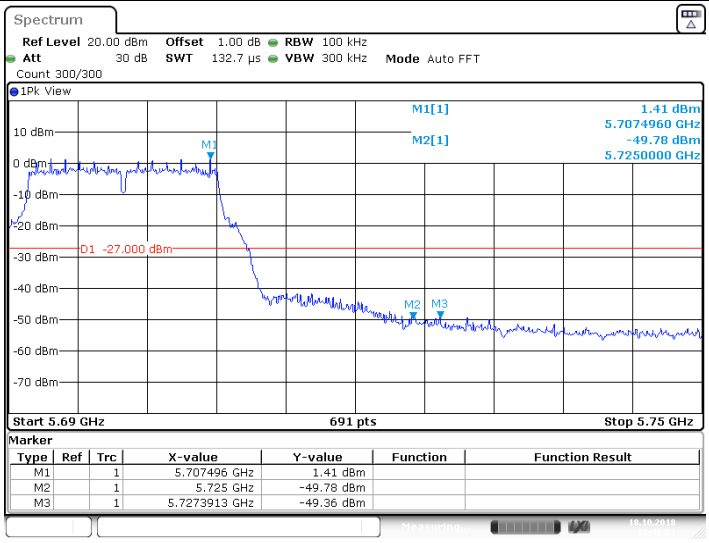
11A_Ant2_High_5700



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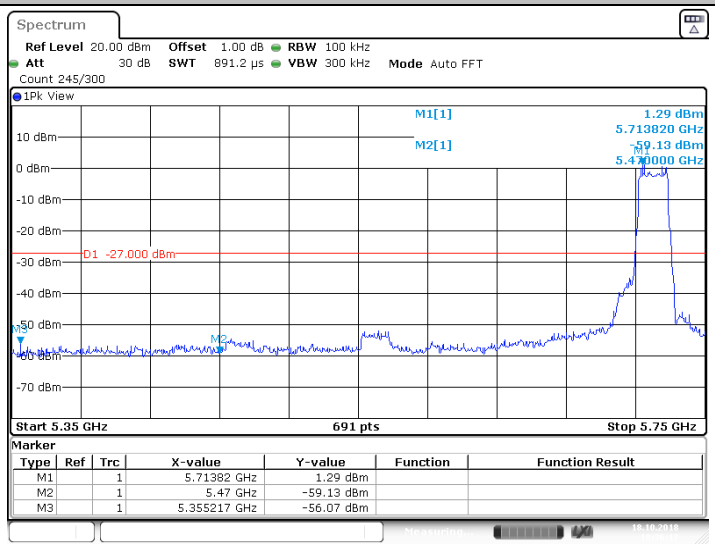
11A_Ant1_Low_5720



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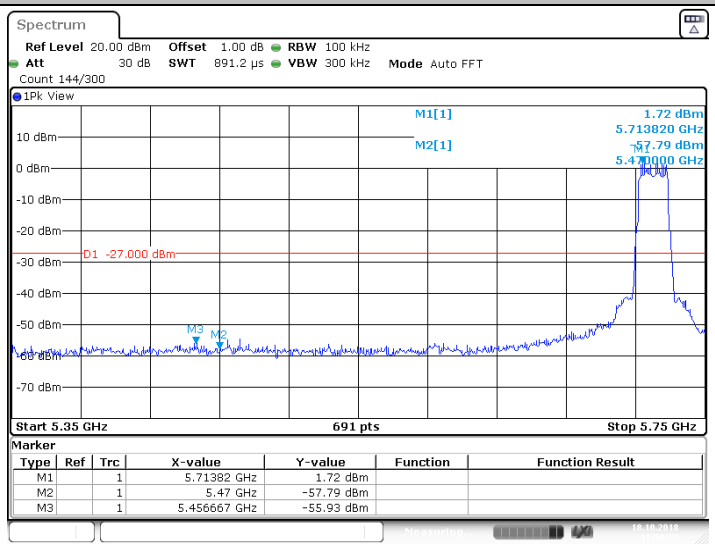
11A_Ant2_Low_5720



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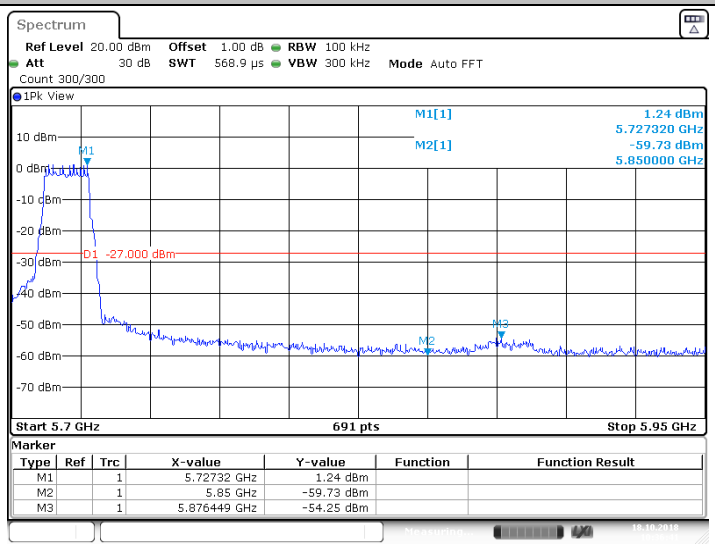
11A_Ant1_High_5720



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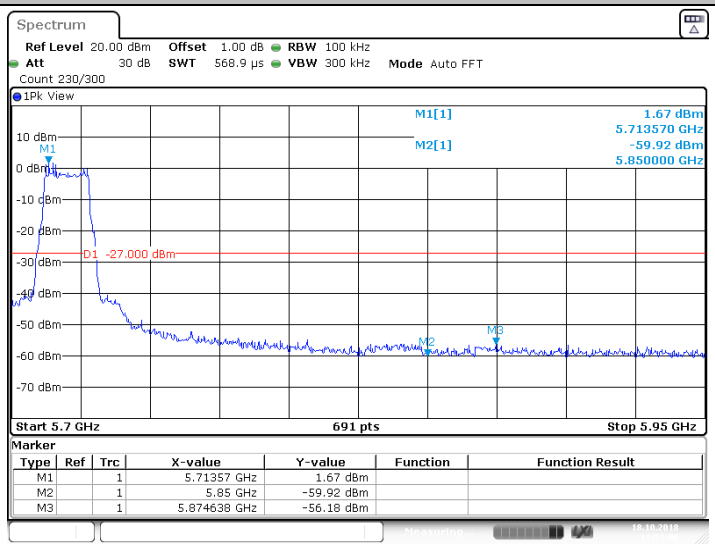
11A_Ant2_High_5720



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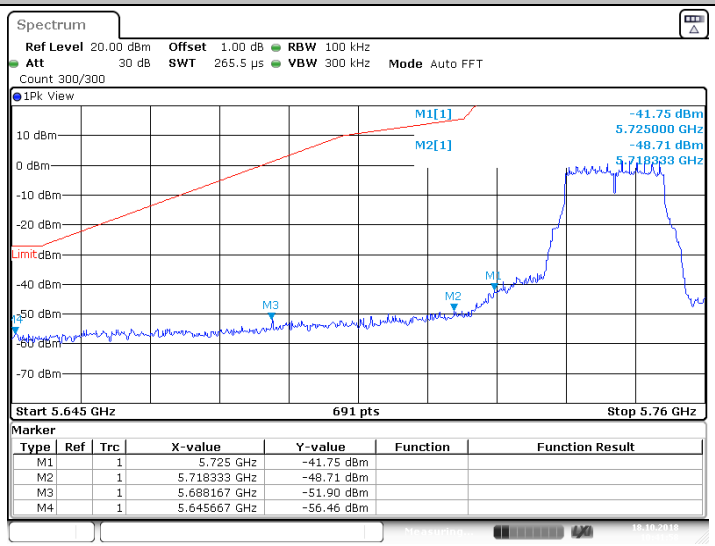
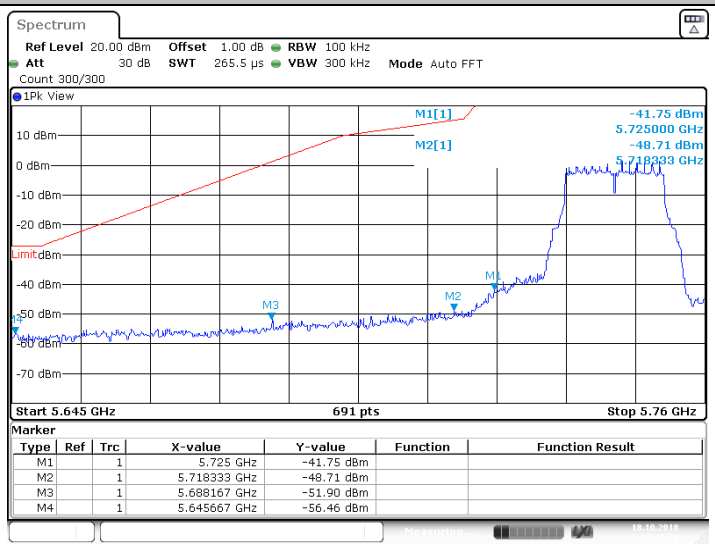
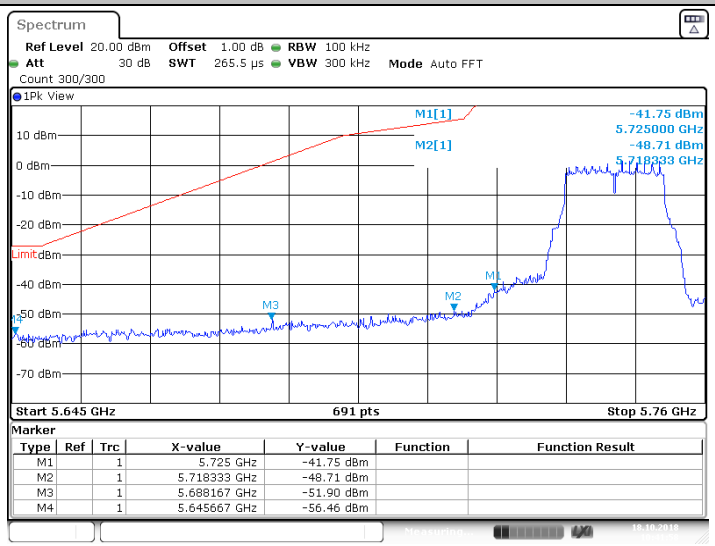
11A_Ant1_Low_5745



