

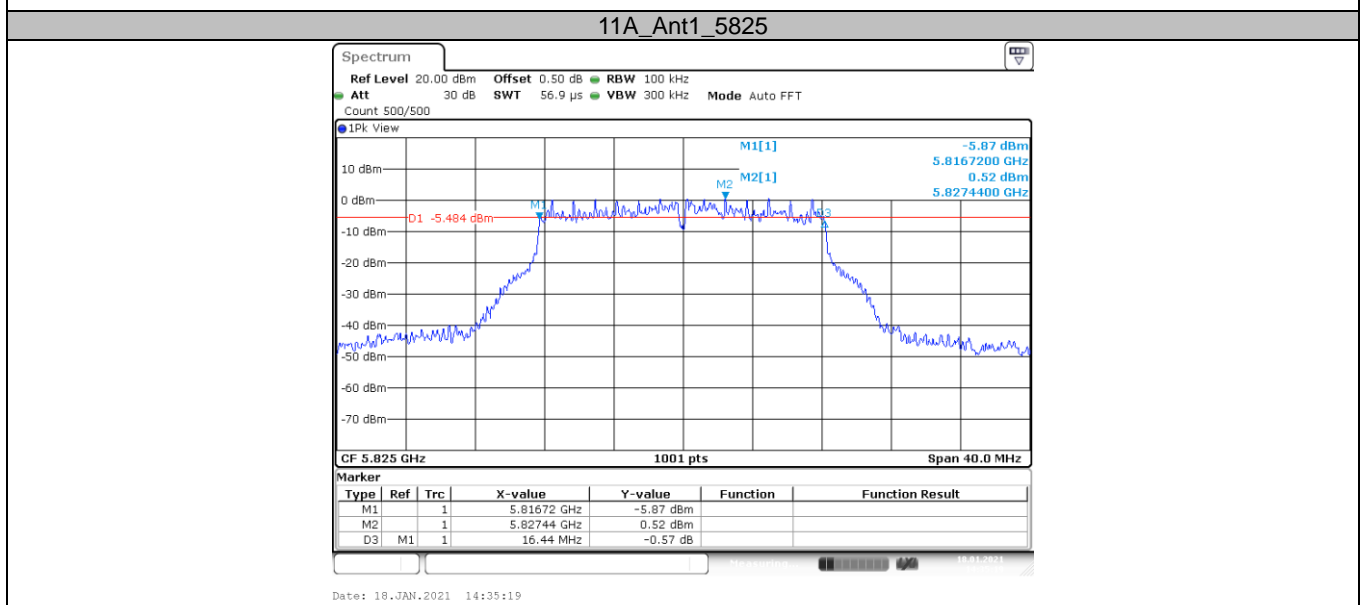
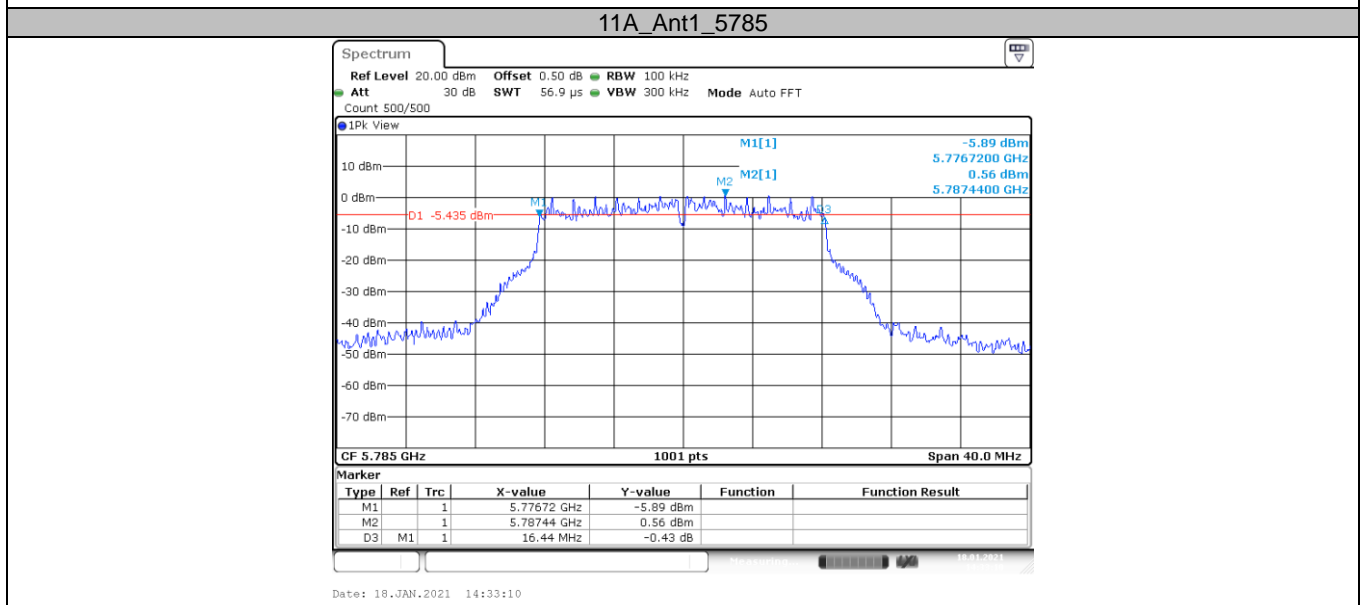
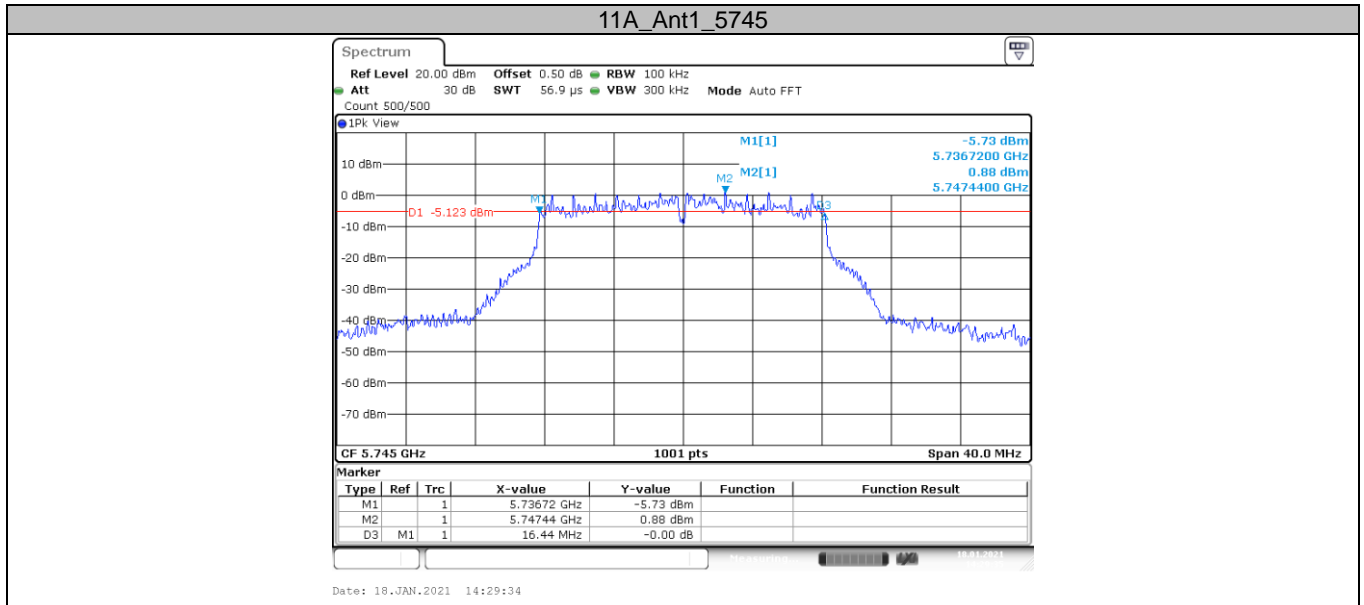
**Appendix A3: Min emission bandwidth**