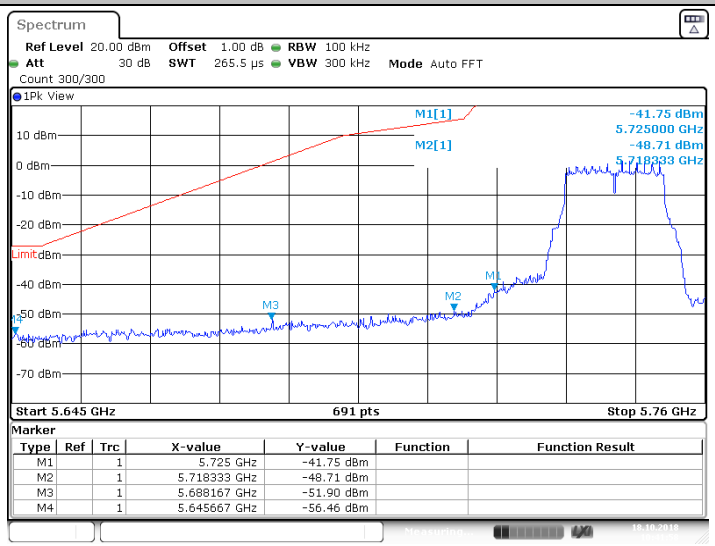
11A_Ant1_Low_5745



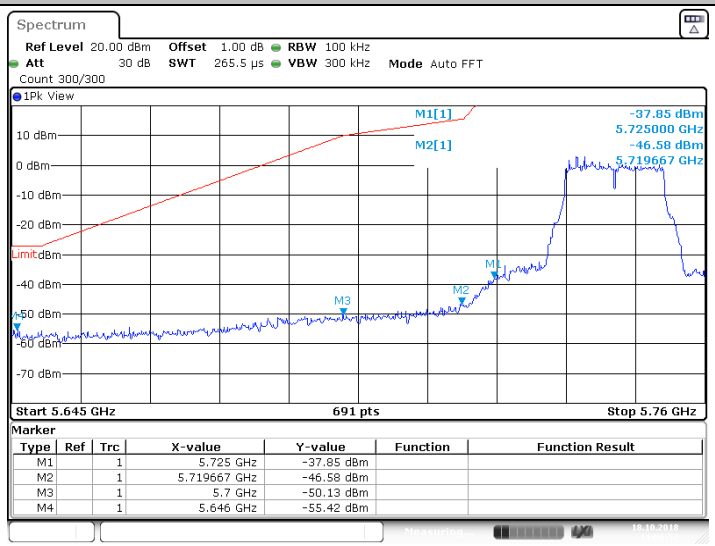
11A_Ant1_Low_5745



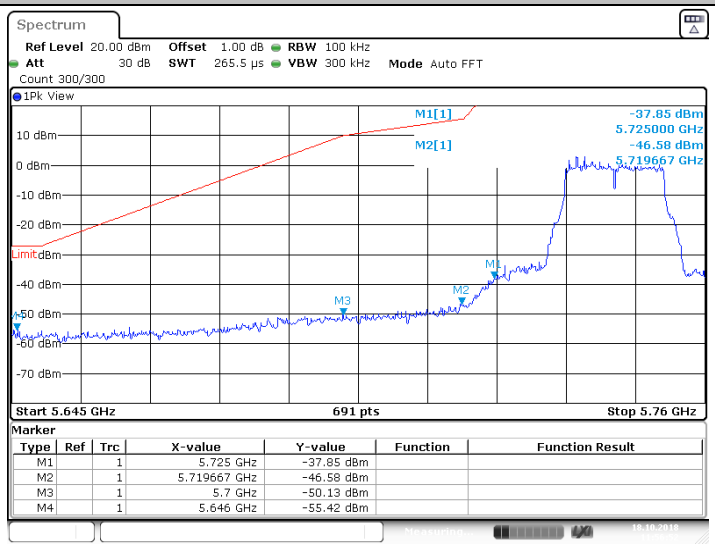
11A_Ant1_Low_5745



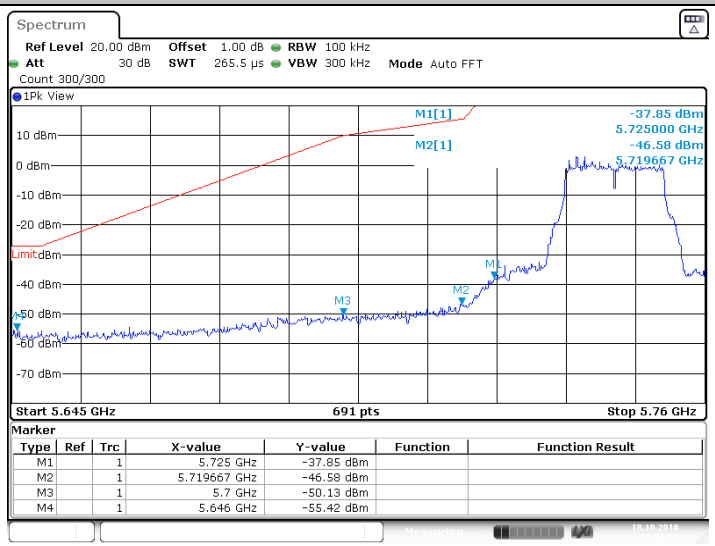
11A_Ant2_Low_5745



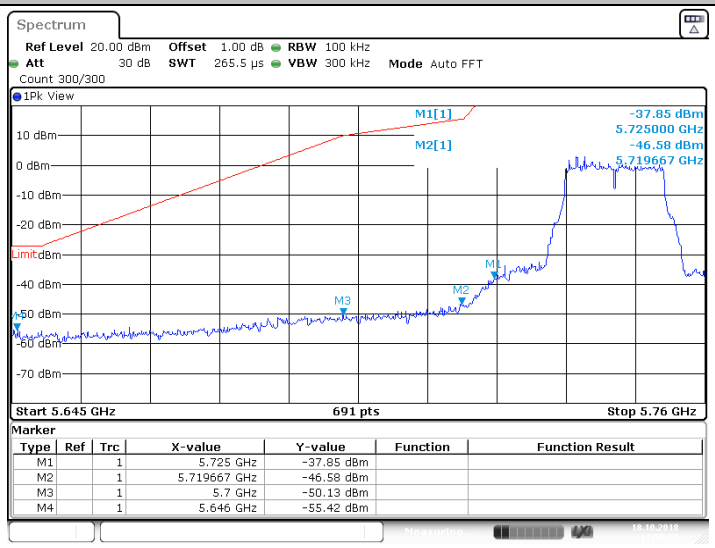
11A_Ant2_Low_5745



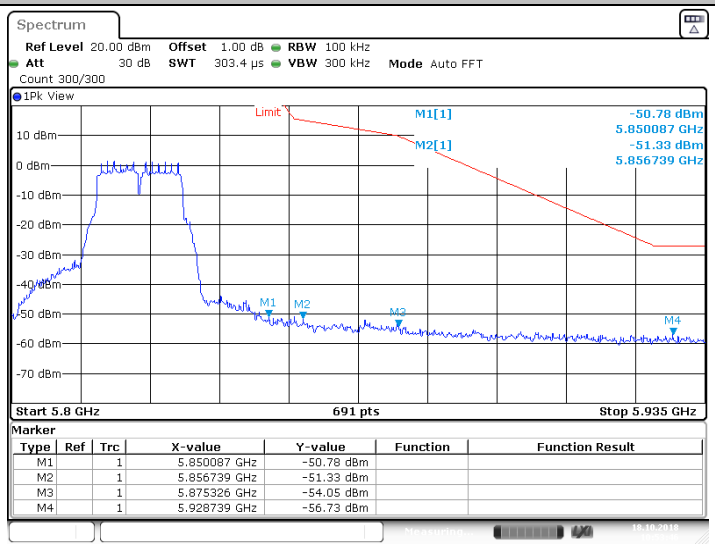
11A_Ant2_Low_5745



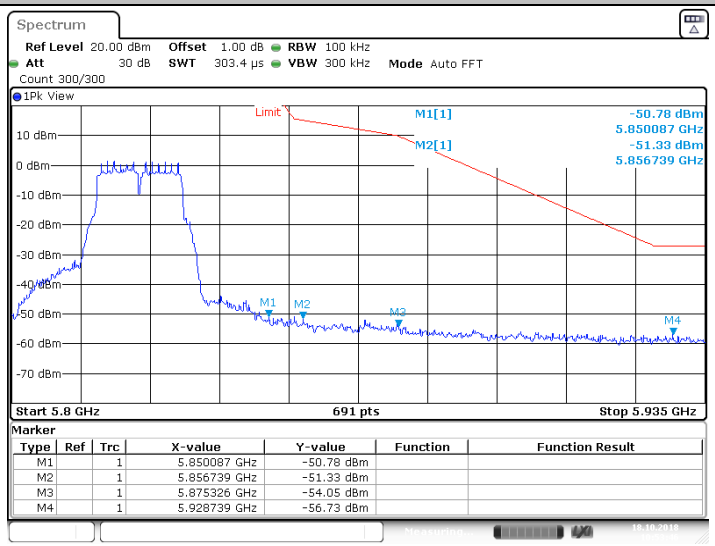
11A_Ant2_Low_5745



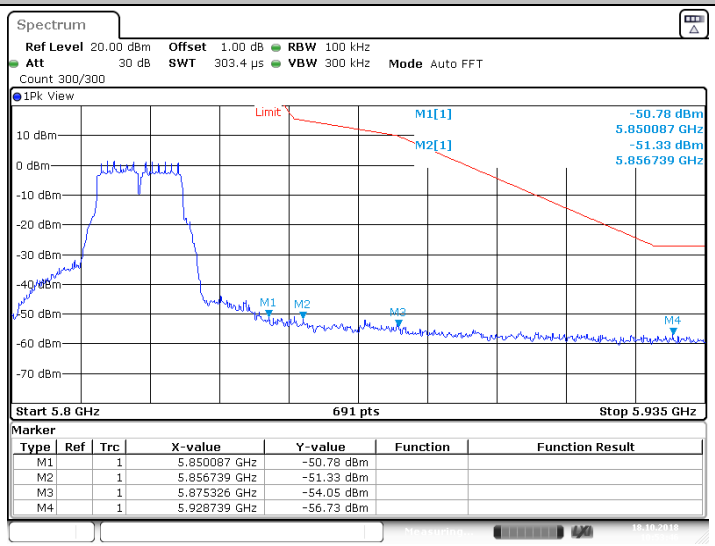
11A_Ant1_High_5825



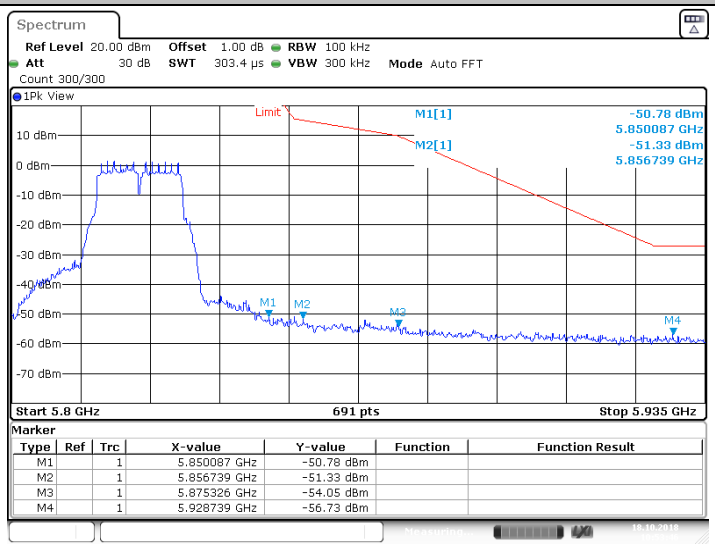
11A_Ant1_High_5825



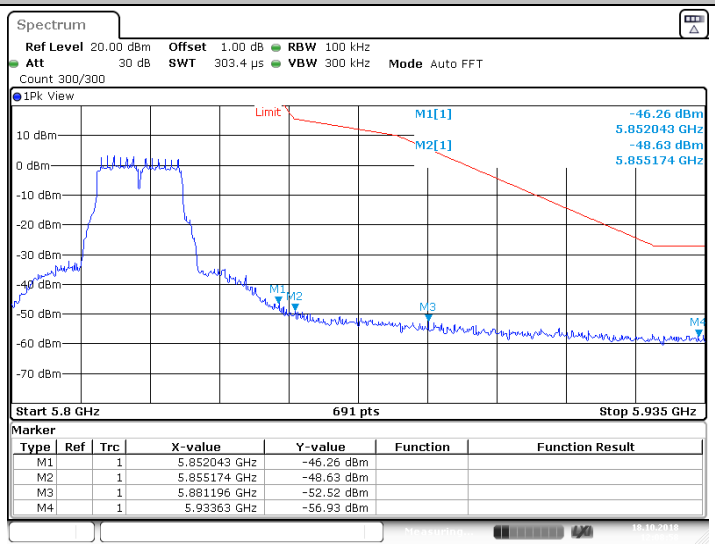
11A_Ant1_High_5825



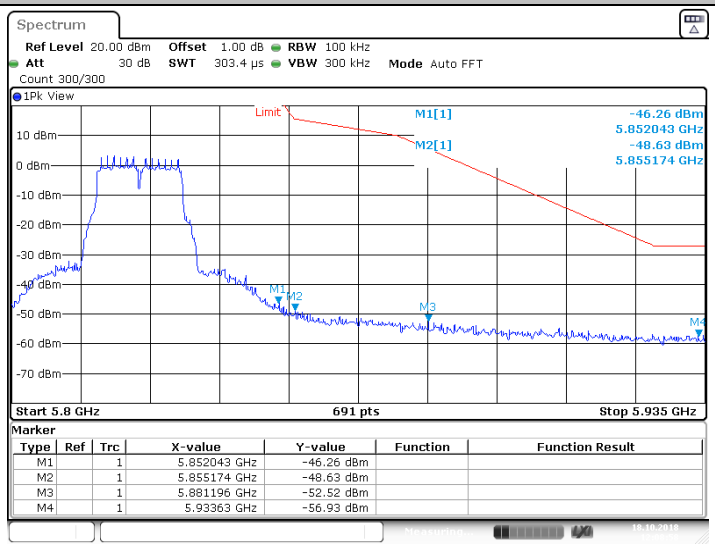
11A_Ant1_High_5825



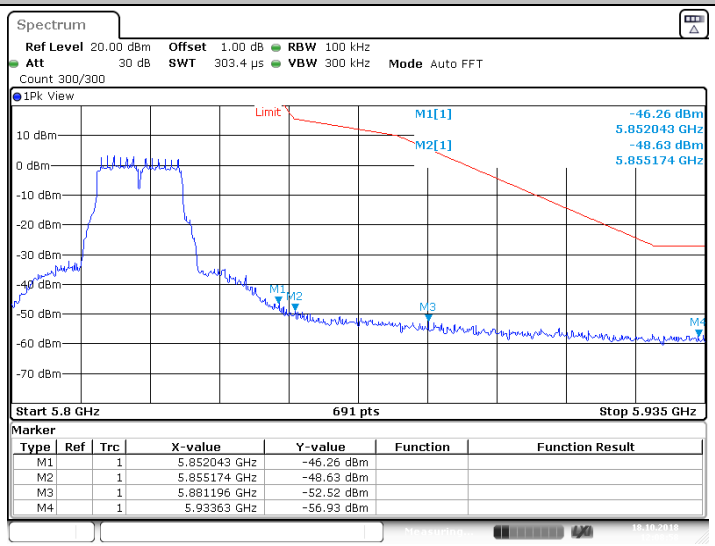
11A_Ant2_High_5825



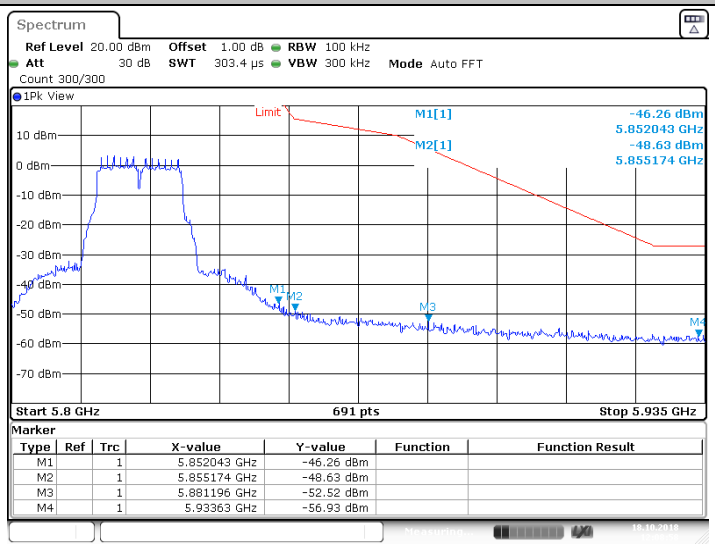
11A_Ant2_High_5825



11A_Ant2_High_5825



11A_Ant2_High_5825



Appendix A7: Conducted Spurious Emission

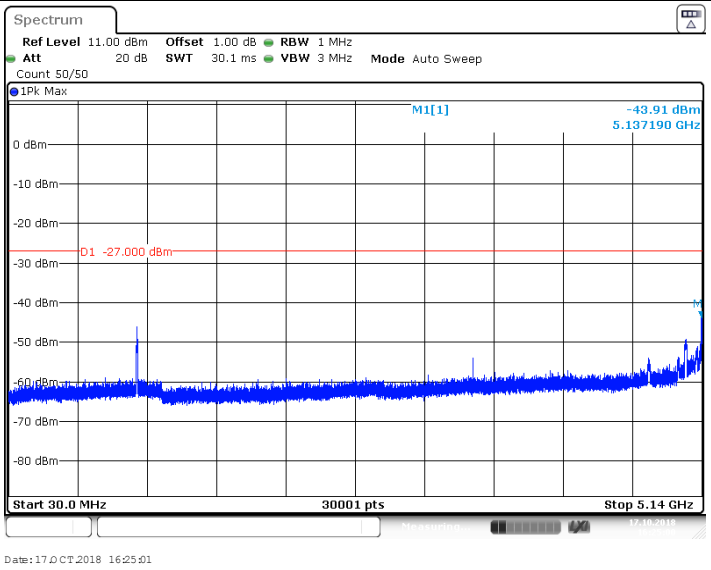
Test Result

TestMode	Antenna	Channel	FreqRange	Max. Fre	Max. Level	Limit	Verdict
11A	Ant1	5180	30~5140	5137.19	-43.91	-27	PASS
		5180	5360~40000	39163.50	-48.43	-27	PASS
	Ant2	5180	30~5140	976.26	-43.19	-27	PASS
		5180	5360~40000	5610.00	-46.67	-27	PASS
	Ant1	5200	30~5140	994.14	-48.03	-27	PASS
		5200	5360~40000	39553.70	-47.6	-27	PASS
	Ant2	5200	30~5140	994.65	-42.86	-27	PASS
		5200	5360~40000	39158.90	-48.4	-27	PASS
	Ant1	5240	30~5140	5083.71	-49.26	-27	PASS
		5240	5360~40000	5406.80	-46.6	-27	PASS
	Ant2	5240	30~5140	1032.46	-45.63	-27	PASS
		5240	5360~40000	5463.30	-48.48	-27	PASS
	Ant1	5260	30~5140	1057.84	-44.1	-27	PASS
		5260	5360~40000	5421.80	-45.33	-27	PASS
	Ant2	5260	30~5140	1055.29	-42.92	-27	PASS
		5260	5360~40000	5481.80	-47.03	-27	PASS
	Ant1	5280	30~5140	1074.70	-46.85	-27	PASS
		5280	5360~40000	5435.60	-44.51	-27	PASS
	Ant2	5280	30~5140	1074.02	-44.5	-27	PASS
		5280	5360~40000	5392.90	-46.6	-27	PASS
	Ant1	5320	30~5140	1114.73	-47.01	-27	PASS
		5320	5360~40000	5487.60	-43.09	-27	PASS
	Ant2	5320	30~5140	1117.97	-46.55	-27	PASS
		5320	5360~40000	5362.90	-45.23	-27	PASS
	Ant1	5500	30~5460	5458.28	-45.87	-27	PASS
		5500	5735~40000	39467.20	-48.03	-27	PASS
	Ant2	5500	30~5460	5454.12	-44.51	-27	PASS
		5500	5735~40000	39420.40	-48.21	-27	PASS
	Ant1	5580	30~5460	5421.36	-46.77	-27	PASS
		5580	5735~40000	39494.60	-47.98	-27	PASS
	Ant2	5580	30~5460	5459.00	-50.58	-27	PASS
		5580	5735~40000	39423.80	-48.05	-27	PASS
	Ant1	5700	30~5460	5457.19	-48.23	-27	PASS
		5700	5735~40000	5741.30	-46.61	-27	PASS
	Ant2	5700	30~5460	5458.64	-50.34	-27	PASS
		5700	5735~40000	5739.00	-41.09	-27	PASS
	Ant1	5720	30~5460	5238.55	-51.92	-27	PASS
		5720	5925~40000	39123.70	-48.7	-27	PASS

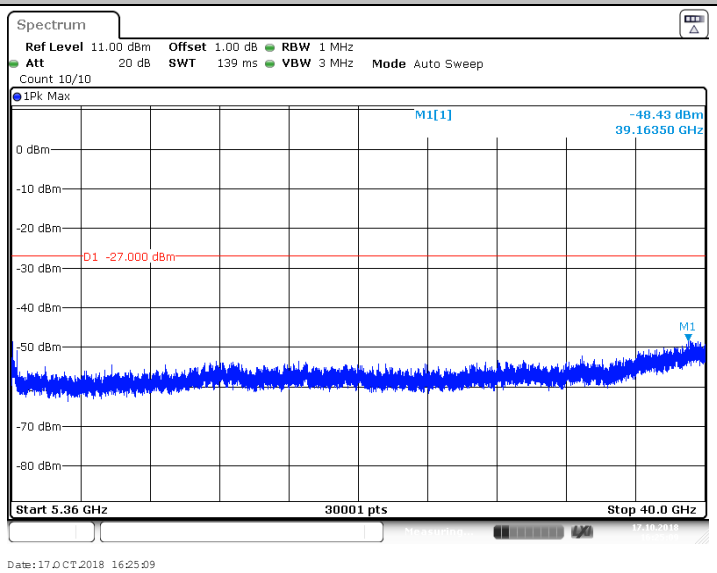
	Ant2	5720	30~5460	1518.04	-51.17	-27	PASS
		5720	5925~40000	39450.80	-48.15	-27	PASS
	Ant1	5745	30~5650	5577.79	-42.82	-27	PASS
		5745	5925~40000	39478.10	-47.98	-27	PASS
	Ant2	5745	30~5650	5322.83	-46.22	-27	PASS
		5745	5925~40000	5950.60	-47.89	-27	PASS
	Ant1	5785	30~5650	5622.93	-42.54	-27	PASS
		5785	5925~40000	39445.20	-48.07	-27	PASS
	Ant2	5785	30~5650	1579.85	-49.06	-27	PASS
		5785	5925~40000	39683.70	-47.68	-27	PASS
	Ant1	5825	30~5650	5578.72	-47.71	-27	PASS
		5825	5925~40000	39442.90	-48.4	-27	PASS
	Ant2	5825	30~5650	5586.78	-49.4	-27	PASS
		5825	5925~40000	39723.40	-48.07	-27	PASS

Test Graphs

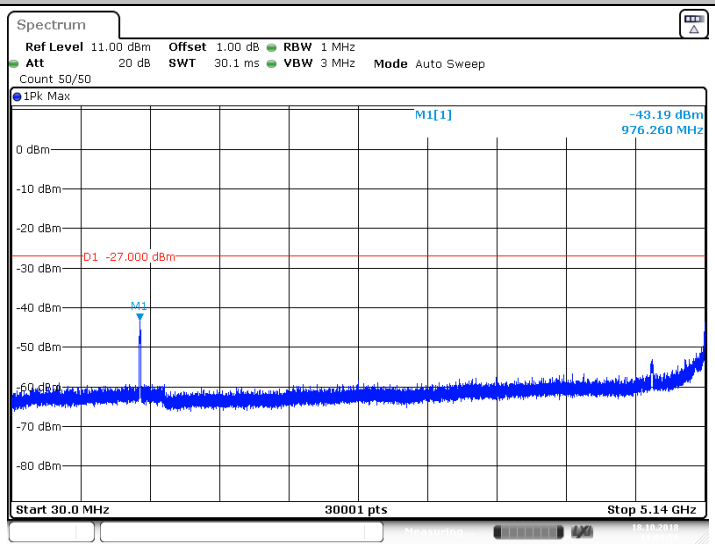
11A_Ant1_5180_30~5140



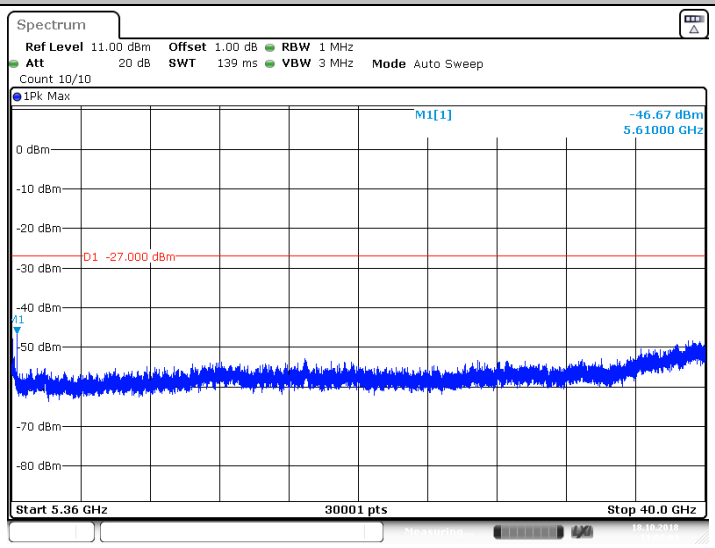
11A_Ant1_5180_5360~40000



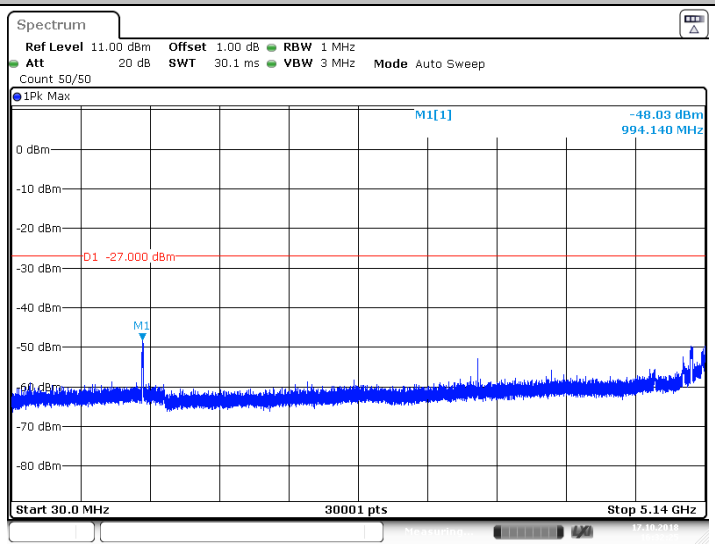
11A_Ant2_5180_30~5140



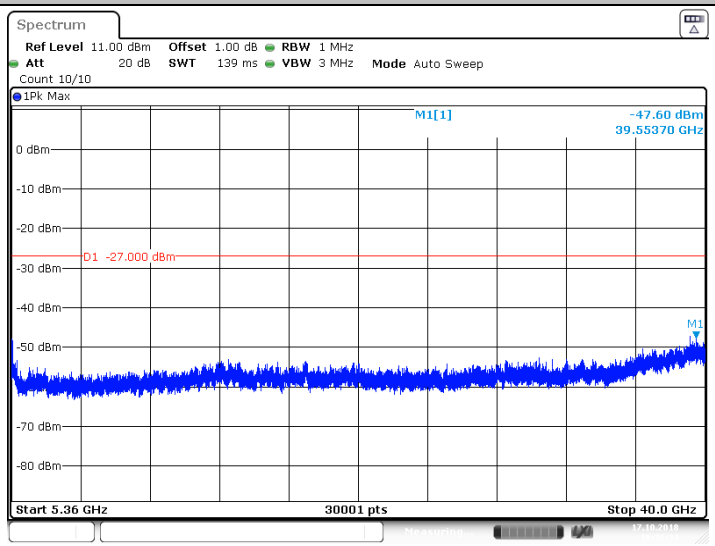
11A_Ant2_5180_5360~40000



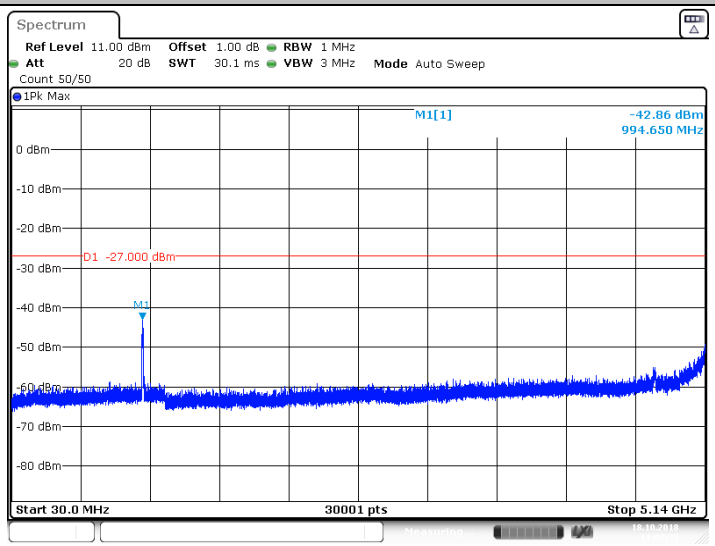
11A_Ant1_5200_30~5140



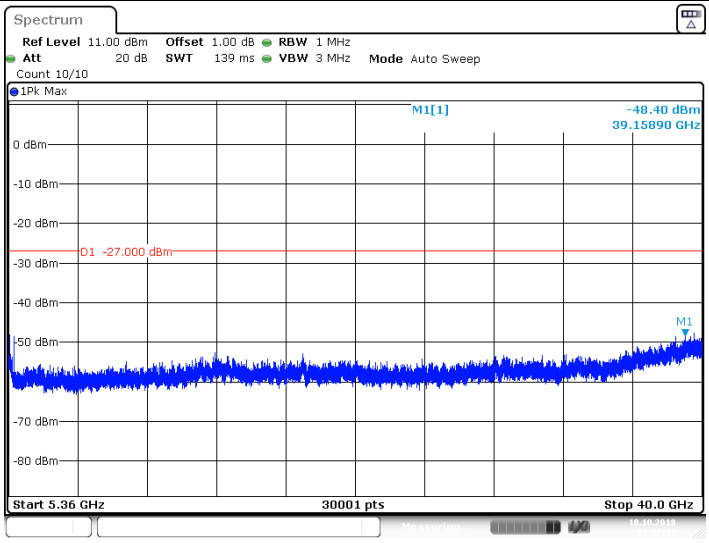
11A_Ant1_5200_5360~40000



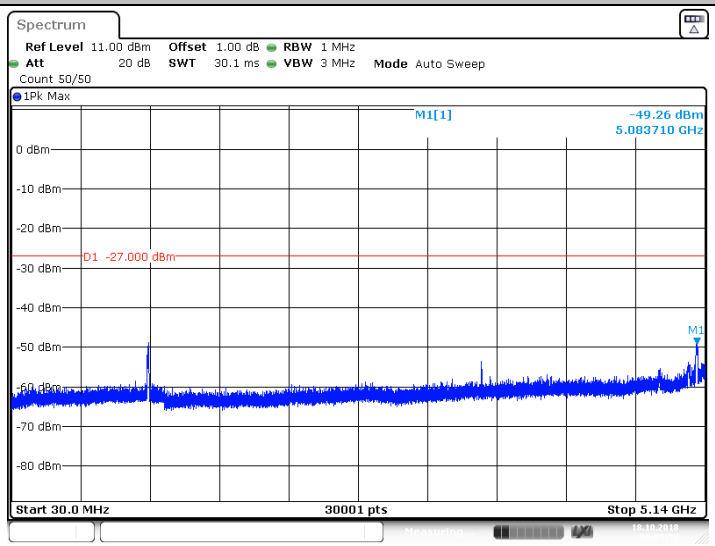
11A_Ant2_5200_30~5140



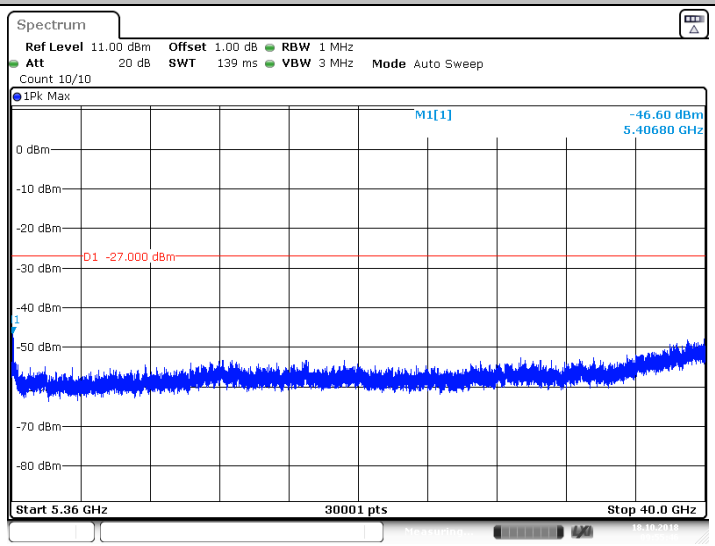
11A_Ant2_5200_5360~40000



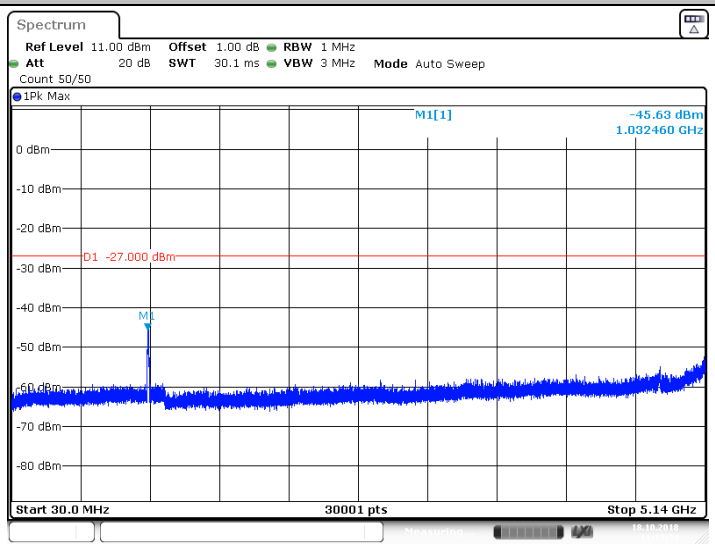
11A_Ant1_5240_30~5140



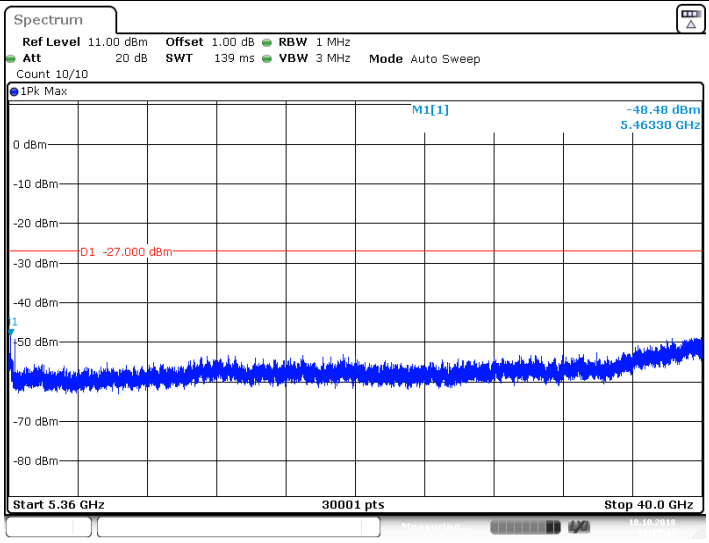
11A_Ant1_5240_5360~40000



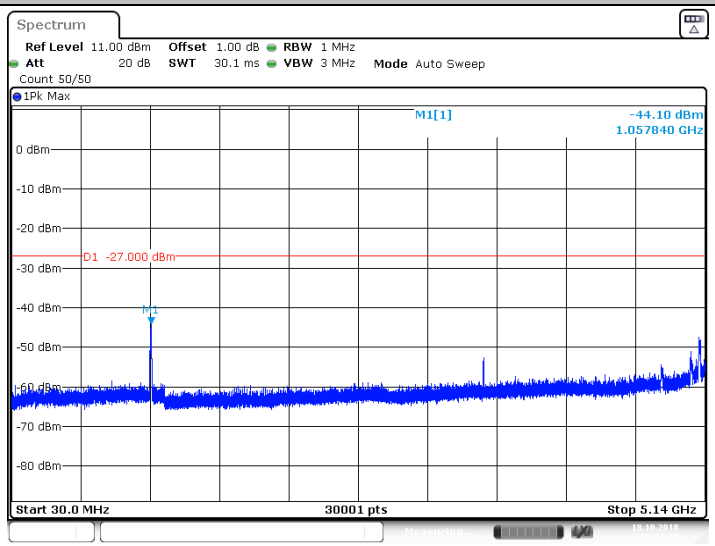
11A_Ant2_5240_30~5140



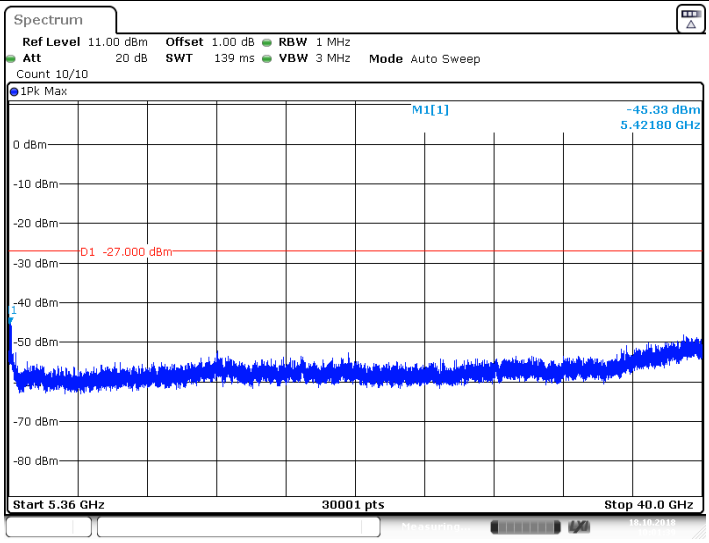
11A_Ant2_5240_5360~40000



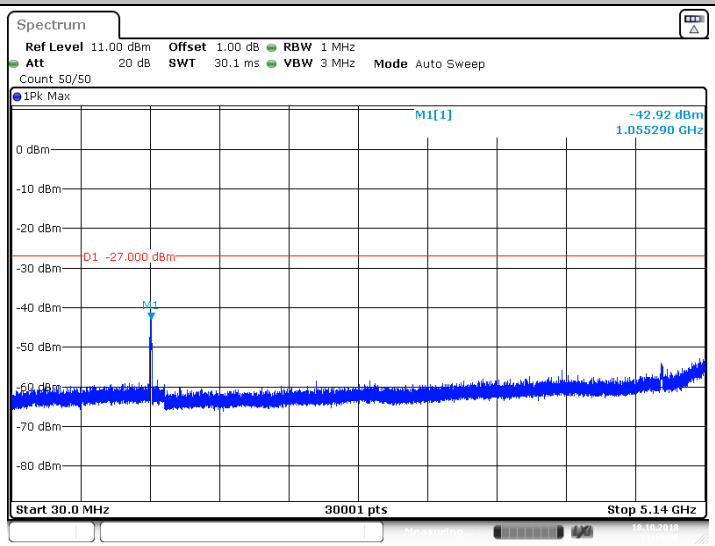
11A_Ant1_5260_30~5140



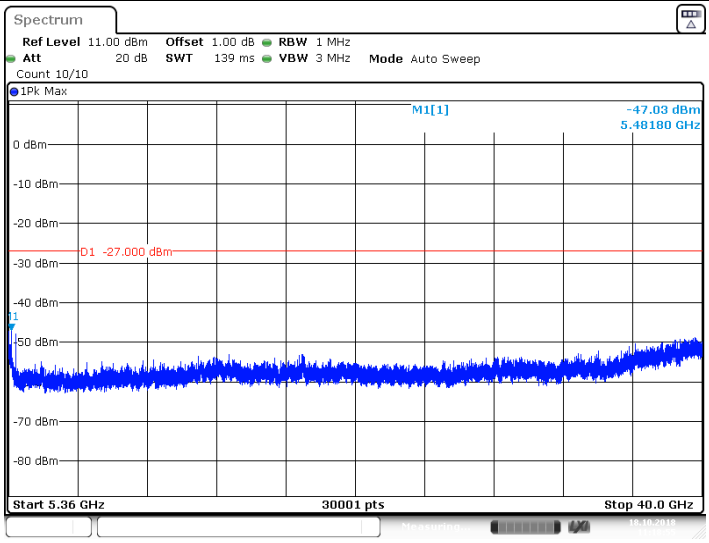
11A_Ant1_5260_5360~40000



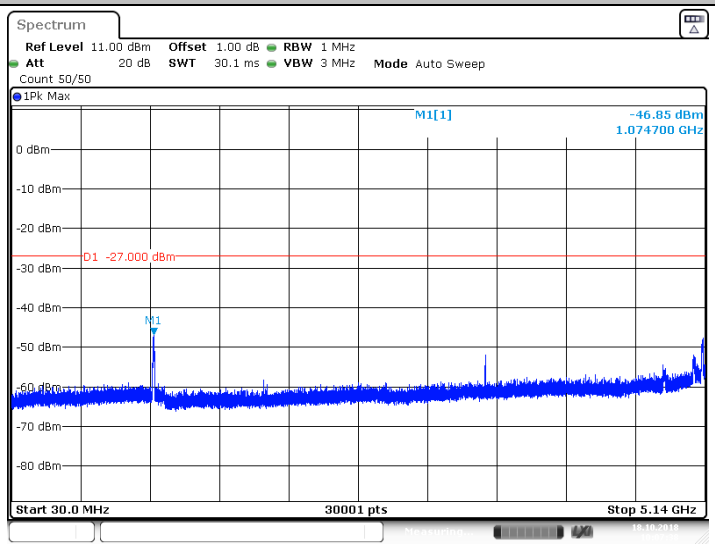
11A_Ant2_5260_30~5140



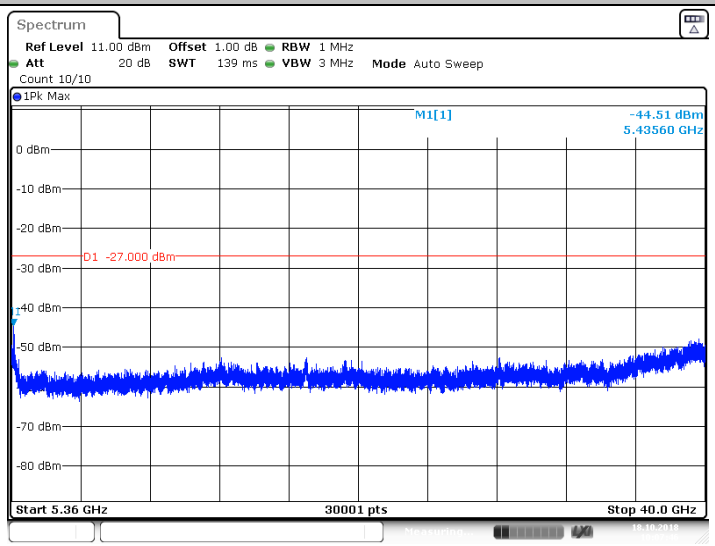
11A_Ant2_5260_5360~40000



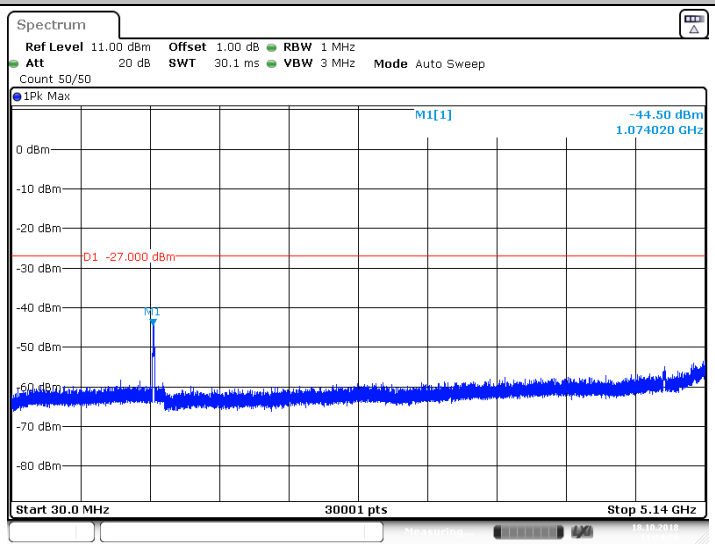
11A_Ant1_5280_30~5140



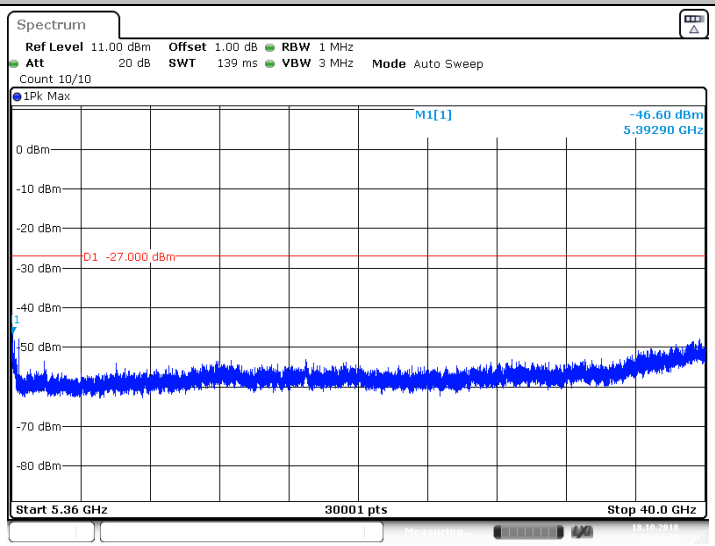
11A_Ant1_5280_5360~40000



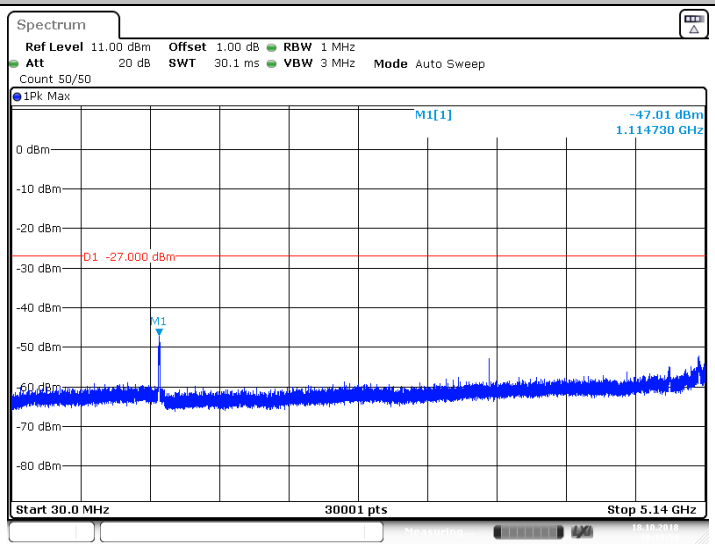
11A_Ant2_5280_30~5140