## 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
		5785	16.440	5776.720	5793.160	0.5	PASS
		5825	16.440	5816.720	5833.160	0.5	PASS
11N20SISO	Ant1	5745	17.760	5736.040	5753.800	0.5	PASS
		5785	17.720	5776.080	5793.800	0.5	PASS
		5825	17.760	5816.040	5833.800	0.5	PASS
11N40SISO	Ant1	5755	36.560	5736.680	5773.240	0.5	PASS
		5795	36.480	5776.760	5813.240	0.5	PASS
11AC20SISO	Ant1	5745	17.760	5736.040	5753.800	0.5	PASS
		5785	17.760	5776.040	5793.800	0.5	PASS
		5825	17.800	5816.040	5833.840	0.5	PASS
11AC40SISO	Ant1	5755	36.560	5736.680	5773.240	0.5	PASS
		5795	36.560	5776.680	5813.240	0.5	PASS
11AC80SISO	Ant1	5775	76.000	5737.240	5813.240	0.5	PASS

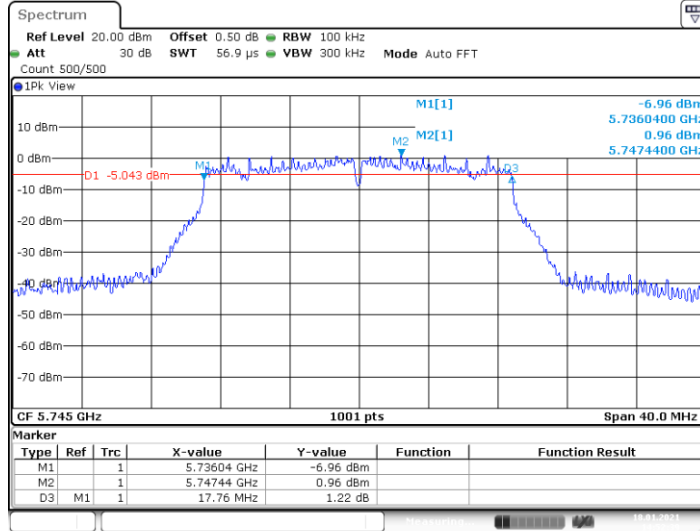


Test Graphs

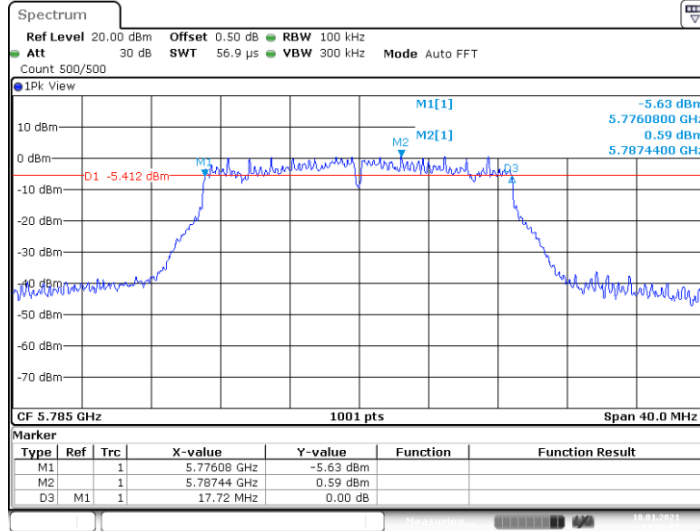




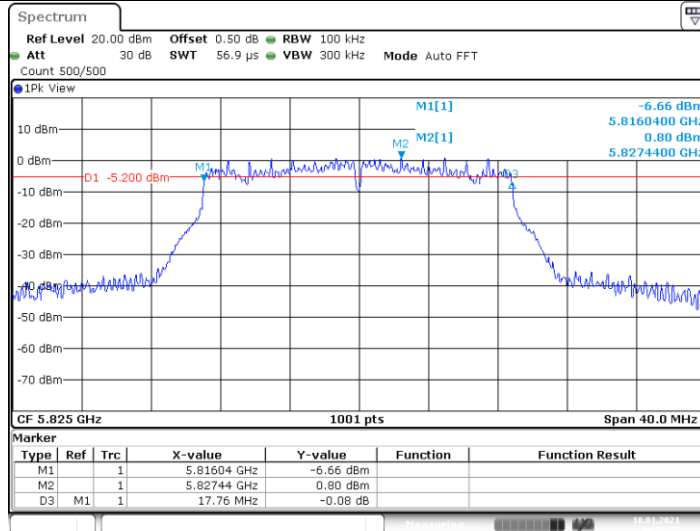
11N20SISO\_Ant1\_5745



11N20SISO\_Ant1\_5785

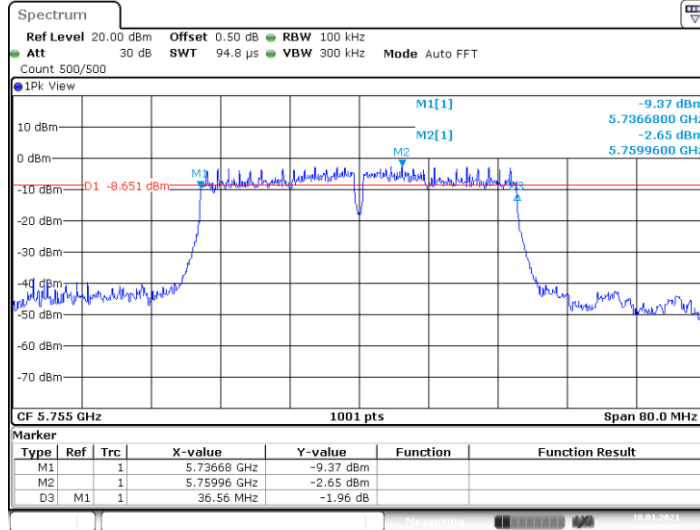


11N20SISO\_Ant1\_5825

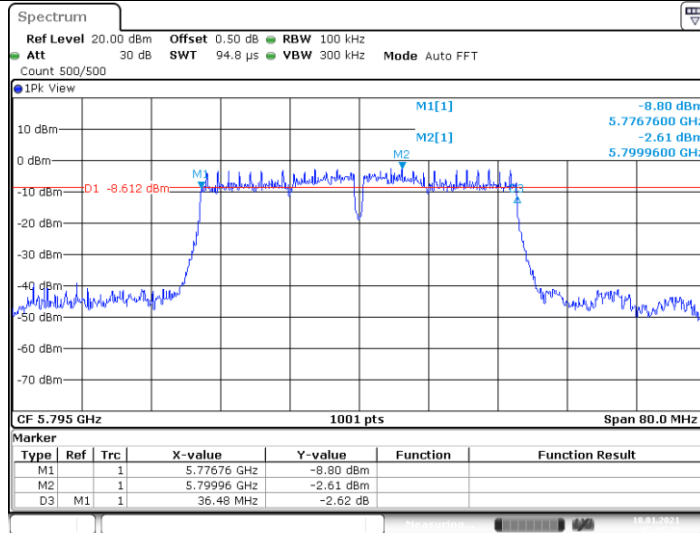




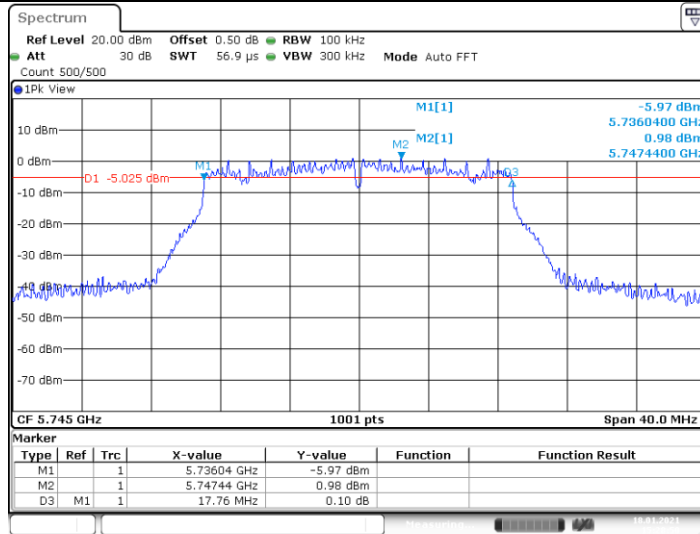
11N40SISO\_Ant1\_5755



11N40SISO\_Ant1\_5795

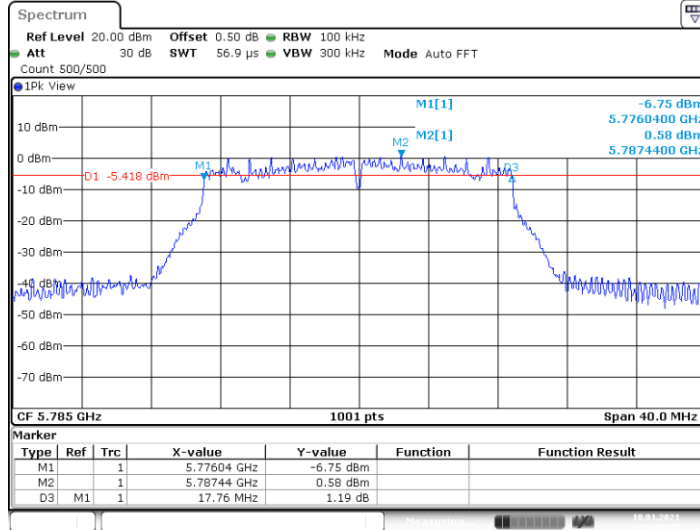


11AC20SISO\_Ant1\_5745



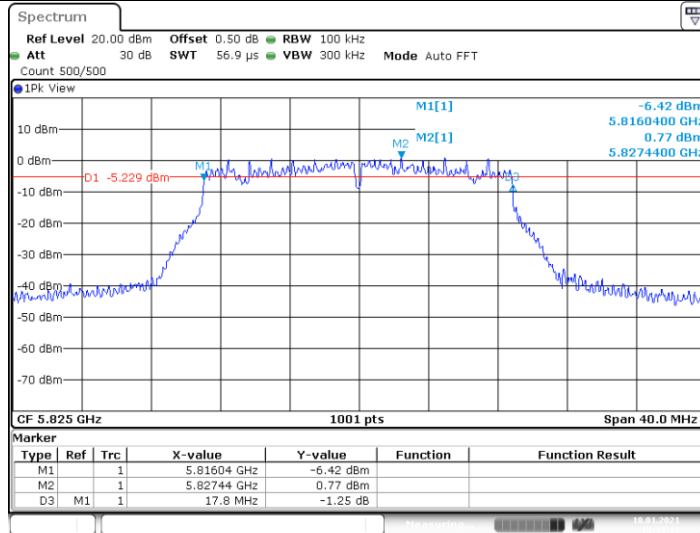


11AC20SISO\_Ant1\_5785



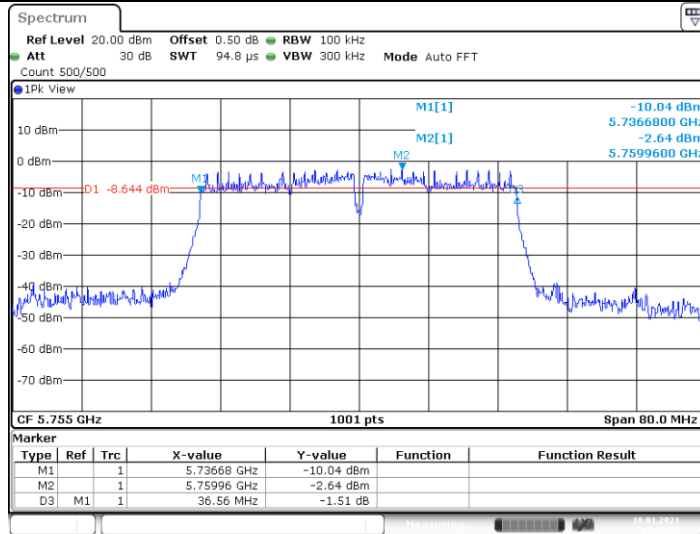
Date: 18.JAN.2021 15:32:25

11AC20SISO\_Ant1\_5825