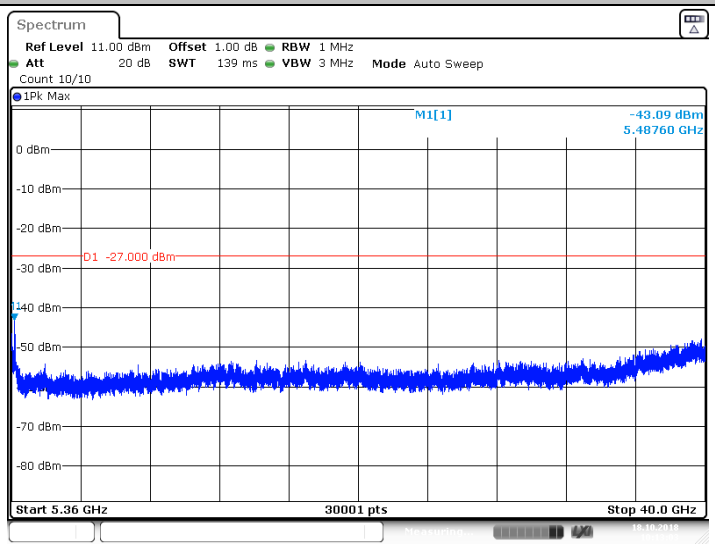
11A_Ant2_5280_5360~40000



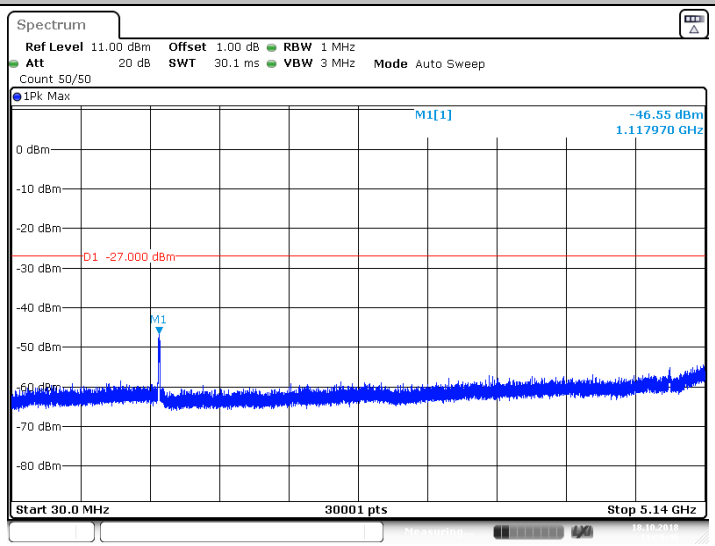
11A_Ant1_5320_30~5140



11A_Ant1_5320_5360~40000



11A_Ant2_5320_30~5140



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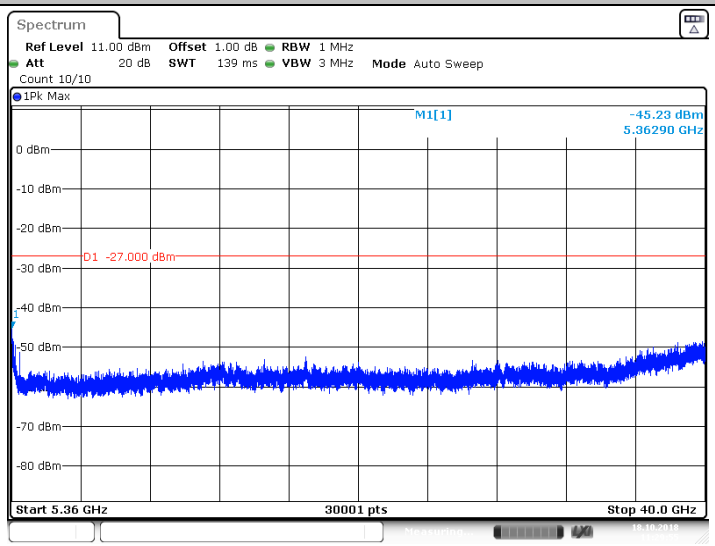
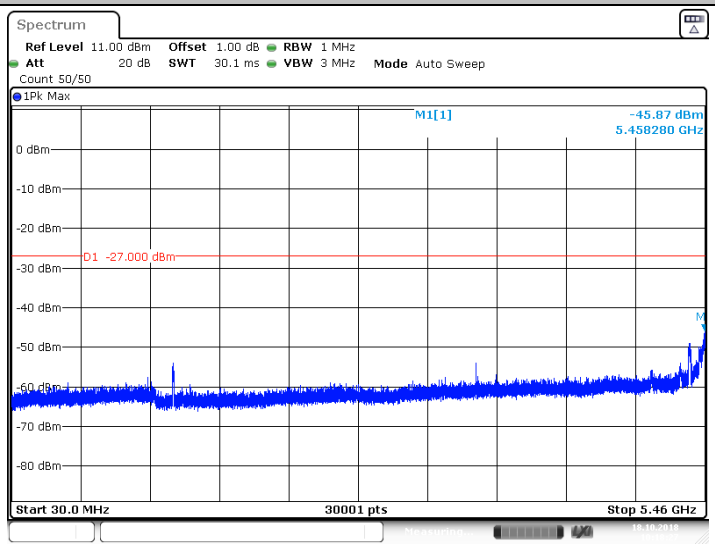
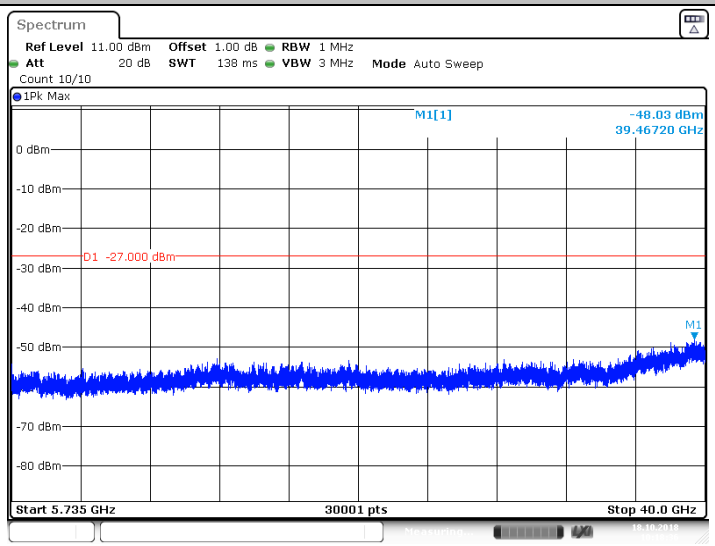


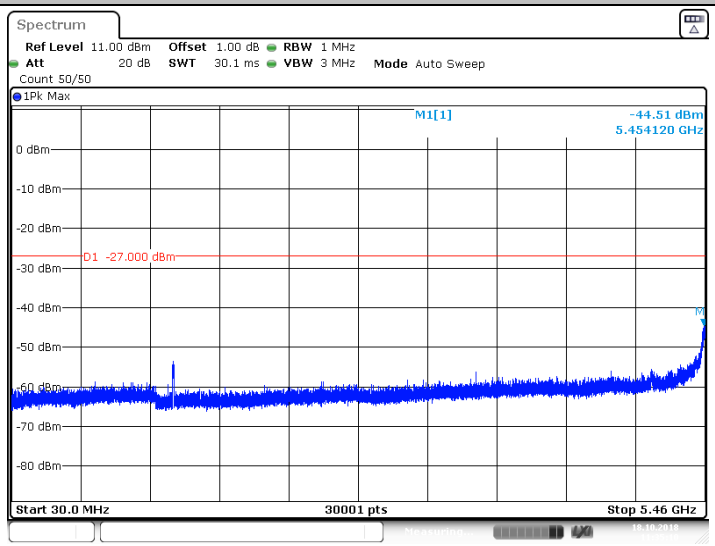
11A_Ant1_5500_30~5460



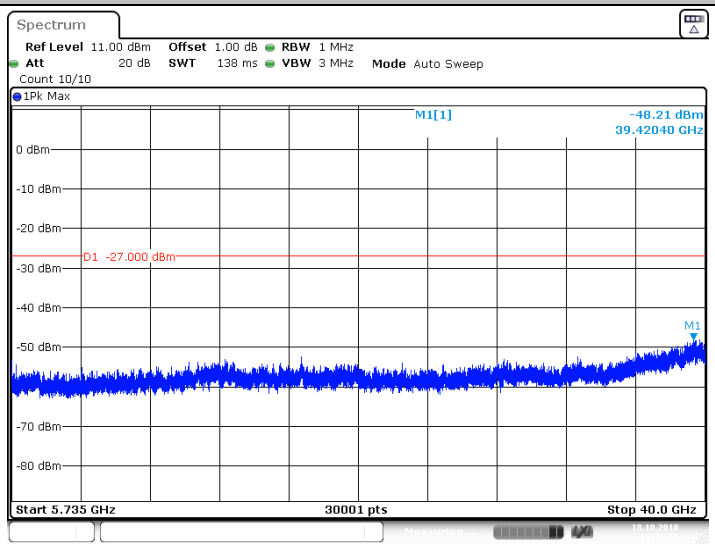
11A_Ant1_5500_5735~40000



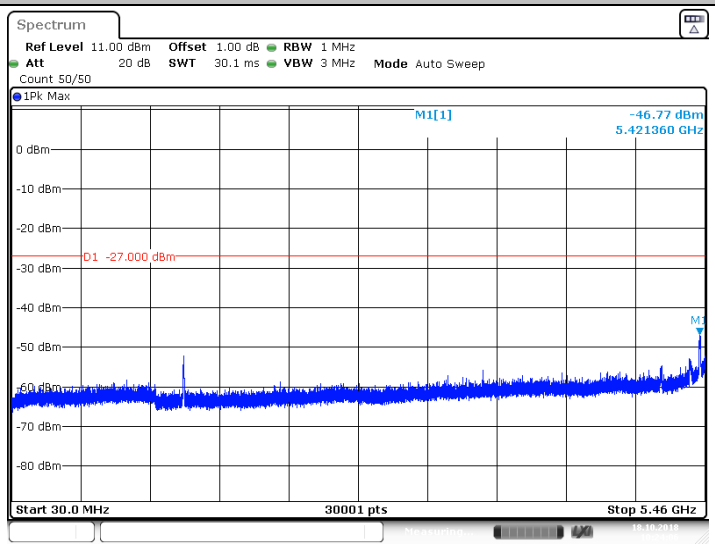
11A_Ant2_5500_30~5460



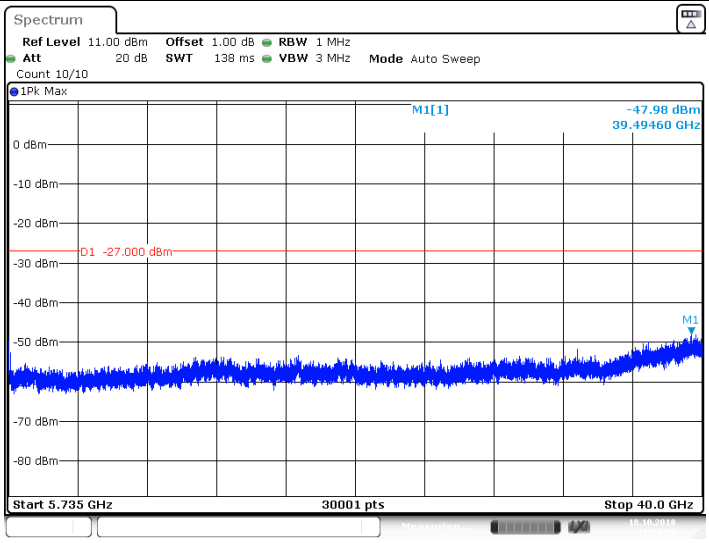
11A_Ant2_5500_5735~40000



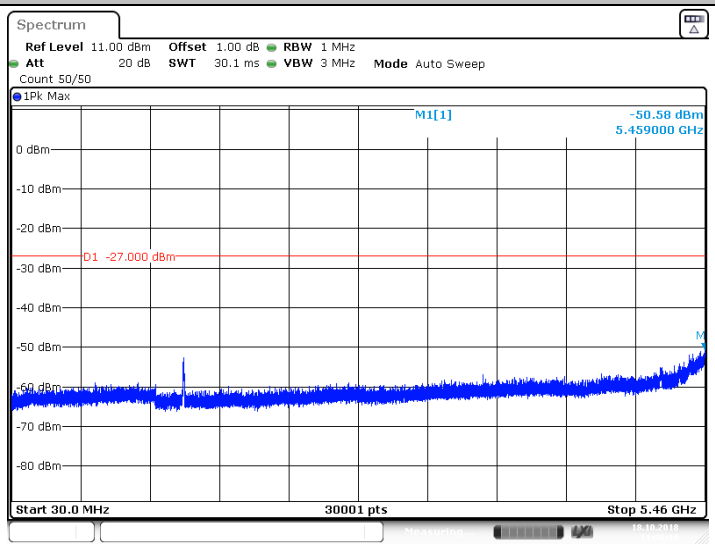
11A_Ant1_5580_30~5460



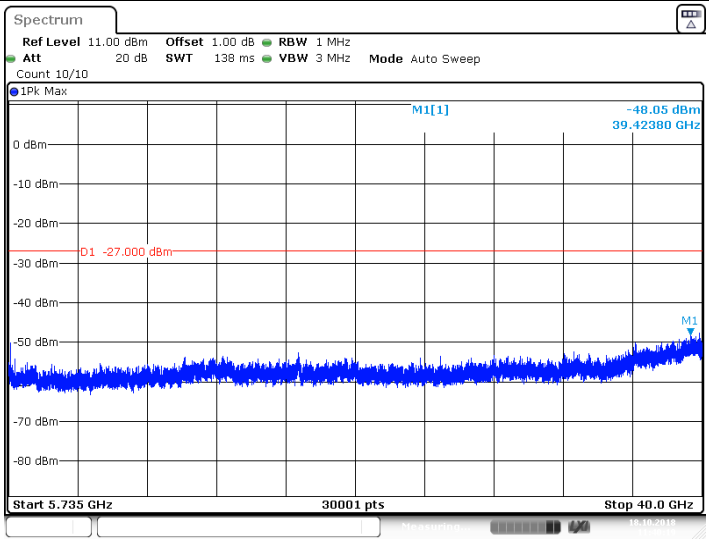
11A_Ant1_5580_5735~40000



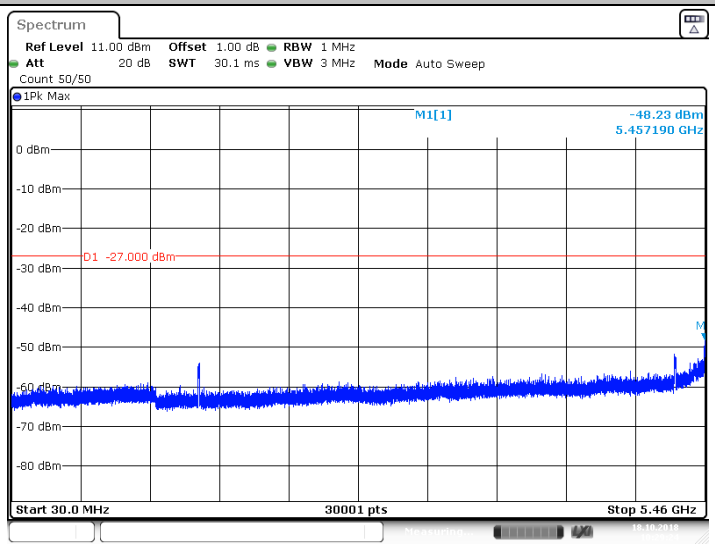
11A_Ant2_5580_30~5460



11A_Ant2_5580_5735~40000



11A_Ant1_5700_30~5460



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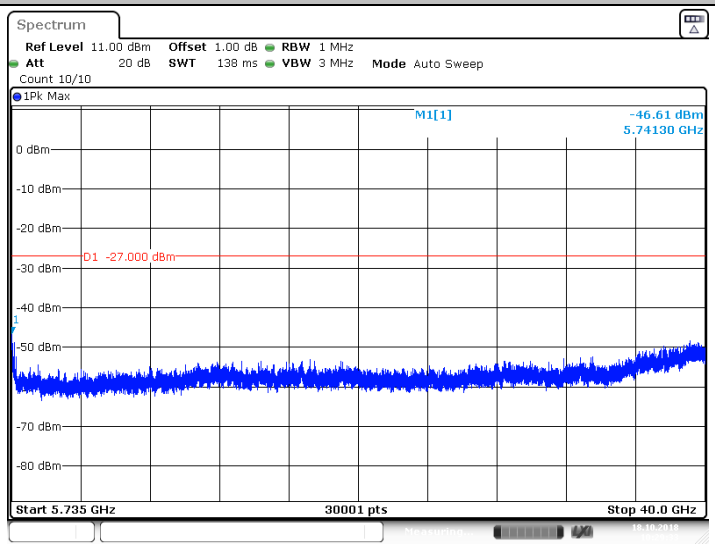

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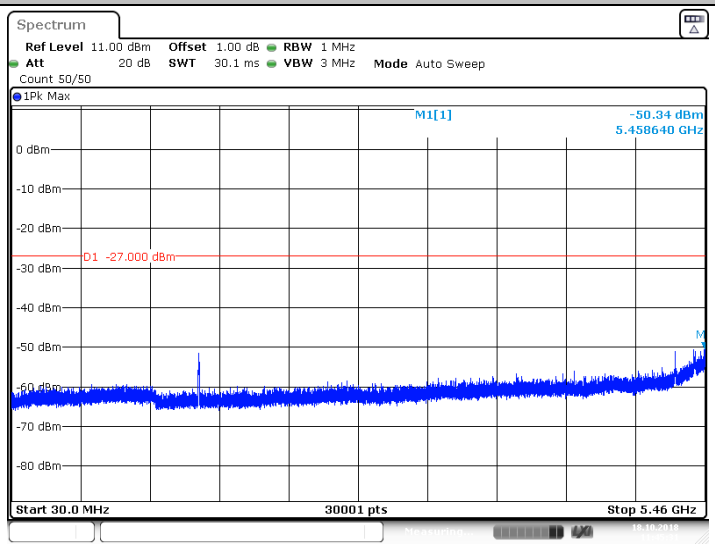

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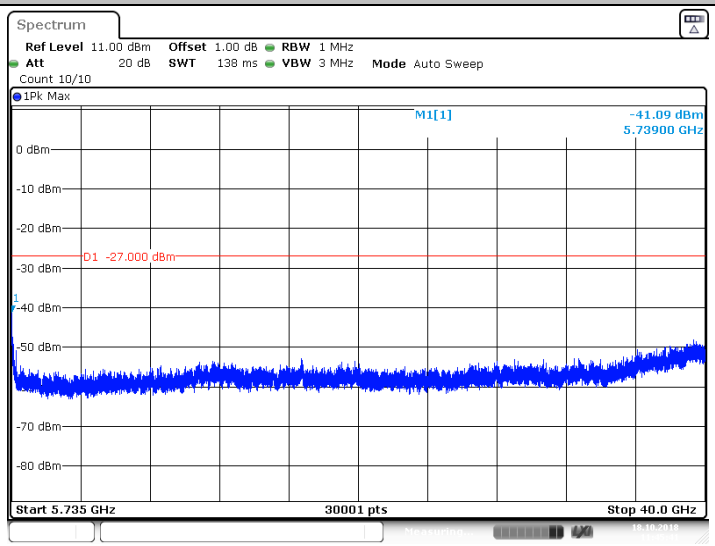

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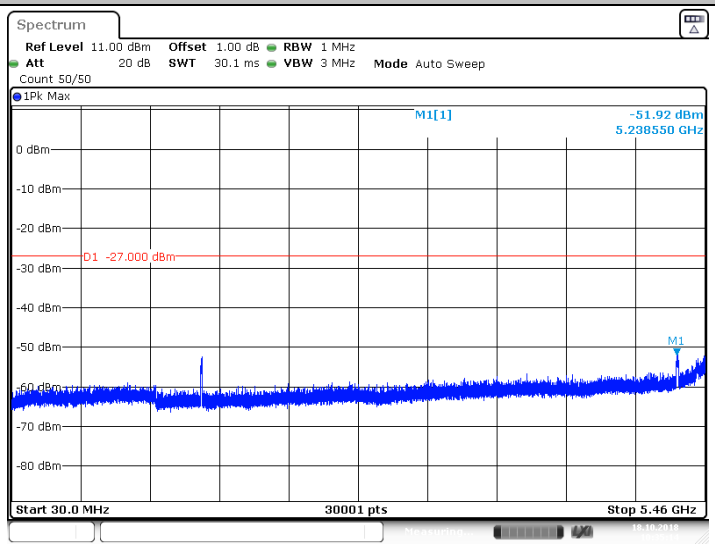
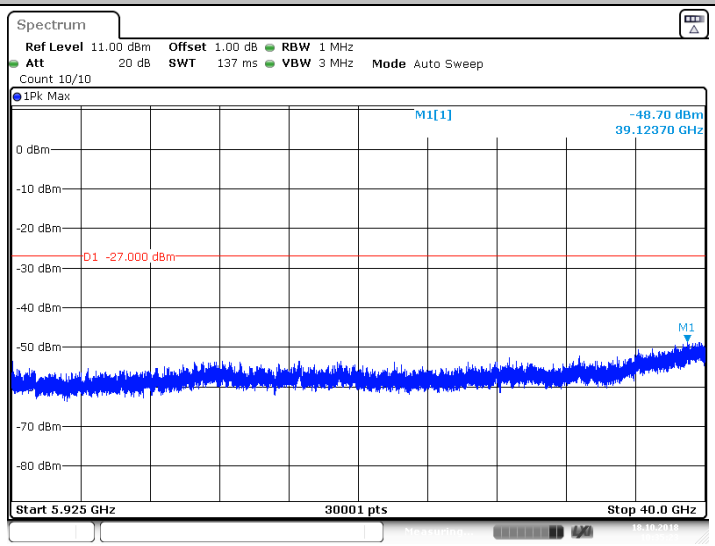