Date: 18.JAN.2021 15:35:15

11AC40SISO\_Ant1\_5755



Date: 18.JAN.2021 15:46:32

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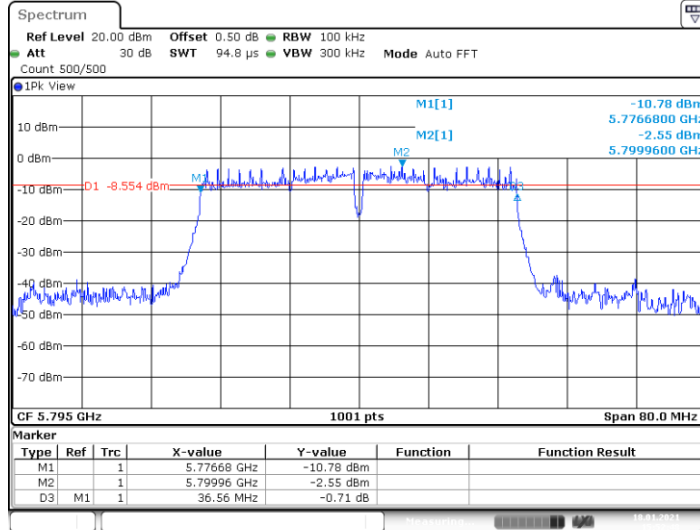
1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China  
 Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn



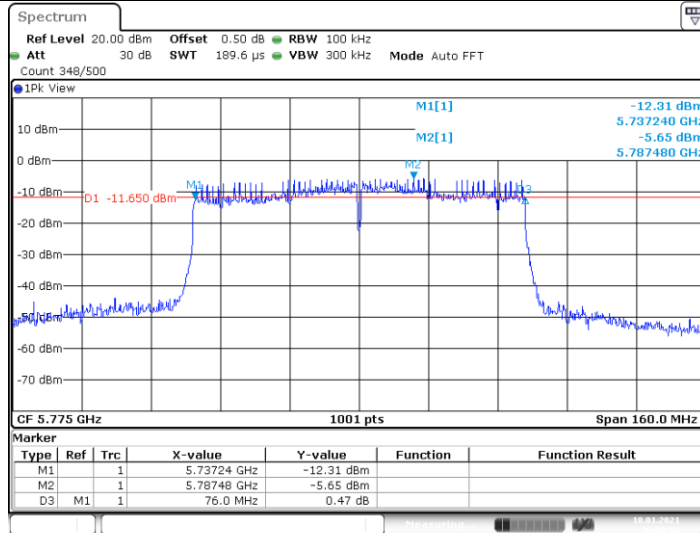
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11AC40SISO\_Ant1\_5795



11AC80SISO\_Ant1\_5775





**Appendix B: Maximum conducted output power**

## Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5180	13.24	<=24	PASS
		5200	13.29	<=24	PASS
		5240	13.03	<=24	PASS
		5745	12.61	<=30	PASS
		5785	12.32	<=30	PASS
		5825	12.28	<=30	PASS
11N20SISO	Ant1	5180	12.88	<=24	PASS
		5200	13.20	<=24	PASS
		5240	13.09	<=24	PASS
		5745	12.67	<=30	PASS
		5825	12.27	<=30	PASS
11N40SISO	Ant1	5190	12.27	<=24	PASS
		5230	12.28	<=24	PASS
		5755	12.13	<=30	PASS
		5795	11.95	<=30	PASS
11AC20SISO	Ant1	5180	12.94	<=24	PASS
		5200	13.18	<=24	PASS
		5240	13.10	<=24	PASS
		5745	12.70	<=30	PASS
		5825	12.25	<=30	PASS
11AC40SISO	Ant1	5190	12.26	<=30	PASS
		5230	12.39	<=24	PASS
		5755	12.43	<=24	PASS
		5795	12.13	<=30	PASS
11AC80SISO	Ant1	5210	11.98	<=30	PASS
		5210	10.94	<=24	PASS
		5775	10.80	<=30	PASS

Note: Test results increased RF cable loss by 0.5dB.

The Duty Cycle Factor is compensated in the graph.

**Appendix C: Maximum power spectral density**

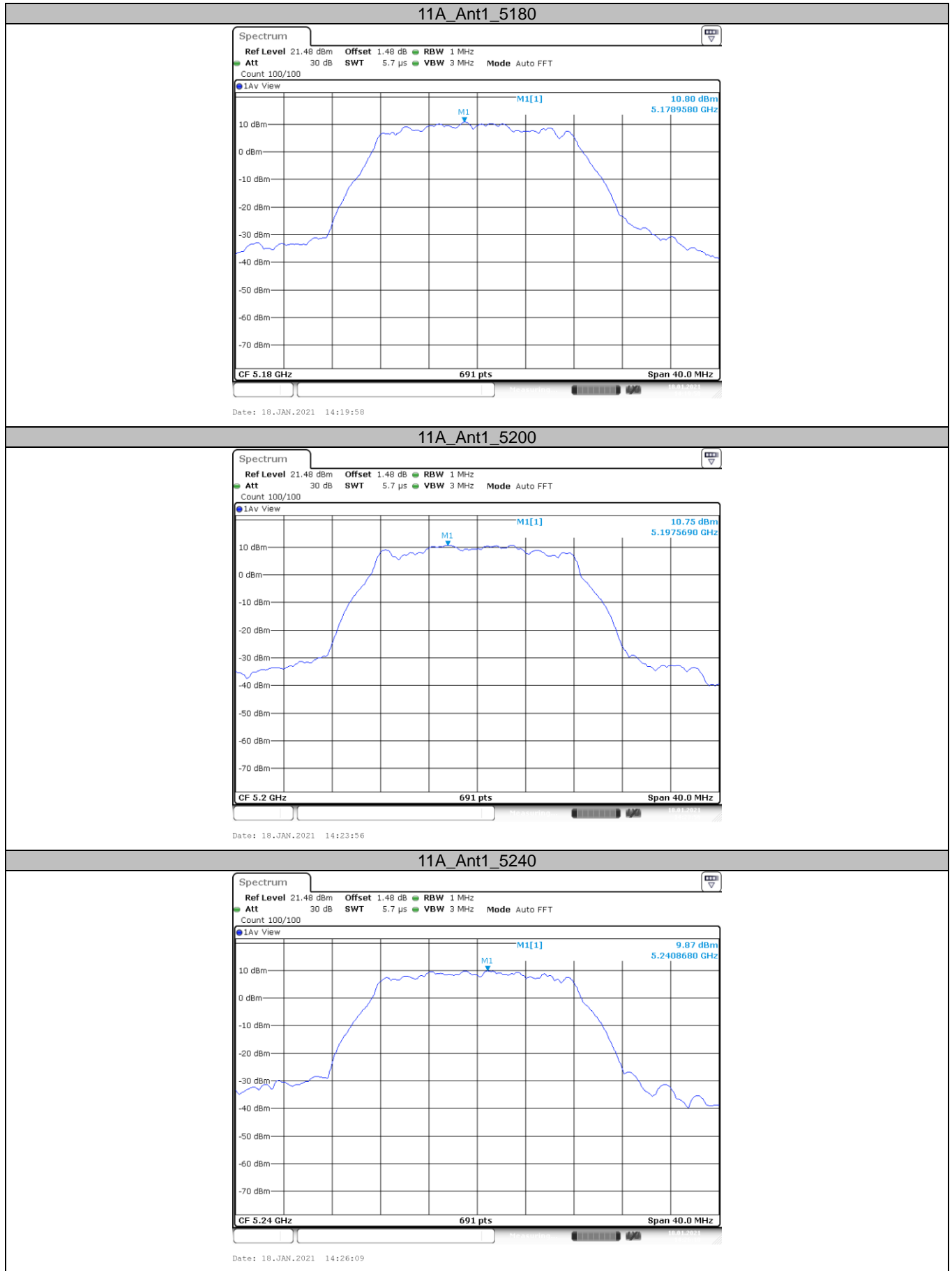
## Test Result

TestMode	Antenna	Channel	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	10.8	<=11	PASS
		5200	10.75	<=11	PASS
		5240	9.87	<=11	PASS
		5745	6.77	<=30	PASS
		5785	7.62	<=30	PASS
		5825	7.61	<=30	PASS
11N20SISO	Ant1	5180	10.08	<=11	PASS
		5200	10.27	<=11	PASS
		5240	10.44	<=11	PASS
		5745	6.77	<=30	PASS
		5785	6.82	<=30	PASS
		5825	7.49	<=30	PASS
11N40SISO	Ant1	5190	6.43	<=11	PASS
		5230	7.47	<=11	PASS
		5755	3.59	<=30	PASS
		5795	5.76	<=30	PASS
11AC20SISO	Ant1	5180	9.8	<=11	PASS
		5200	10.45	<=11	PASS
		5240	10.94	<=11	PASS
		5745	7.81	<=30	PASS
		5785	6.76	<=30	PASS
		5825	7.2	<=30	PASS
11AC40SISO	Ant1	5190	6.5	<=11	PASS
		5230	7.03	<=11	PASS
		5755	3.53	<=30	PASS
		5795	4.47	<=30	PASS
11AC80SISO	Ant1	5210	3.89	<=11	PASS
		5775	0.62	<=30	PASS

Note : 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.  
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