Date: 18.OCT.2018 10:35:15

11A_Ant1_5720_5925~40000



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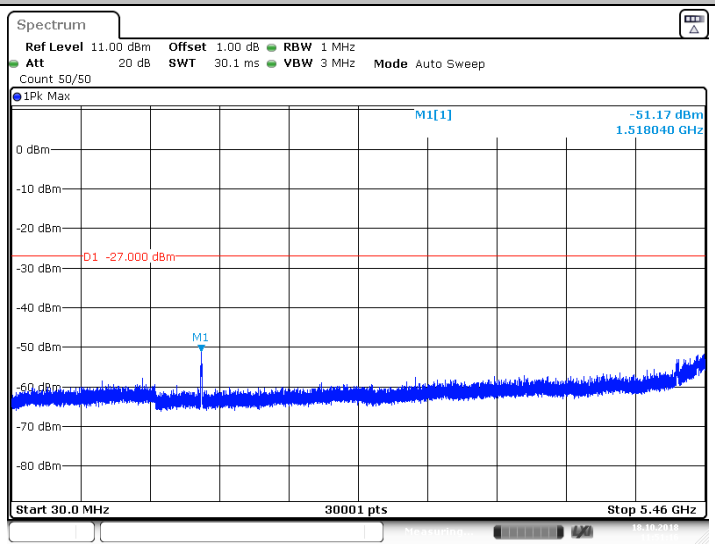

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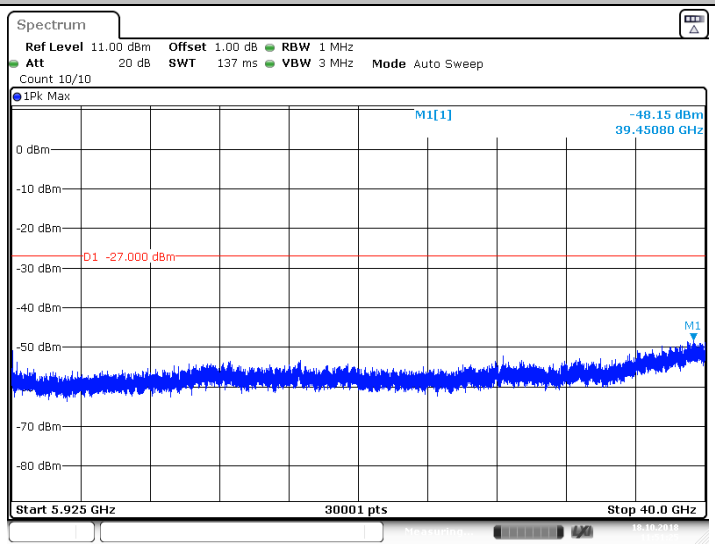

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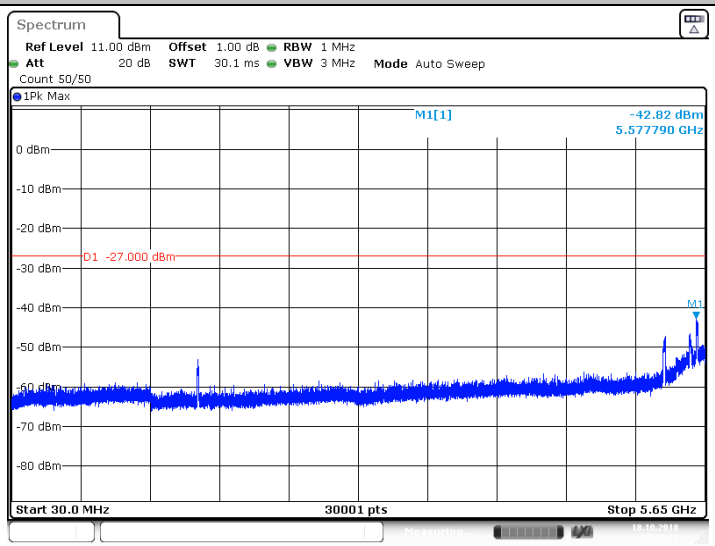

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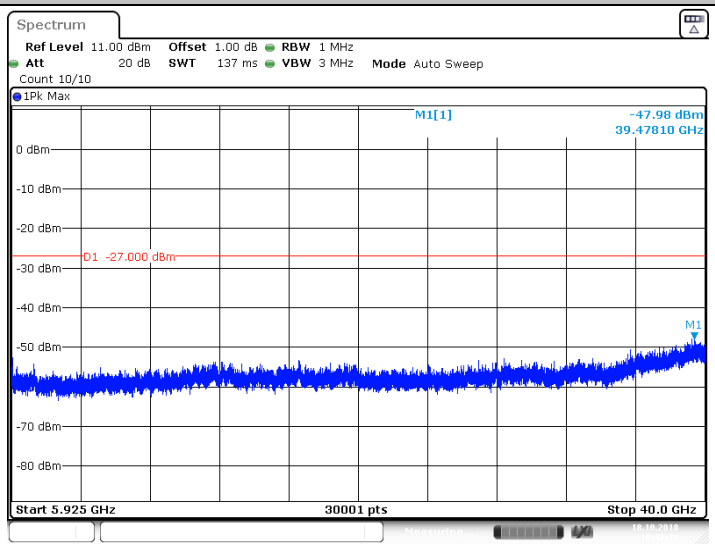
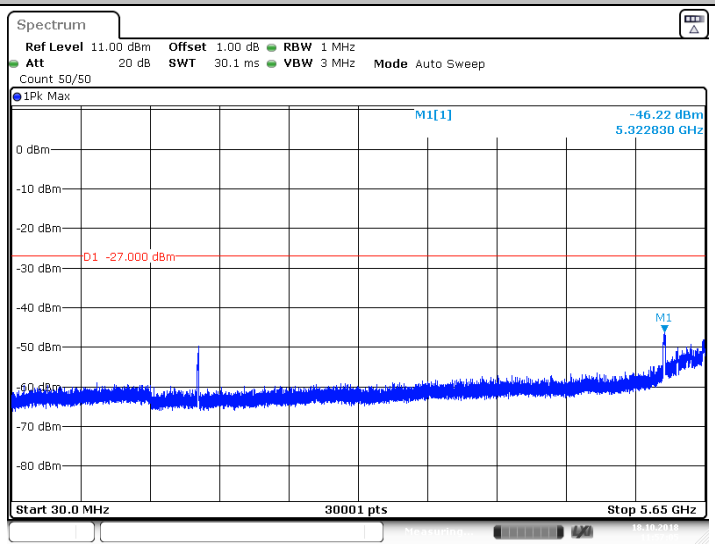
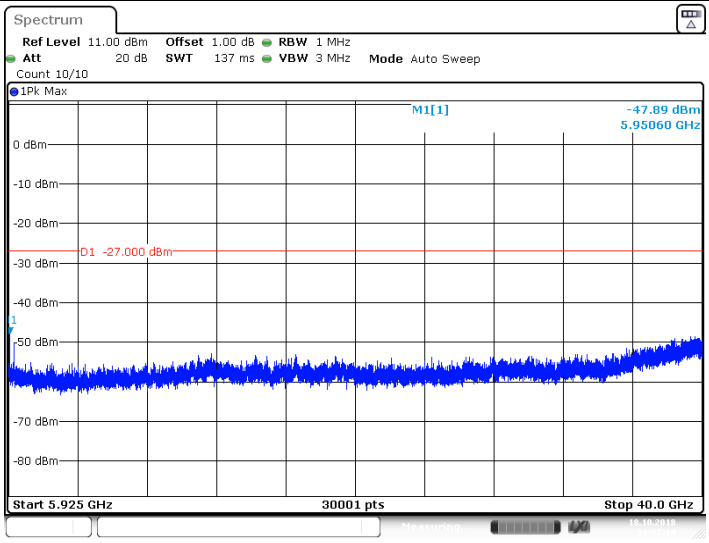


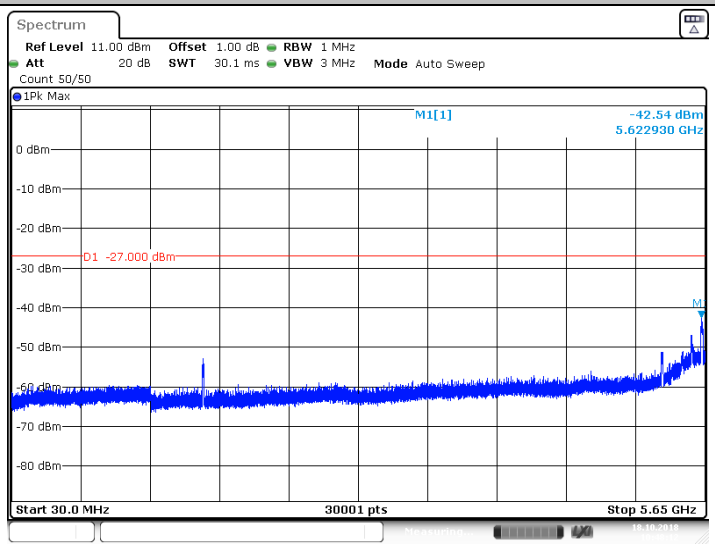
11A_Ant2_5745_30~5650



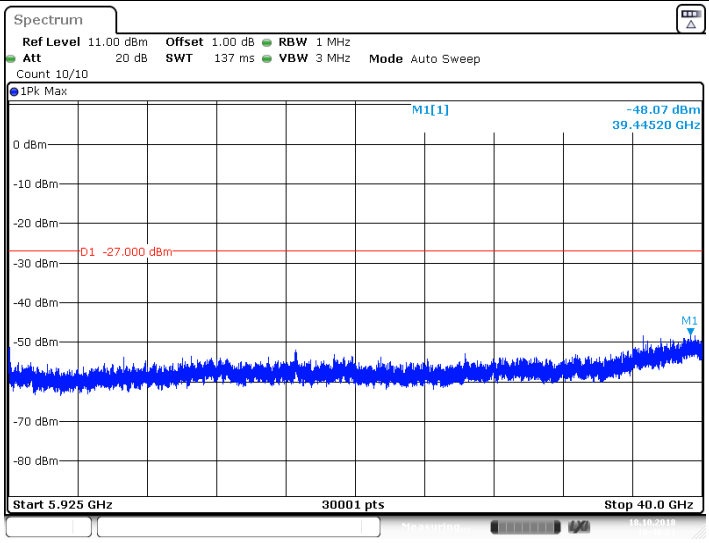
11A_Ant2_5745_5925~40000



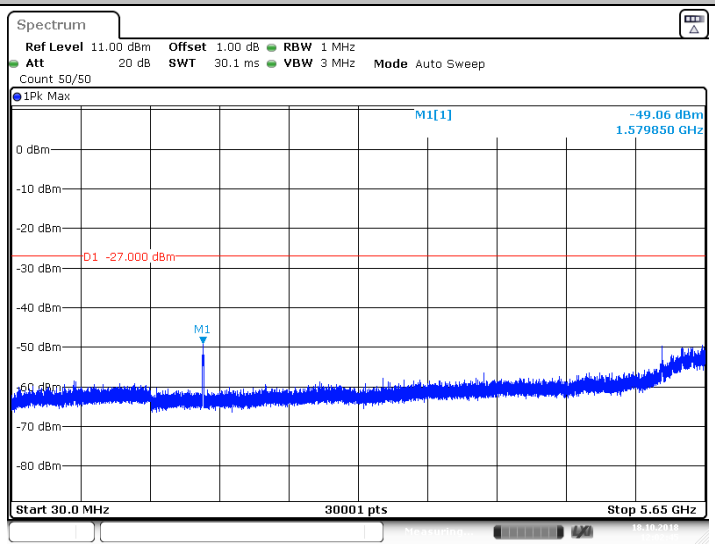
11A_Ant1_5785_30~5650



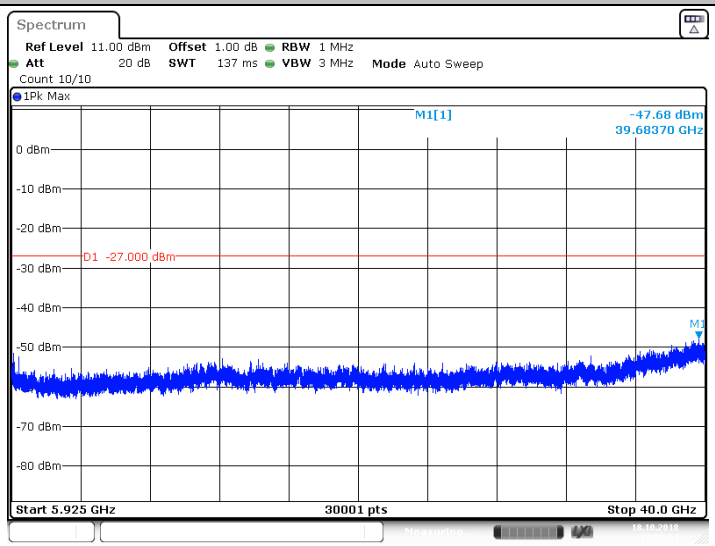
11A_Ant1_5785_5925~40000



11A_Ant2_5785_30~5650



11A_Ant2_5785_5925~40000



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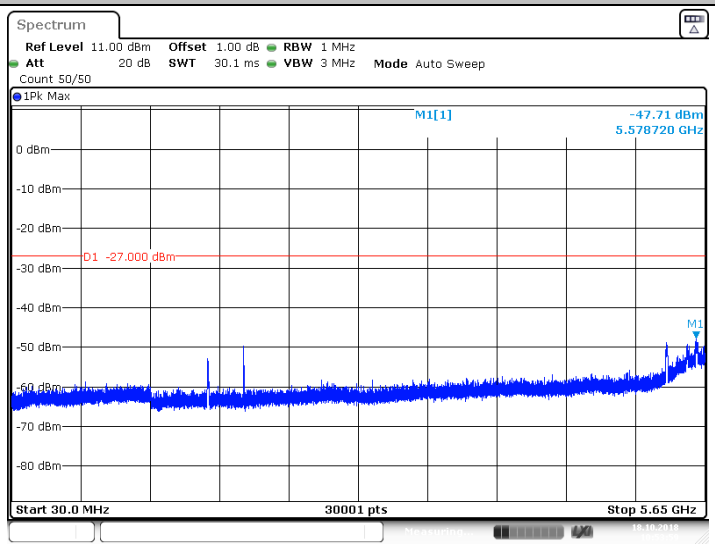
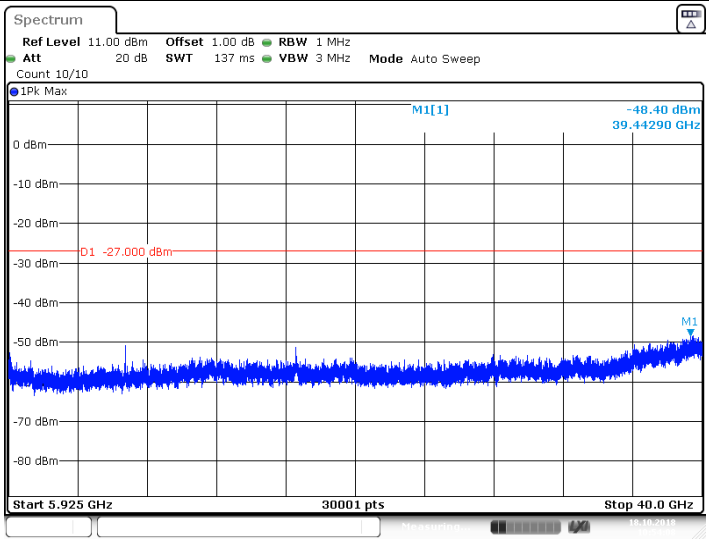
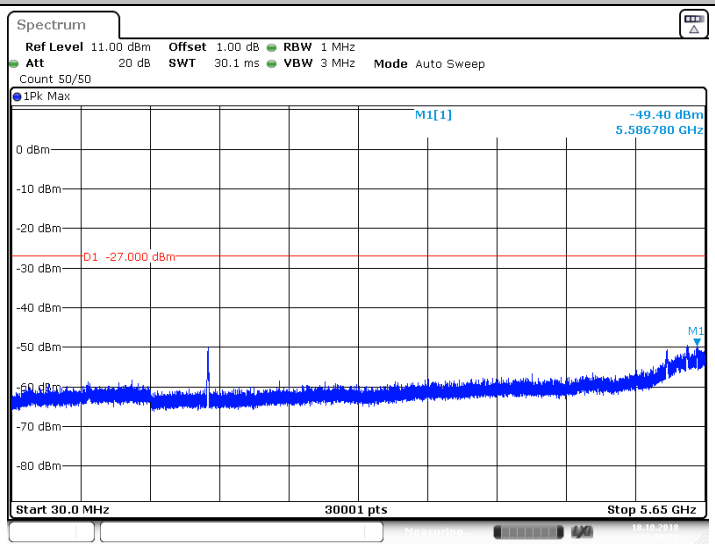


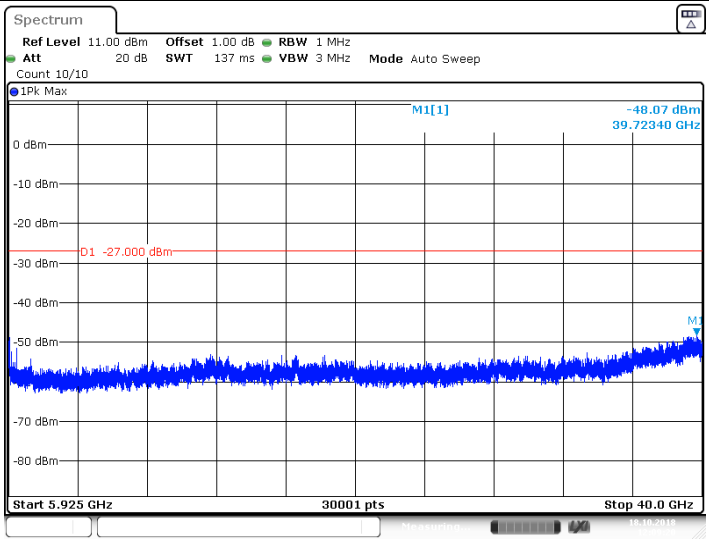
11A_Ant1_5825_5925~40000



11A_Ant2_5825_30~5650



11A_Ant2_5825_5925~40000



Appendix A8: Frequency Stability

Test Result

Voltage								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	NT	-30000	-5.791506	20	PASS
		5180	LV	NT	-60000	-11.583012	20	PASS
		5180	HV	NT	-45000	-8.687259	20	PASS
	Ant2	5180	NV	NT	-30000	-5.791506	20	PASS
		5180	LV	NT	-45000	-8.687259	20	PASS
		5180	HV	NT	-45000	-8.687259	20	PASS
	Ant1	5200	NV	NT	-45000	-8.653846	20	PASS
		5200	LV	NT	-60000	-11.538462	20	PASS
		5200	HV	NT	-60000	-11.538462	20	PASS
	Ant2	5200	NV	NT	-60000	-11.538462	20	PASS
		5200	LV	NT	-45000	-8.653846	20	PASS
		5200	HV	NT	-60000	-11.538462	20	PASS
	Ant1	5240	NV	NT	-45000	-8.587786	20	PASS
		5240	LV	NT	-60000	-11.450382	20	PASS
		5240	HV	NT	-60000	-11.450382	20	PASS
	Ant2	5240	NV	NT	-60000	-11.450382	20	PASS
		5240	LV	NT	-60000	-11.450382	20	PASS
		5240	HV	NT	-60000	-11.450382	20	PASS
	Ant1	5260	NV	NT	-45000	-8.555133	20	PASS
		5260	LV	NT	-60000	-11.406844	20	PASS
		5260	HV	NT	-60000	-11.406844	20	PASS
	Ant2	5260	NV	NT	-45000	-8.555133	20	PASS
		5260	LV	NT	-60000	-11.406844	20	PASS
		5260	HV	NT	-45000	-8.555133	20	PASS
	Ant1	5280	NV	NT	-45000	-8.522727	20	PASS
		5280	LV	NT	-60000	-11.363636	20	PASS
		5280	HV	NT	-45000	-8.522727	20	PASS
	Ant2	5280	NV	NT	-45000	-8.522727	20	PASS
		5280	LV	NT	-45000	-8.522727	20	PASS
		5280	HV	NT	-45000	-8.522727	20	PASS
	Ant1	5320	NV	NT	-60000	-11.278195	20	PASS
		5320	LV	NT	-60000	-11.278195	20	PASS
		5320	HV	NT	-60000	-11.278195	20	PASS
	Ant2	5320	NV	NT	-45000	-8.458647	20	PASS
		5320	LV	NT	-60000	-11.278195	20	PASS
		5320	HV	NT	-60000	-11.278195	20	PASS