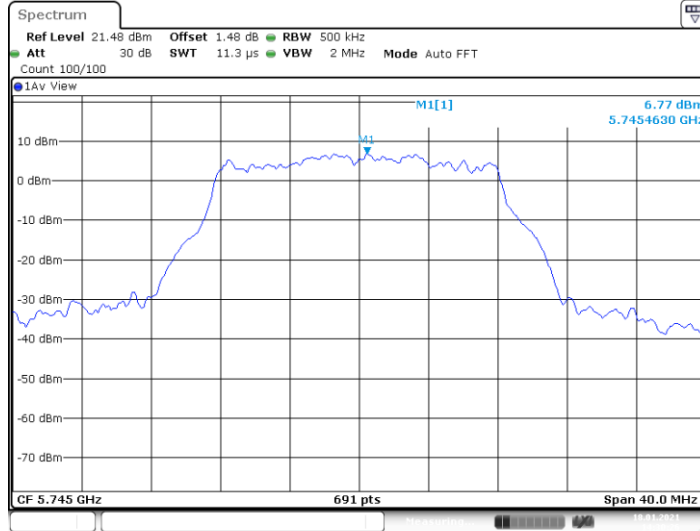


Test Graphs



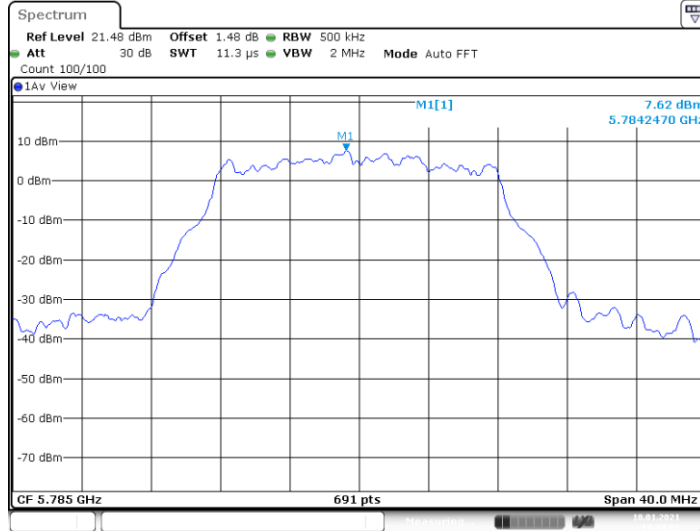


11A\_Ant1\_5745



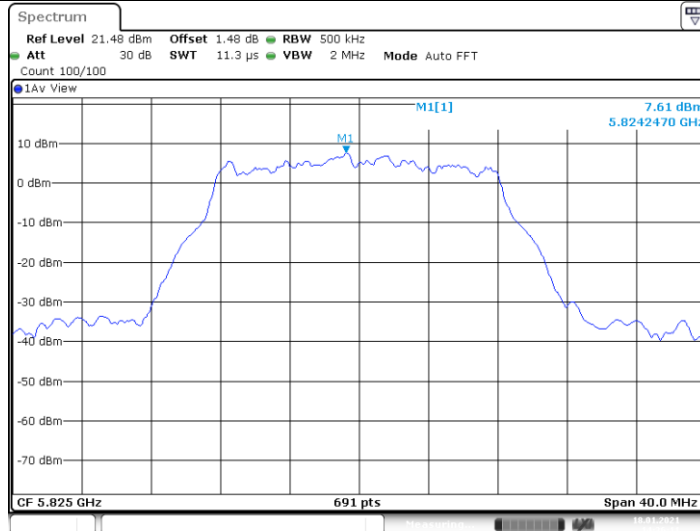
Date: 18.JAN.2021 14:30:25

11A\_Ant1\_5785



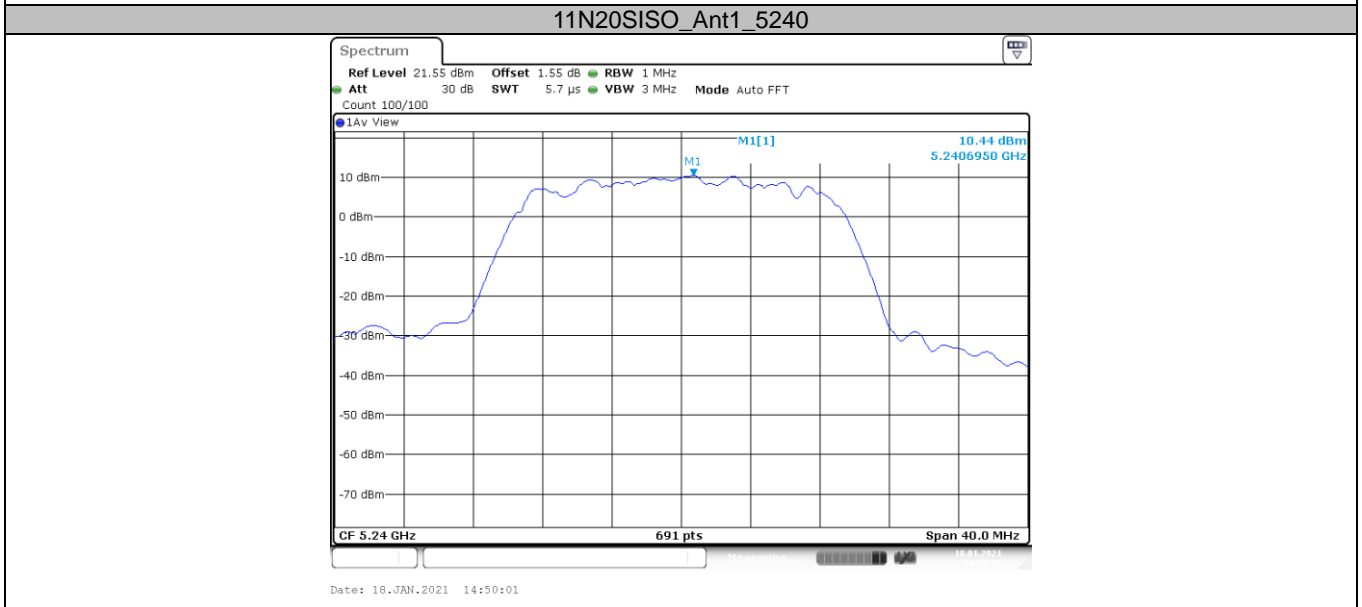
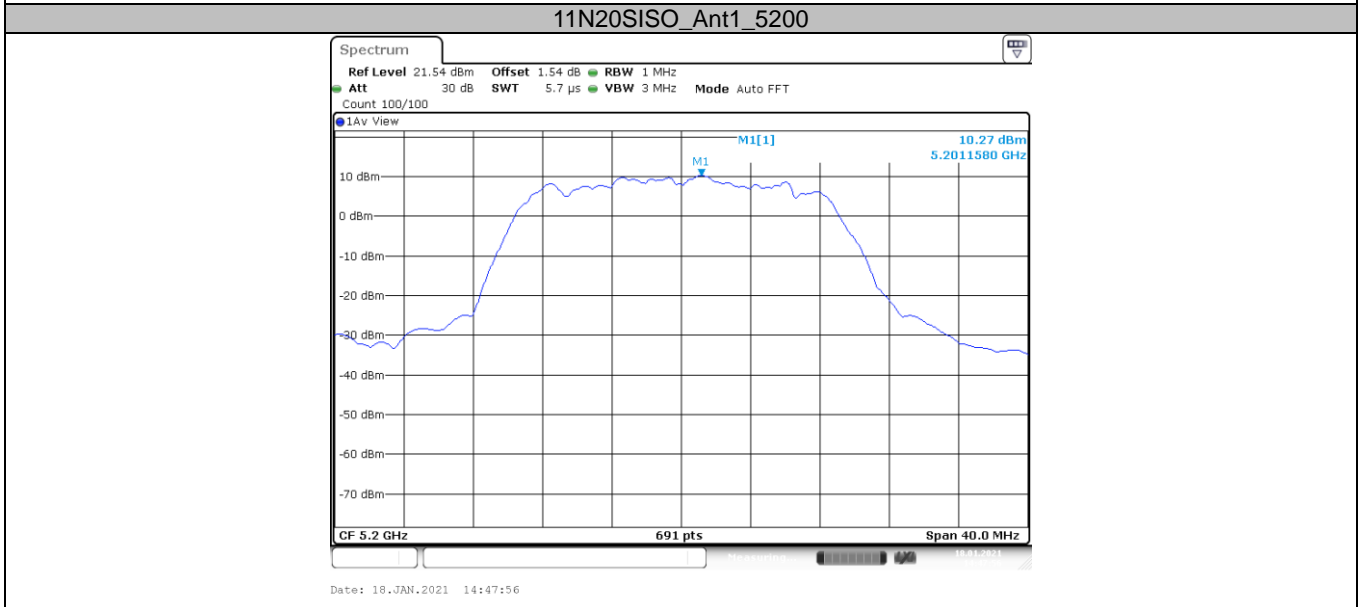
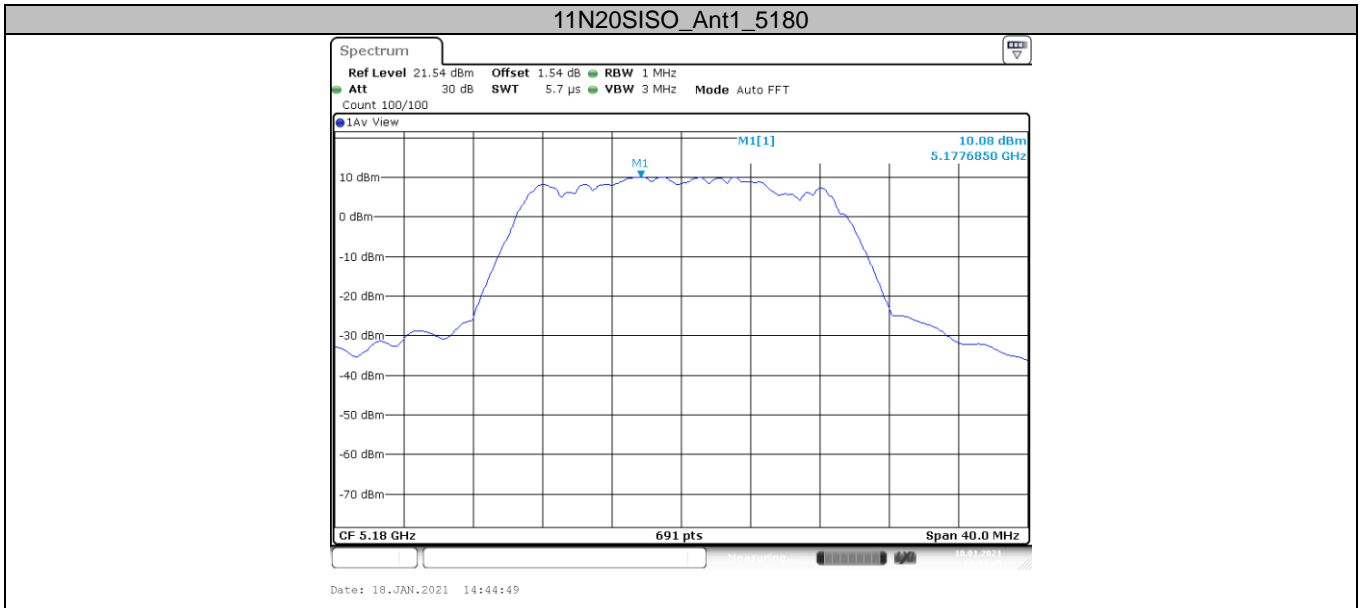
Date: 18.JAN.2021 14:34:01