	Ant1	5500	NV	NT	-60000	-10.909091	20	PASS
		5500	LV	NT	-60000	-10.909091	20	PASS
		5500	HV	NT	-60000	-10.909091	20	PASS
	Ant2	5500	NV	NT	-45000	-8.181818	20	PASS
		5500	LV	NT	-60000	-10.909091	20	PASS
		5500	HV	NT	-60000	-10.909091	20	PASS
	Ant1	5580	NV	NT	-60000	-10.752688	20	PASS
		5580	LV	NT	-60000	-10.752688	20	PASS
		5580	HV	NT	-60000	-10.752688	20	PASS
	Ant2	5580	NV	NT	-45000	-8.064516	20	PASS
		5580	LV	NT	-60000	-10.752688	20	PASS
		5580	HV	NT	-60000	-10.752688	20	PASS
	Ant1	5700	NV	NT	-60000	-10.526316	20	PASS
		5700	LV	NT	-60000	-10.526316	20	PASS
		5700	HV	NT	-60000	-10.526316	20	PASS
	Ant2	5700	NV	NT	-60000	-10.526316	20	PASS
		5700	LV	NT	-60000	-10.526316	20	PASS
		5700	HV	NT	-60000	-10.526316	20	PASS
	Ant1	5720	NV	NT	-60000	-10.48951	20	PASS
		5720	LV	NT	-60000	-10.48951	20	PASS
		5720	HV	NT	-60000	-10.48951	20	PASS
	Ant2	5720	NV	NT	-60000	-10.48951	20	PASS
		5720	LV	NT	-60000	-10.48951	20	PASS
		5720	HV	NT	-60000	-10.48951	20	PASS
	Ant1	5745	NV	NT	-60000	-10.443864	20	PASS
		5745	LV	NT	-60000	-10.443864	20	PASS
		5745	HV	NT	-60000	-10.443864	20	PASS
	Ant2	5745	NV	NT	-45000	-7.832898	20	PASS
		5745	LV	NT	-60000	-10.443864	20	PASS
		5745	HV	NT	-60000	-10.443864	20	PASS
	Ant1	5785	NV	NT	-60000	-10.371651	20	PASS
		5785	LV	NT	-60000	-10.371651	20	PASS
		5785	HV	NT	-60000	-10.371651	20	PASS
	Ant2	5785	NV	NT	-60000	-10.371651	20	PASS
		5785	LV	NT	-60000	-10.371651	20	PASS
		5785	HV	NT	-45000	-7.778738	20	PASS
	Ant1	5825	NV	NT	-60000	-10.300429	20	PASS
		5825	LV	NT	-45000	-7.725322	20	PASS
		5825	HV	NT	-60000	-10.300429	20	PASS
	Ant2	5825	NV	NT	-60000	-10.300429	20	PASS
		5825	LV	NT	-60000	-10.300429	20	PASS
		5825	HV	NT	-60000	-10.300429	20	PASS

Temperature								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	-30	-30000	-5.791506	20	PASS
		5180	NV	-20	-30000	-5.791506	20	PASS
		5180	NV	-10	-60000	-11.583012	20	PASS
		5180	NV	0	-45000	-8.687259	20	PASS
		5180	NV	10	-30000	-5.791506	20	PASS
		5180	NV	20	-30000	-5.791506	20	PASS
		5180	NV	30	-60000	-11.583012	20	PASS
		5180	NV	40	-30000	-5.791506	20	PASS
		5180	NV	50	-60000	-11.583012	20	PASS
	Ant2	5180	NV	-30	-30000	-5.791506	20	PASS
		5180	NV	-20	-45000	-8.687259	20	PASS
		5180	NV	-10	-45000	-8.687259	20	PASS
		5180	NV	0	-30000	-5.791506	20	PASS
		5180	NV	10	-45000	-8.687259	20	PASS
		5180	NV	20	-60000	-11.583012	20	PASS
		5180	NV	30	-30000	-5.791506	20	PASS
		5180	NV	40	-30000	-5.791506	20	PASS
		5180	NV	50	-30000	-5.791506	20	PASS
	Ant1	5200	NV	-30	-45000	-8.653846	20	PASS
		5200	NV	-20	-60000	-11.538462	20	PASS
		5200	NV	-10	-60000	-11.538462	20	PASS
		5200	NV	0	-45000	-8.653846	20	PASS
		5200	NV	10	-45000	-8.653846	20	PASS
		5200	NV	20	-45000	-8.653846	20	PASS
		5200	NV	30	-45000	-8.653846	20	PASS
		5200	NV	40	-45000	-8.653846	20	PASS
		5200	NV	50	-45000	-8.653846	20	PASS
	Ant2	5200	NV	-30	-60000	-11.538462	20	PASS
		5200	NV	-20	-60000	-11.538462	20	PASS
		5200	NV	-10	-60000	-11.538462	20	PASS
		5200	NV	0	-60000	-11.538462	20	PASS
		5200	NV	10	-60000	-11.538462	20	PASS
		5200	NV	20	-45000	-8.653846	20	PASS
		5200	NV	30	-60000	-11.538462	20	PASS
		5200	NV	40	-60000	-11.538462	20	PASS
		5200	NV	50	-60000	-11.538462	20	PASS
	Ant1	5240	NV	-30	-60000	-11.450382	20	PASS
		5240	NV	-20	-60000	-11.450382	20	PASS
		5240	NV	-10	-60000	-11.450382	20	PASS
		5240	NV	0	-60000	-11.450382	20	PASS

		5240	NV	10	-60000	-11.450382	20	PASS
		5240	NV	20	-60000	-11.450382	20	PASS
		5240	NV	30	-45000	-8.587786	20	PASS
		5240	NV	40	-60000	-11.450382	20	PASS
		5240	NV	50	-60000	-11.450382	20	PASS
	Ant2	5240	NV	-30	-60000	-11.450382	20	PASS
		5240	NV	-20	-60000	-11.450382	20	PASS
		5240	NV	-10	-60000	-11.450382	20	PASS
		5240	NV	0	-60000	-11.450382	20	PASS
		5240	NV	10	-60000	-11.450382	20	PASS
		5240	NV	20	-60000	-11.450382	20	PASS
		5240	NV	30	-60000	-11.450382	20	PASS
		5240	NV	40	-60000	-11.450382	20	PASS
		5240	NV	50	-60000	-11.450382	20	PASS
	Ant1	5260	NV	-30	-60000	-11.406844	20	PASS
		5260	NV	-20	-60000	-11.406844	20	PASS
		5260	NV	-10	-45000	-8.555133	20	PASS
		5260	NV	0	-60000	-11.406844	20	PASS
		5260	NV	10	-60000	-11.406844	20	PASS
		5260	NV	20	-60000	-11.406844	20	PASS
		5260	NV	30	-60000	-11.406844	20	PASS
		5260	NV	40	-45000	-8.555133	20	PASS
		5260	NV	50	-60000	-11.406844	20	PASS
	Ant2	5260	NV	-30	-45000	-8.555133	20	PASS
		5260	NV	-20	-60000	-11.406844	20	PASS
		5260	NV	-10	-60000	-11.406844	20	PASS
		5260	NV	0	-60000	-11.406844	20	PASS
		5260	NV	10	-60000	-11.406844	20	PASS
		5260	NV	20	-60000	-11.406844	20	PASS
		5260	NV	30	-60000	-11.406844	20	PASS
		5260	NV	40	-60000	-11.406844	20	PASS
		5260	NV	50	-60000	-11.406844	20	PASS
	Ant1	5280	NV	-30	-45000	-8.522727	20	PASS
		5280	NV	-20	-60000	-11.363636	20	PASS
		5280	NV	-10	-60000	-11.363636	20	PASS
		5280	NV	0	-60000	-11.363636	20	PASS
		5280	NV	10	-60000	-11.363636	20	PASS
		5280	NV	20	-60000	-11.363636	20	PASS
		5280	NV	30	-60000	-11.363636	20	PASS
		5280	NV	40	-60000	-11.363636	20	PASS
		5280	NV	50	-60000	-11.363636	20	PASS
	Ant2	5280	NV	-30	-60000	-11.363636	20	PASS
		5280	NV	-20	-60000	-11.363636	20	PASS

		5280	NV	-10	-60000	-11.363636	20	PASS
		5280	NV	0	-60000	-11.363636	20	PASS
		5280	NV	10	-60000	-11.363636	20	PASS
		5280	NV	20	-60000	-11.363636	20	PASS
		5280	NV	30	-60000	-11.363636	20	PASS
		5280	NV	40	-60000	-11.363636	20	PASS
		5280	NV	50	-60000	-11.363636	20	PASS
	Ant1	5320	NV	-30	-60000	-11.278195	20	PASS
		5320	NV	-20	-45000	-8.458647	20	PASS
		5320	NV	-10	-60000	-11.278195	20	PASS
		5320	NV	0	-60000	-11.278195	20	PASS
		5320	NV	10	-45000	-8.458647	20	PASS
		5320	NV	20	-60000	-11.278195	20	PASS
		5320	NV	30	-60000	-11.278195	20	PASS
		5320	NV	40	-45000	-8.458647	20	PASS
		5320	NV	50	-60000	-11.278195	20	PASS
	Ant2	5320	NV	-30	-60000	-11.278195	20	PASS
		5320	NV	-20	-45000	-8.458647	20	PASS
		5320	NV	-10	-60000	-11.278195	20	PASS
		5320	NV	0	-60000	-11.278195	20	PASS
		5320	NV	10	-60000	-11.278195	20	PASS
		5320	NV	20	-60000	-11.278195	20	PASS
		5320	NV	30	-45000	-8.458647	20	PASS
		5320	NV	40	-60000	-11.278195	20	PASS
		5320	NV	50	-60000	-11.278195	20	PASS
	Ant1	5500	NV	-30	-60000	-10.909091	20	PASS
		5500	NV	-20	-45000	-8.181818	20	PASS
		5500	NV	-10	-60000	-10.909091	20	PASS
		5500	NV	0	-60000	-10.909091	20	PASS
		5500	NV	10	-60000	-10.909091	20	PASS
		5500	NV	20	-60000	-10.909091	20	PASS
		5500	NV	30	-60000	-10.909091	20	PASS
		5500	NV	40	-60000	-10.909091	20	PASS
		5500	NV	50	-60000	-10.909091	20	PASS
	Ant2	5500	NV	-30	-45000	-8.181818	20	PASS
		5500	NV	-20	-45000	-8.181818	20	PASS
		5500	NV	-10	-60000	-10.909091	20	PASS
		5500	NV	0	-60000	-10.909091	20	PASS
		5500	NV	10	-60000	-10.909091	20	PASS
		5500	NV	20	-60000	-10.909091	20	PASS
		5500	NV	30	-60000	-10.909091	20	PASS
		5500	NV	40	-60000	-10.909091	20	PASS
		5500	NV	50	-45000	-8.181818	20	PASS

	Ant1	5580	NV	-30	-60000	-10.752688	20	PASS
		5580	NV	-20	-60000	-10.752688	20	PASS
		5580	NV	-10	-60000	-10.752688	20	PASS
		5580	NV	0	-60000	-10.752688	20	PASS
		5580	NV	10	-60000	-10.752688	20	PASS
		5580	NV	20	-60000	-10.752688	20	PASS
		5580	NV	30	-60000	-10.752688	20	PASS
		5580	NV	40	-60000	-10.752688	20	PASS
		5580	NV	50	-60000	-10.752688	20	PASS
	Ant2	5580	NV	-30	-60000	-10.752688	20	PASS
		5580	NV	-20	-60000	-10.752688	20	PASS
		5580	NV	-10	-60000	-10.752688	20	PASS
		5580	NV	0	-60000	-10.752688	20	PASS
		5580	NV	10	-60000	-10.752688	20	PASS
		5580	NV	20	-45000	-8.064516	20	PASS
		5580	NV	30	-60000	-10.752688	20	PASS
		5580	NV	40	-60000	-10.752688	20	PASS
		5580	NV	50	-60000	-10.752688	20	PASS
	Ant1	5700	NV	-30	-60000	-10.526316	20	PASS
		5700	NV	-20	-60000	-10.526316	20	PASS
		5700	NV	-10	-60000	-10.526316	20	PASS
		5700	NV	0	-60000	-10.526316	20	PASS
		5700	NV	10	-60000	-10.526316	20	PASS
		5700	NV	20	-60000	-10.526316	20	PASS
		5700	NV	30	-60000	-10.526316	20	PASS
		5700	NV	40	-60000	-10.526316	20	PASS
		5700	NV	50	-60000	-10.526316	20	PASS
	Ant2	5700	NV	-30	-45000	-7.894737	20	PASS
		5700	NV	-20	-60000	-10.526316	20	PASS
		5700	NV	-10	-60000	-10.526316	20	PASS
		5700	NV	0	-60000	-10.526316	20	PASS
		5700	NV	10	-60000	-10.526316	20	PASS
		5700	NV	20	-60000	-10.526316	20	PASS
		5700	NV	30	-45000	-7.894737	20	PASS
		5700	NV	40	-60000	-10.526316	20	PASS
		5700	NV	50	-60000	-10.526316	20	PASS
	Ant1	5720	NV	-30	-60000	-10.48951	20	PASS
		5720	NV	-20	-45000	-7.867133	20	PASS
		5720	NV	-10	-60000	-10.48951	20	PASS
		5720	NV	0	-60000	-10.48951	20	PASS
		5720	NV	10	-60000	-10.48951	20	PASS
		5720	NV	20	-60000	-10.48951	20	PASS
		5720	NV	30	-60000	-10.48951	20	PASS

		5720	NV	40	-60000	-10.48951	20	PASS
		5720	NV	50	-60000	-10.48951	20	PASS
	Ant2	5720	NV	-30	-60000	-10.48951	20	PASS
		5720	NV	-20	-60000	-10.48951	20	PASS
		5720	NV	-10	-60000	-10.48951	20	PASS
		5720	NV	0	-60000	-10.48951	20	PASS
		5720	NV	10	-45000	-7.867133	20	PASS
		5720	NV	20	-60000	-10.48951	20	PASS
		5720	NV	30	-60000	-10.48951	20	PASS
		5720	NV	40	-60000	-10.48951	20	PASS
		5720	NV	50	-60000	-10.48951	20	PASS
	Ant1	5745	NV	-30	-60000	-10.443864	20	PASS
		5745	NV	-20	-60000	-10.443864	20	PASS
		5745	NV	-10	-60000	-10.443864	20	PASS
		5745	NV	0	-60000	-10.443864	20	PASS
		5745	NV	10	-60000	-10.443864	20	PASS
		5745	NV	20	-60000	-10.443864	20	PASS
		5745	NV	30	-60000	-10.443864	20	PASS
		5745	NV	40	-60000	-10.443864	20	PASS
		5745	NV	50	-60000	-10.443864	20	PASS
	Ant2	5745	NV	-30	-60000	-10.443864	20	PASS
		5745	NV	-20	-60000	-10.443864	20	PASS
		5745	NV	-10	-60000	-10.443864	20	PASS
		5745	NV	0	-60000	-10.443864	20	PASS
		5745	NV	10	-60000	-10.443864	20	PASS
		5745	NV	20	-60000	-10.443864	20	PASS
		5745	NV	30	-60000	-10.443864	20	PASS
		5745	NV	40	-60000	-10.443864	20	PASS
		5745	NV	50	-60000	-10.443864	20	PASS
	Ant1	5785	NV	-30	-60000	-10.371651	20	PASS
		5785	NV	-20	-60000	-10.371651	20	PASS
		5785	NV	-10	-45000	-7.778738	20	PASS
		5785	NV	0	-60000	-10.371651	20	PASS
		5785	NV	10	-60000	-10.371651	20	PASS
		5785	NV	20	-60000	-10.371651	20	PASS
		5785	NV	30	-60000	-10.371651	20	PASS
		5785	NV	40	-60000	-10.371651	20	PASS
		5785	NV	50	-60000	-10.371651	20	PASS
	Ant2	5785	NV	-30	-45000	-7.778738	20	PASS
		5785	NV	-20	-60000	-10.371651	20	PASS
		5785	NV	-10	-60000	-10.371651	20	PASS
		5785	NV	0	-45000	-7.778738	20	PASS
		5785	NV	10	-60000	-10.371651	20	PASS

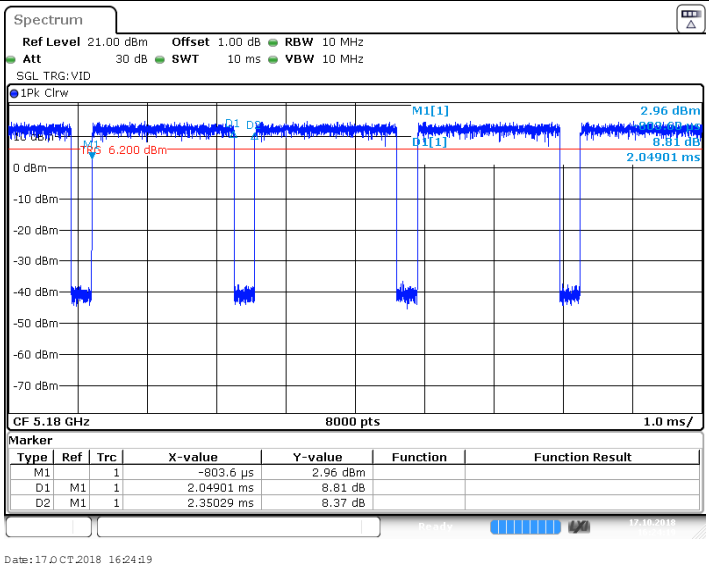
		5785	NV	20	-60000	-10.371651	20	PASS
		5785	NV	30	-60000	-10.371651	20	PASS
		5785	NV	40	-60000	-10.371651	20	PASS
		5785	NV	50	-60000	-10.371651	20	PASS
	Ant1	5825	NV	-30	-60000	-10.300429	20	PASS
		5825	NV	-20	-60000	-10.300429	20	PASS
		5825	NV	-10	-60000	-10.300429	20	PASS
		5825	NV	0	-60000	-10.300429	20	PASS
		5825	NV	10	-60000	-10.300429	20	PASS
		5825	NV	20	-60000	-10.300429	20	PASS
		5825	NV	30	-60000	-10.300429	20	PASS
		5825	NV	40	-60000	-10.300429	20	PASS
		5825	NV	50	-60000	-10.300429	20	PASS
	Ant2	5825	NV	-30	-60000	-10.300429	20	PASS
		5825	NV	-20	-60000	-10.300429	20	PASS
		5825	NV	-10	-60000	-10.300429	20	PASS
		5825	NV	0	-60000	-10.300429	20	PASS
		5825	NV	10	-60000	-10.300429	20	PASS
		5825	NV	20	-60000	-10.300429	20	PASS
		5825	NV	30	-45000	-7.725322	20	PASS
		5825	NV	40	-45000	-7.725322	20	PASS
		5825	NV	50	0	0	20	PASS

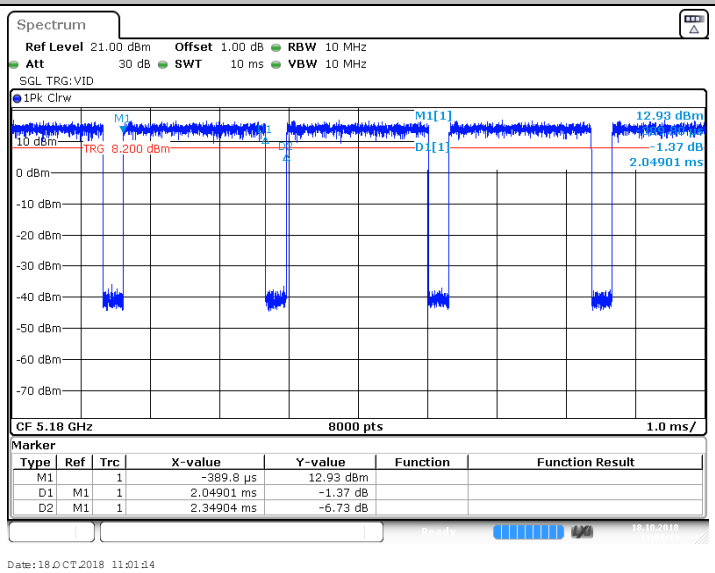
Appendix A9: Duty Cycle

Test Result

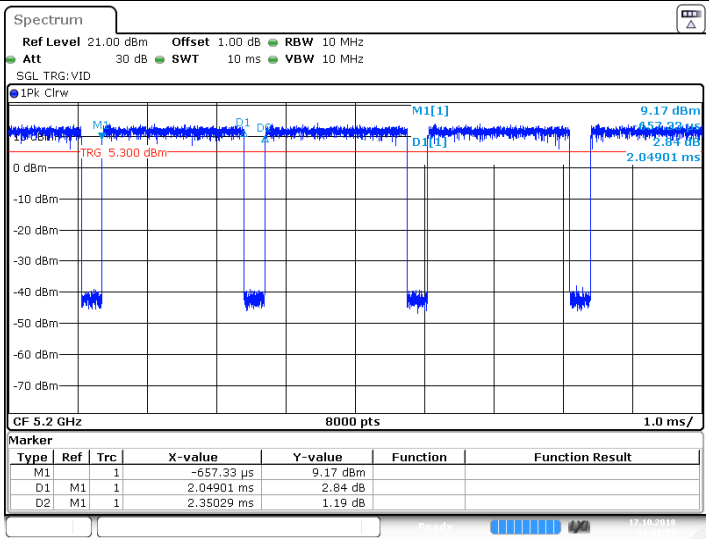
TestMode	Antenna	Channel	Duty Cycle [%]
11A	Ant1	5180	87.18
	Ant2	5180	87.23
	Ant1	5200	87.18
	Ant2	5200	87.23
	Ant1	5240	87.23
	Ant2	5240	87.23
	Ant1	5260	87.23
	Ant2	5260	87.23
	Ant1	5280	87.23
	Ant2	5280	87.23
	Ant1	5320	87.23
	Ant2	5320	87.18
	Ant1	5500	87.23
	Ant2	5500	87.23
	Ant1	5580	87.18
	Ant2	5580	87.23
	Ant1	5700	87.18
	Ant2	5700	87.23
	Ant1	5720	87.23
	Ant2	5720	87.23
	Ant1	5745	87.23
	Ant2	5745	87.23
	Ant1	5785	87.18
	Ant2	5785	87.23
	Ant1	5825	87.17
	Ant2	5825	87.23

Test Graphs

11A_Ant1_5180


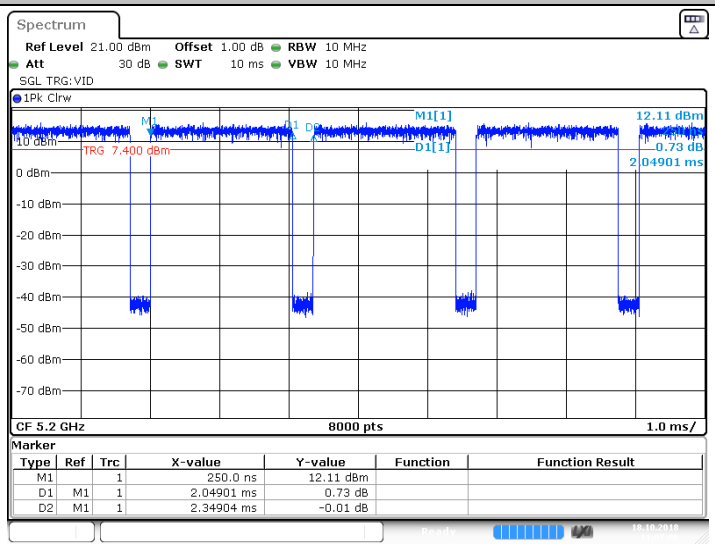
11A_Ant2_5180


11A_Ant1_5200



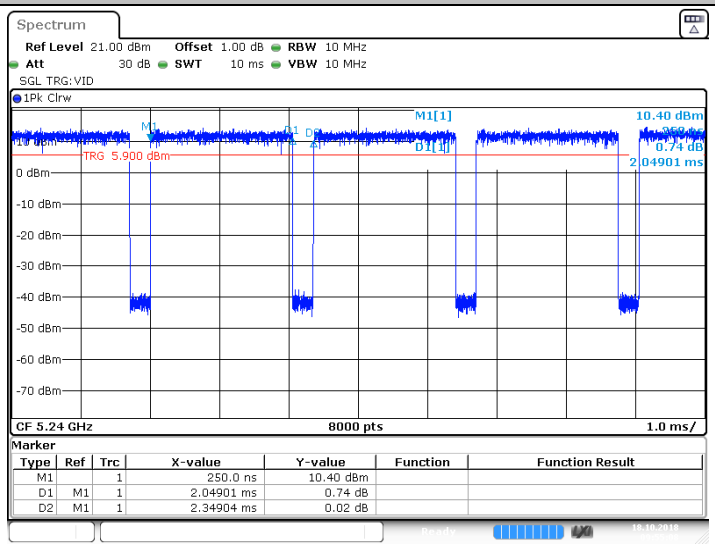
Date: 17.OCT.2018 16:31:57

11A_Ant2_5200



Date: 18.OCT.2018 11:07:06

11A_Ant1_5240



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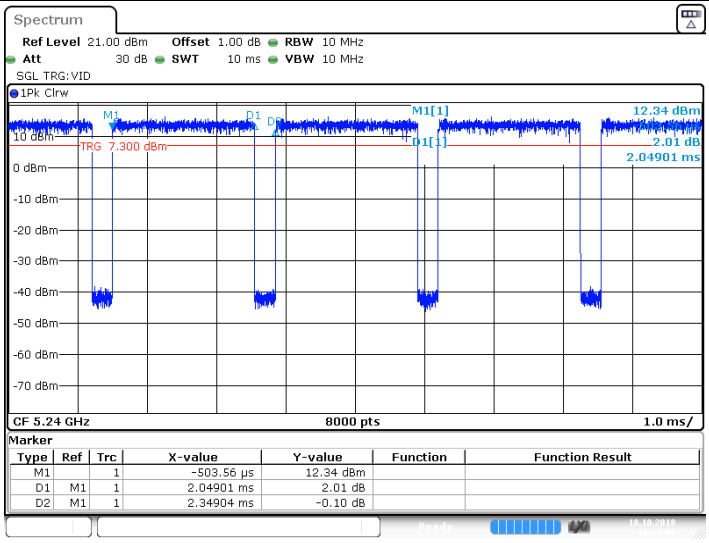
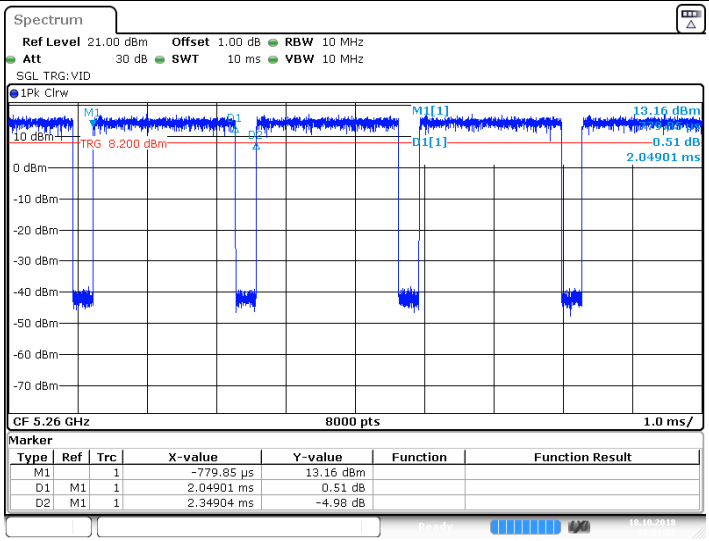
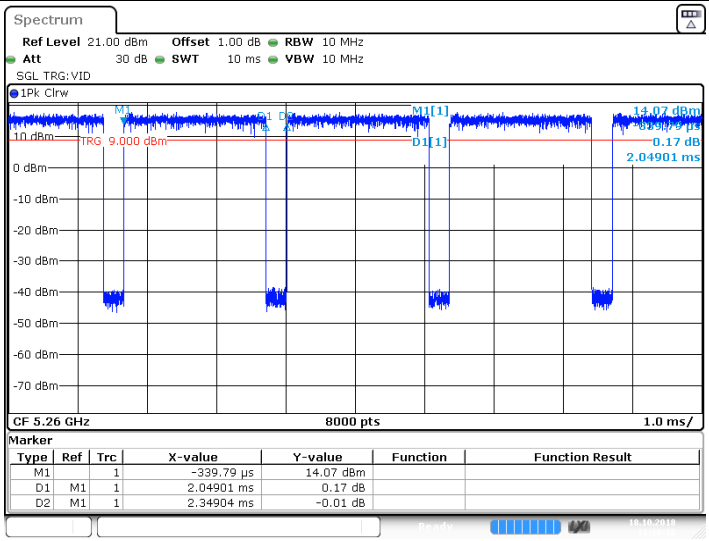


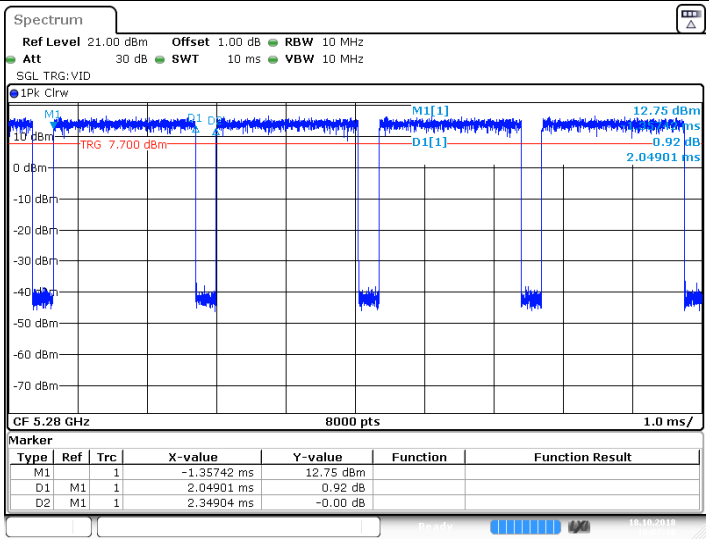
11A_Ant1_5260



11A_Ant2_5260



11A_Ant1_5280



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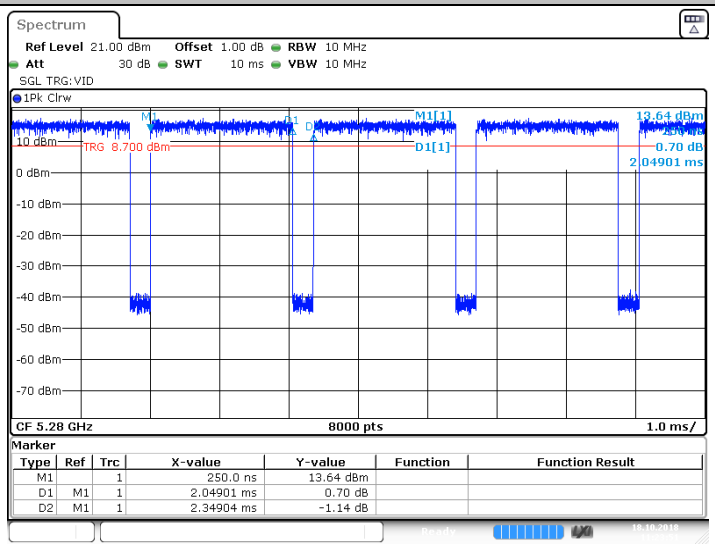
11A_Ant2_5280



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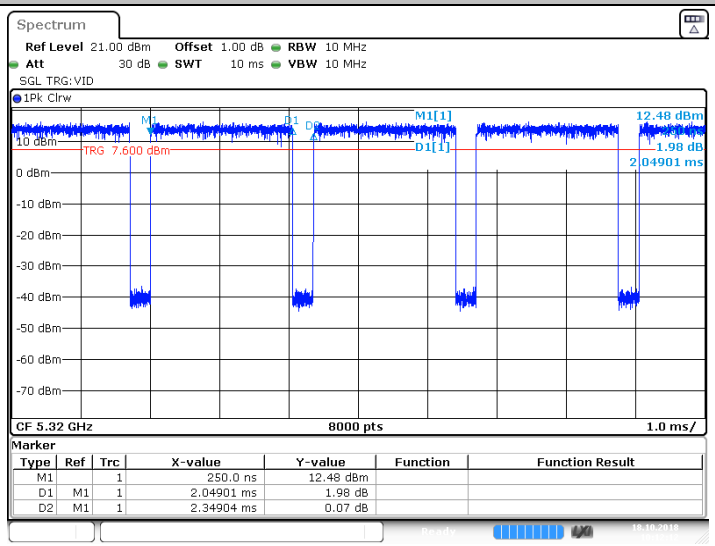
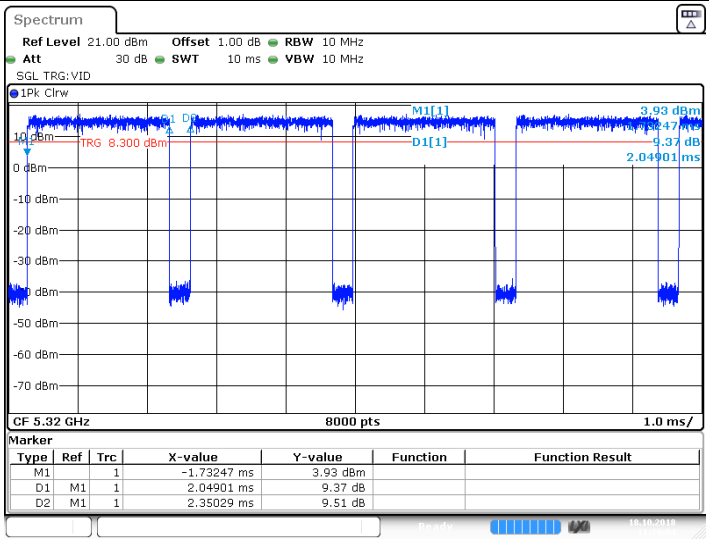
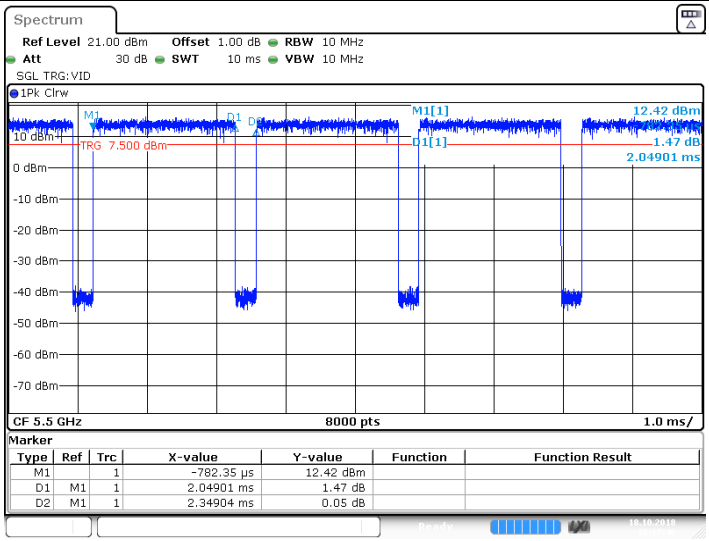
11A_Ant1_5320



11A_Ant2_5320



11A_Ant1_5500



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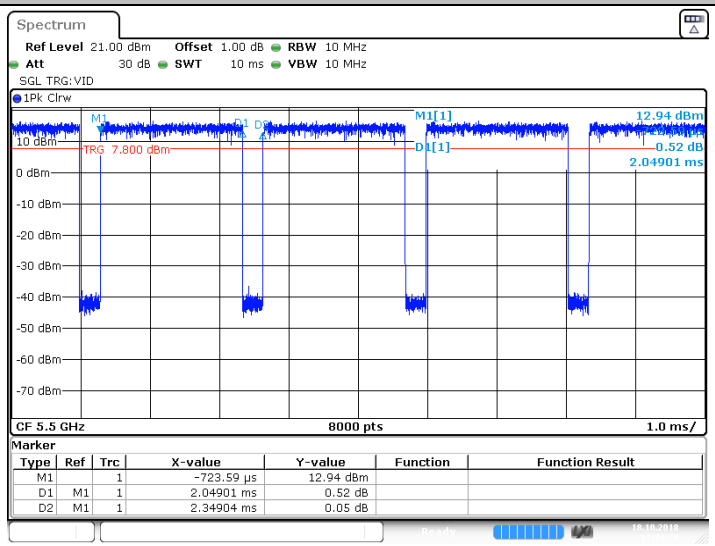
11A_Ant2_5500