11A\_Ant1\_5825



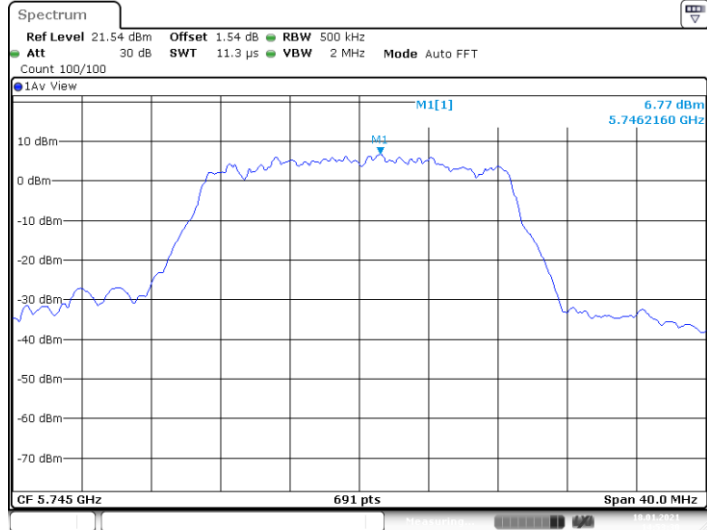
Date: 18.JAN.2021 14:36:11





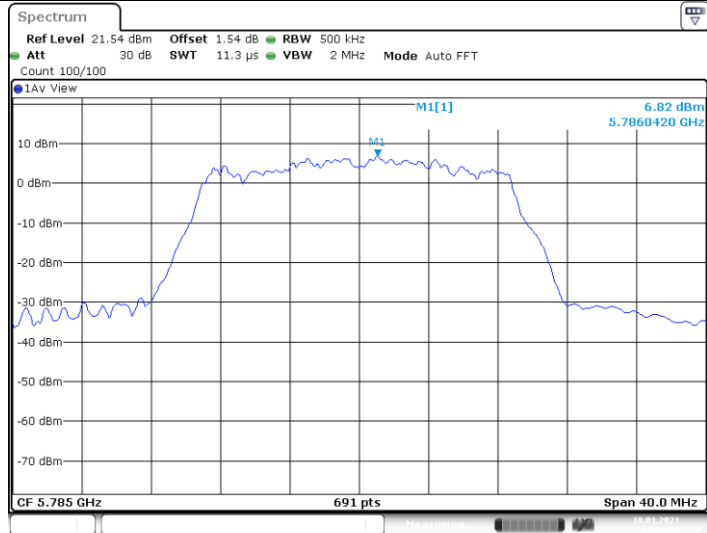


11N20SISO\_Ant1\_5745



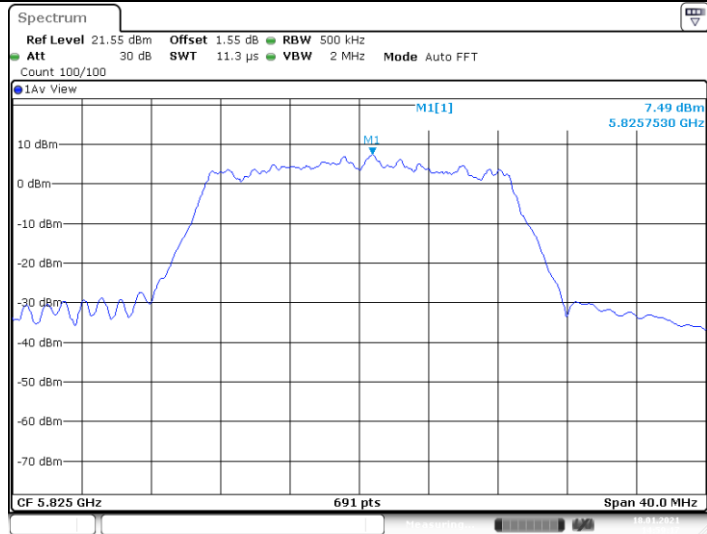
Date: 18.JAN.2021 14:53:29

11N20SISO\_Ant1\_5785



Date: 18.JAN.2021 14:56:58

11N20SISO\_Ant1\_5825



Date: 18.JAN.2021 14:59:17

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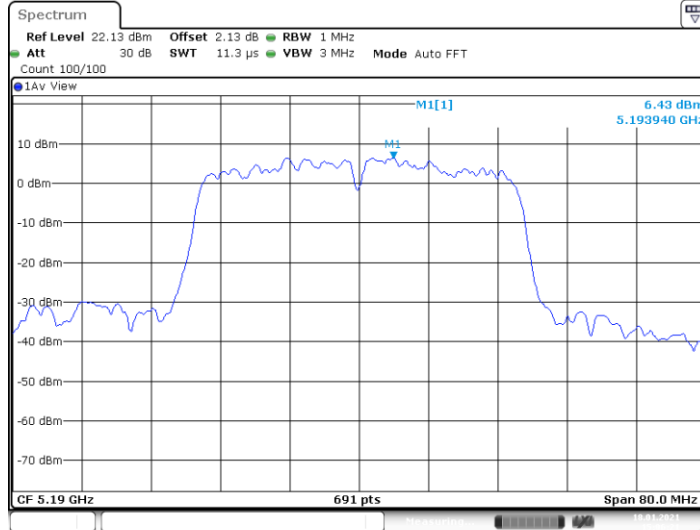
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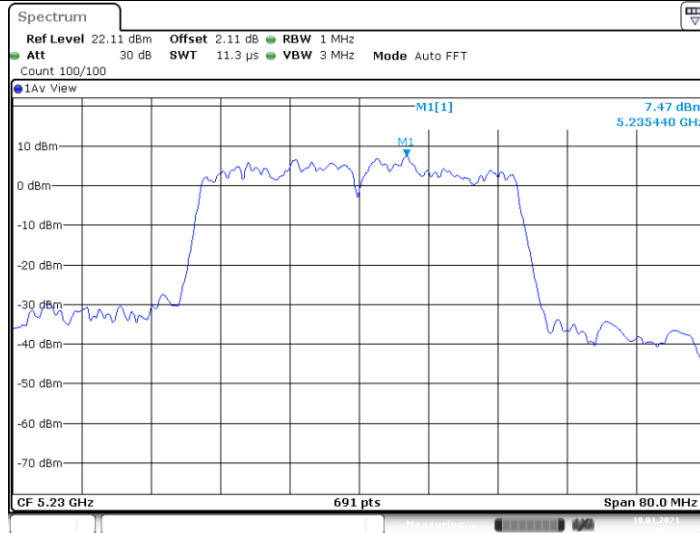


11N40SISO\_Ant1\_5190



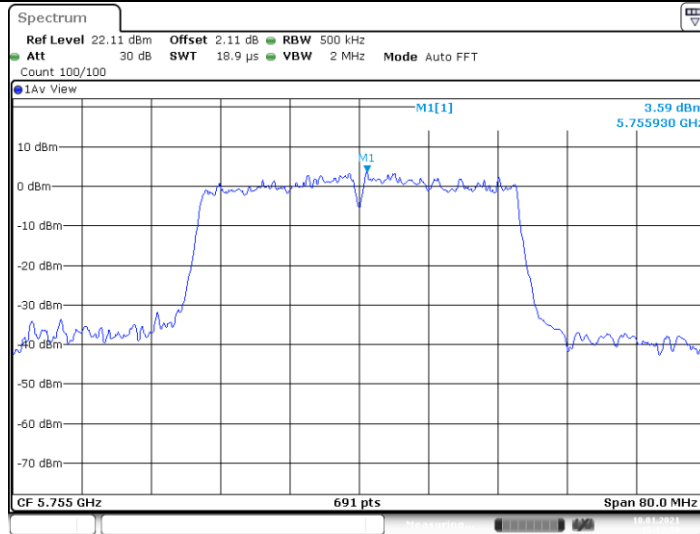
Date: 18.JAN.2021 15:06:22

11N40SISO\_Ant1\_5230



Date: 18.JAN.2021 15:09:23

11N40SISO\_Ant1\_5755



Date: 18.JAN.2021 15:12:59

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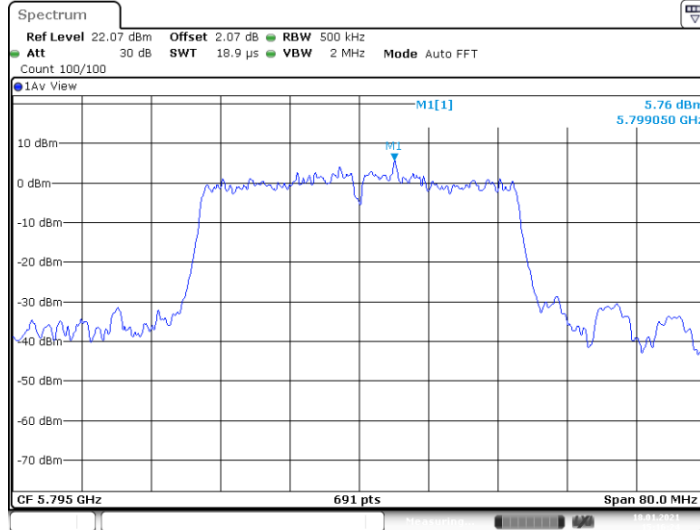
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Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn



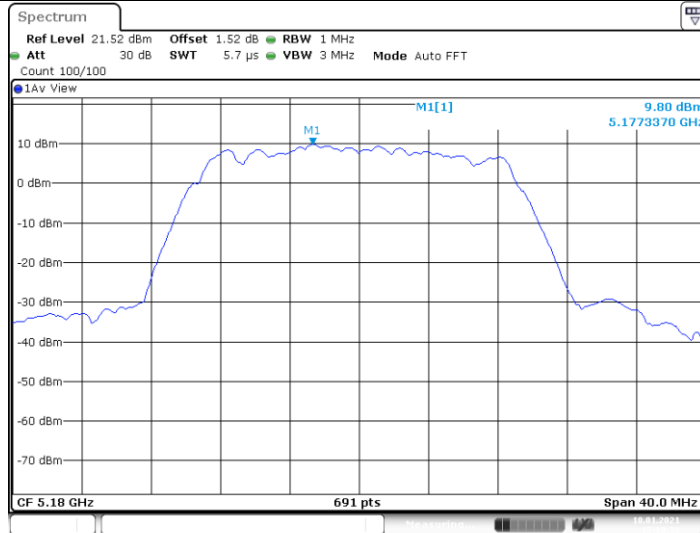
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11N40SISO\_Ant1\_5795



11AC20SISO\_Ant1\_5180



11AC20SISO\_Ant1\_5200



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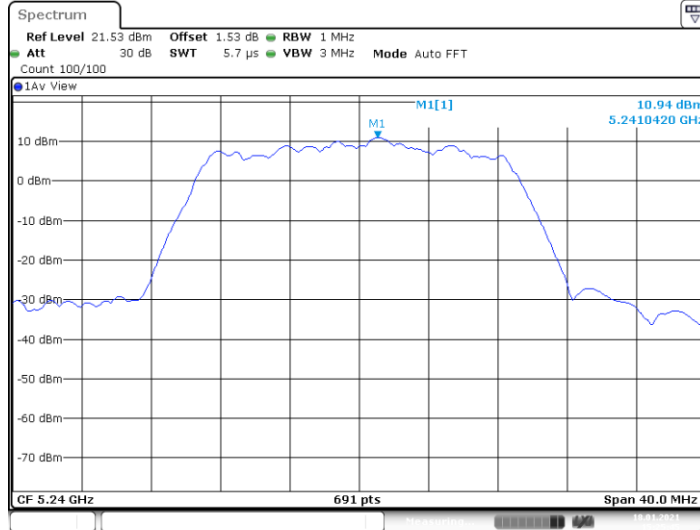


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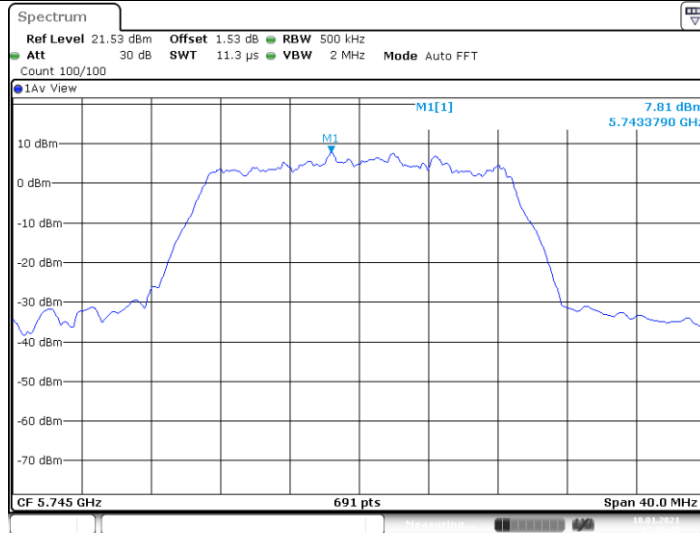