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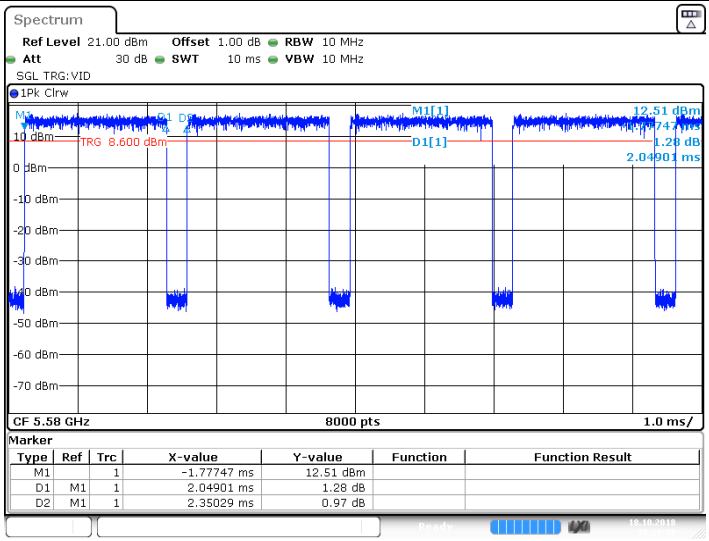
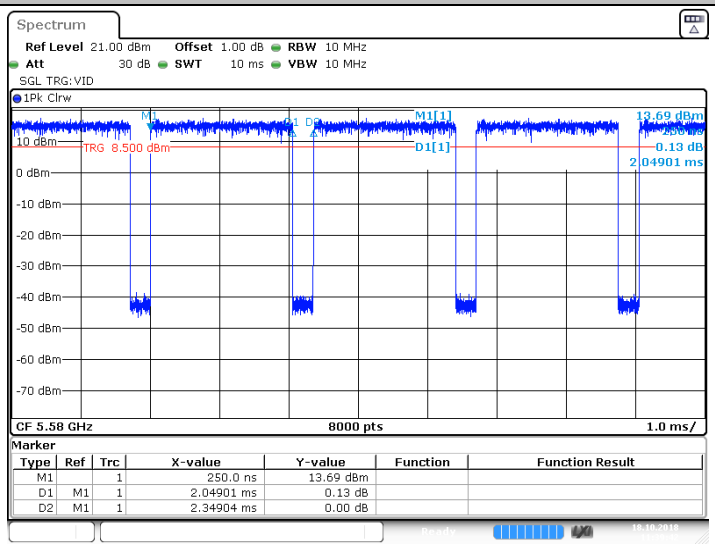
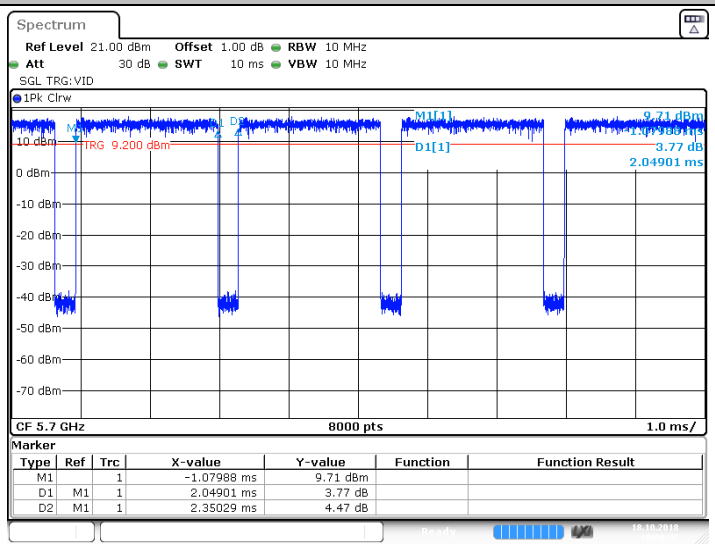
11A_Ant1_5580



11A_Ant2_5580



11A_Ant1_5700



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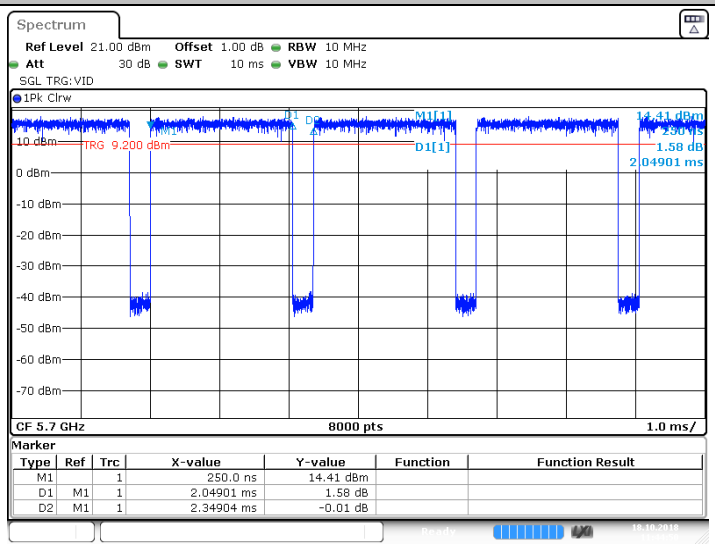
11A_Ant2_5700



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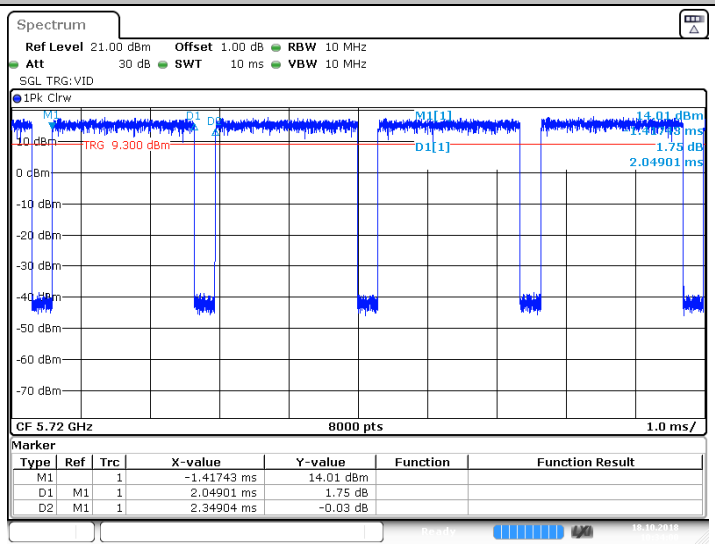
11A_Ant1_5720



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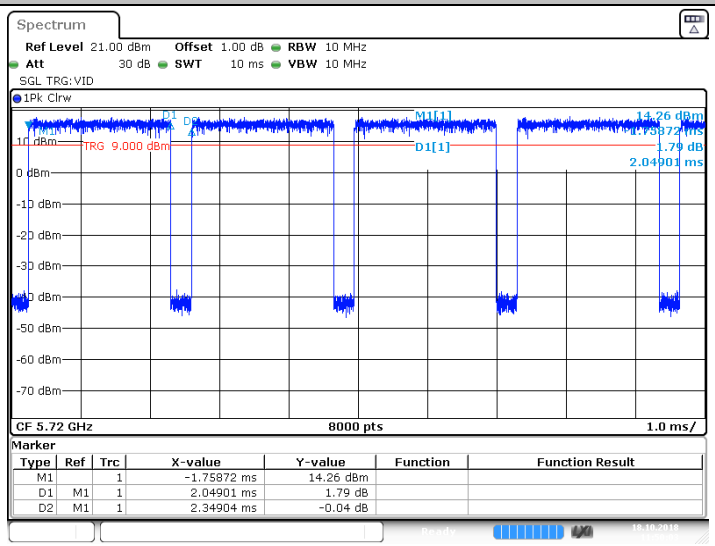
11A_Ant2_5720



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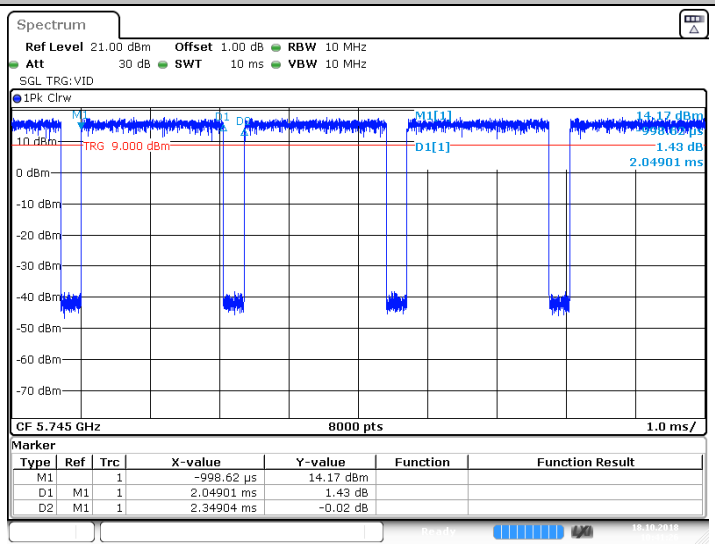

Date: 18.OCT.2018 10:41:27

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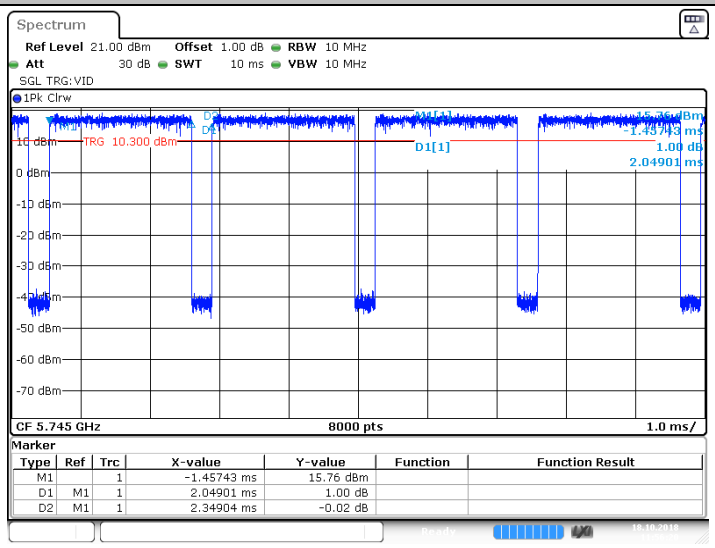
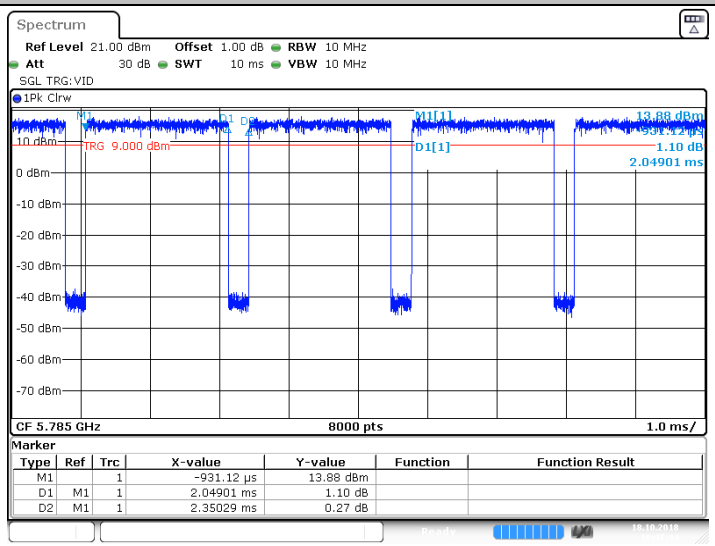


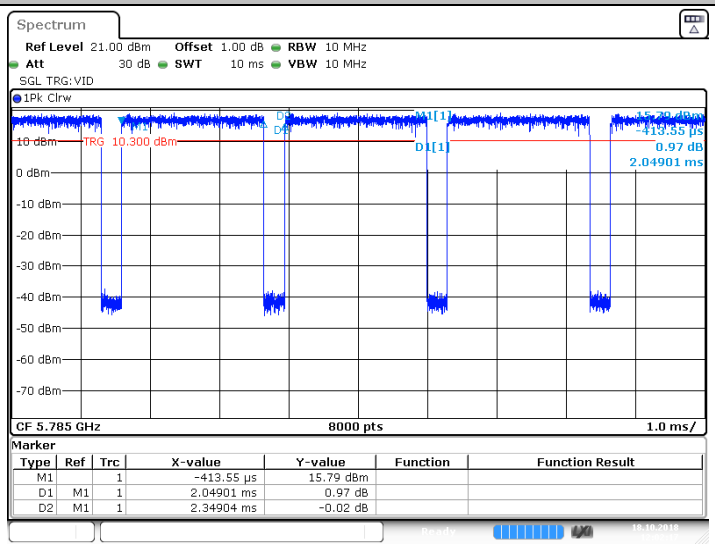
Date: 18.OCT.2018 11:56:21

11A_Ant1_5785



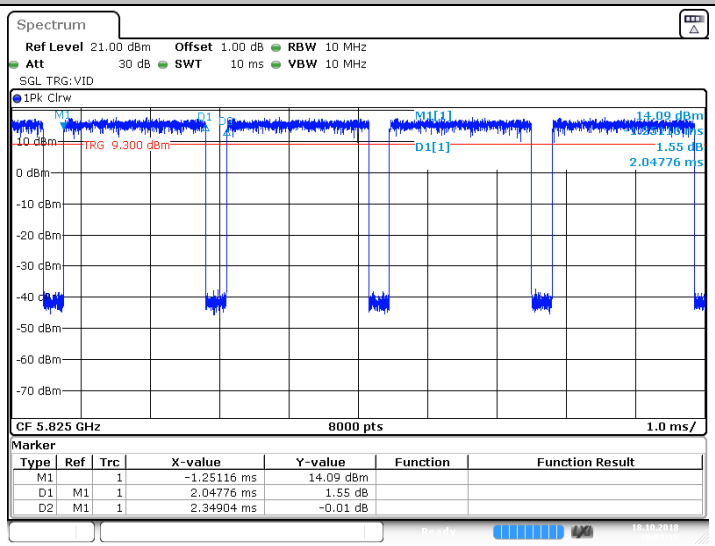
Date: 18.OCT.2018 10:47:44

11A_Ant2_5785



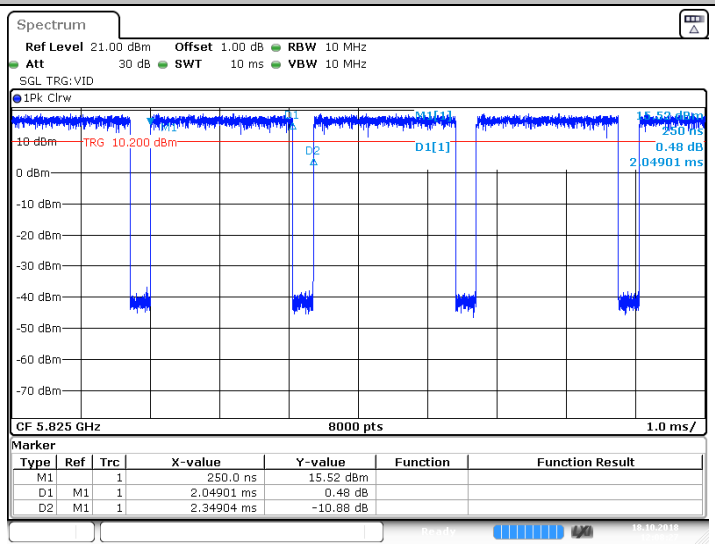
Date: 18.OCT.2018 12:02:17

11A_Ant1_5825



Date: 18.OCT.2018 10:53:15

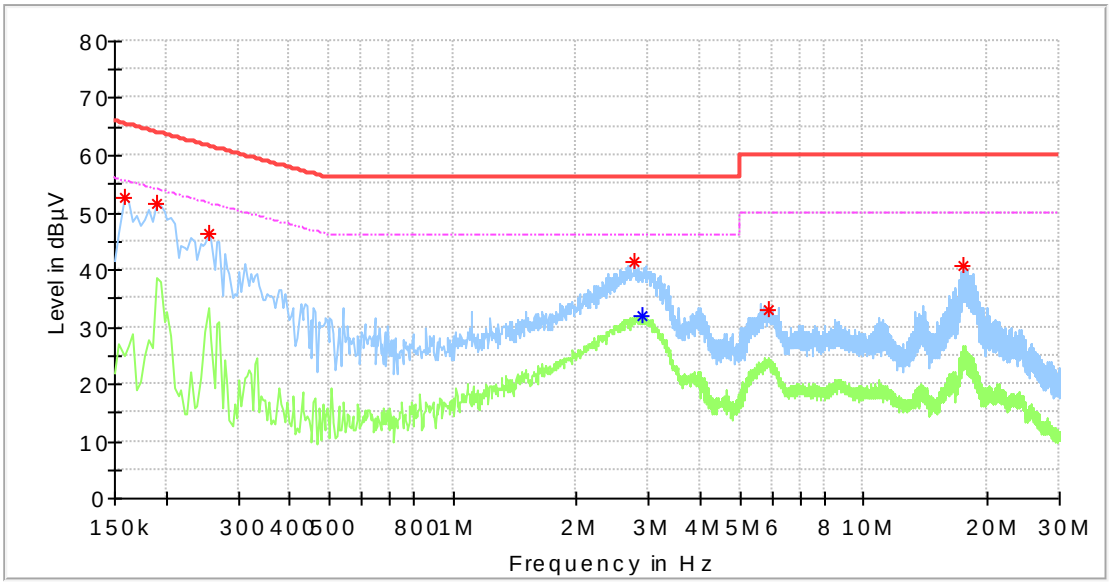
11A_Ant2_5825



Date: 18.OCT.2018 12:08:27

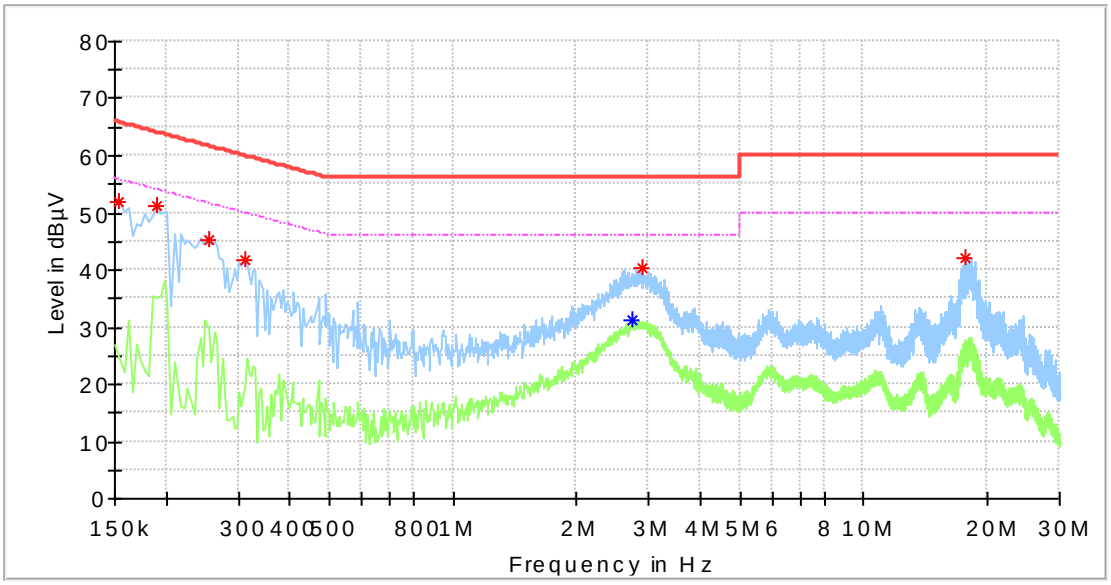
Appendix A11: Conducted emission

M/N: C1
Op Cond.: USB Playing
Test Spec: Power Line, Live
Comment: 120VAC, 60Hz



Frequency	MaxPeak	Average	Limit	Margin	Line	Corr.
0.158000	52.46	---	65.57	13.11	L1	10.2
0.190000	51.68	---	64.04	12.36	L1	10.2
0.254000	46.43	---	61.63	15.20	L1	10.2
2.762000	41.27	---	56.00	14.73	L1	10.3
2.878000	---	32.07	46.00	13.93	L1	10.3
5.842000	33.12	---	60.00	26.88	L1	10.5
17.414000	40.82	---	60.00	19.18	L1	10.9

M/N: C1
Op Cond.: USB Playing
Test Spec: Power Line, Neutral
Comment: 120VAC, 60Hz



Frequency	MaxPeak	Average	Limit	Margin	Line	Corr.
0.154000	51.99	---	65.78	13.79	N	10.2
0.190000	51.19	---	64.04	12.85	N	10.2
0.254000	45.37	---	61.63	16.26	N	10.2
0.310000	41.70	---	59.97	18.27	N	10.3
2.738000	---	31.24	46.00	14.76	N	10.4
2.878000	40.32	---	56.00	15.68	N	10.4
17.646000	42.10	---	60.00	17.90	N	11.1