11AC20SISO\_Ant1\_5240



Date: 18.JAN.2021 15:25:45

11AC20SISO\_Ant1\_5745



Date: 18.JAN.2021 15:29:42

11AC20SISO\_Ant1\_5785



Date: 18.JAN.2021 15:33:16

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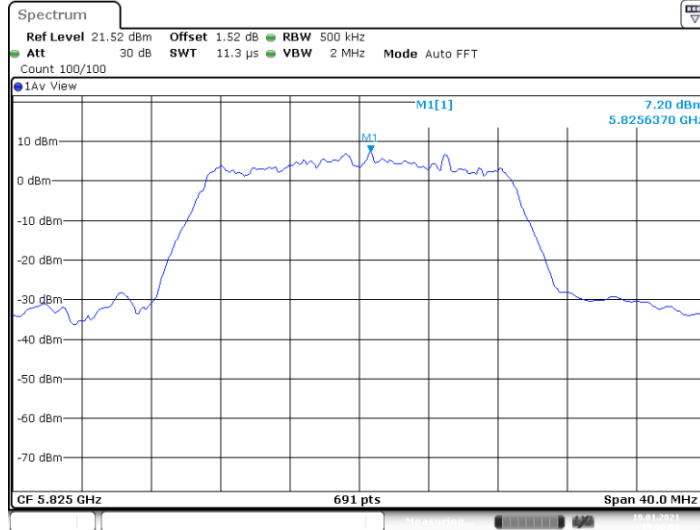
1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China  
Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn



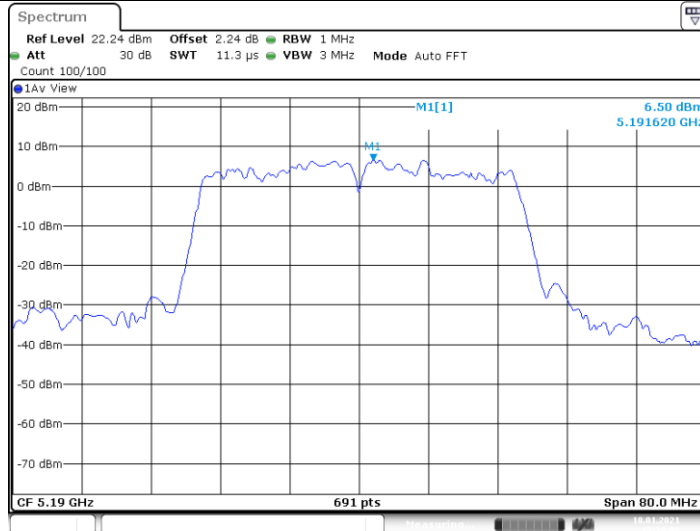
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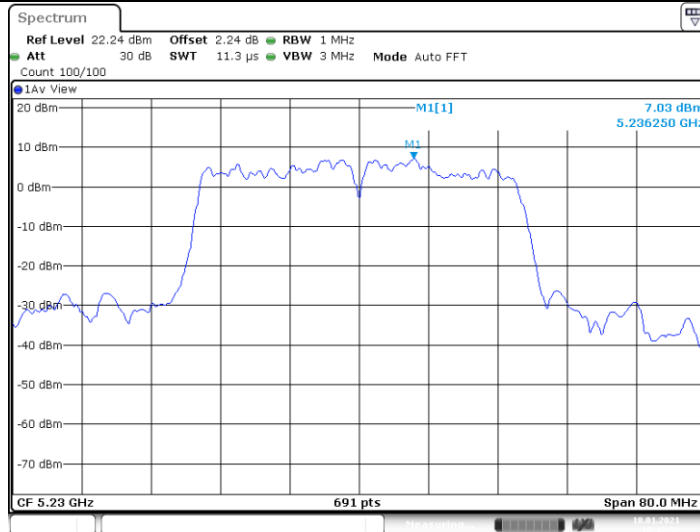
11AC20SISO\_Ant1\_5825



11AC40SISO\_Ant1\_5190

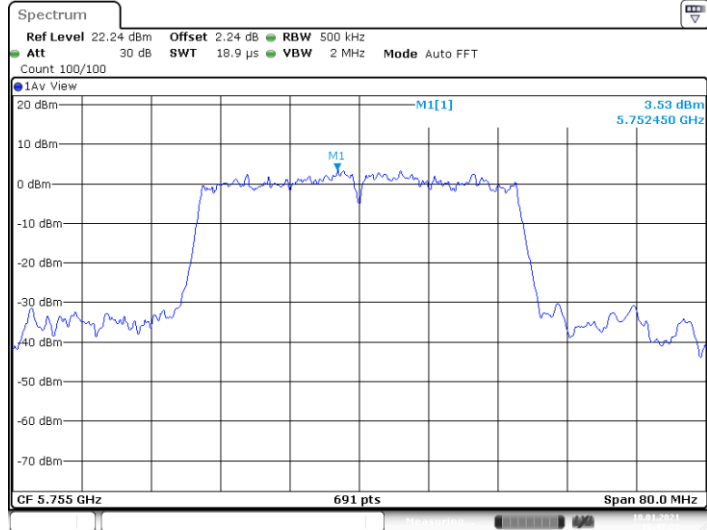


11AC40SISO\_Ant1\_5230

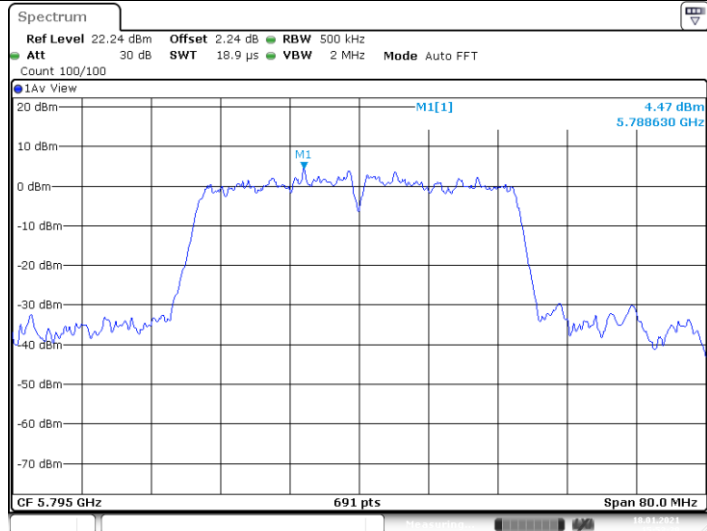




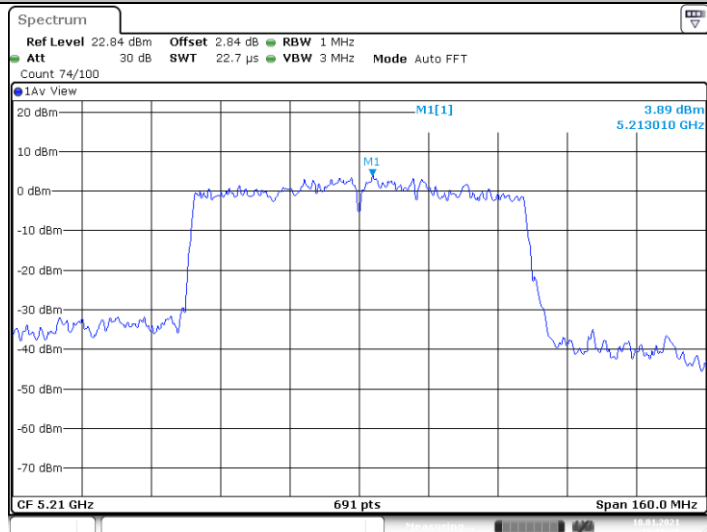
11AC40SISO\_Ant1\_5755

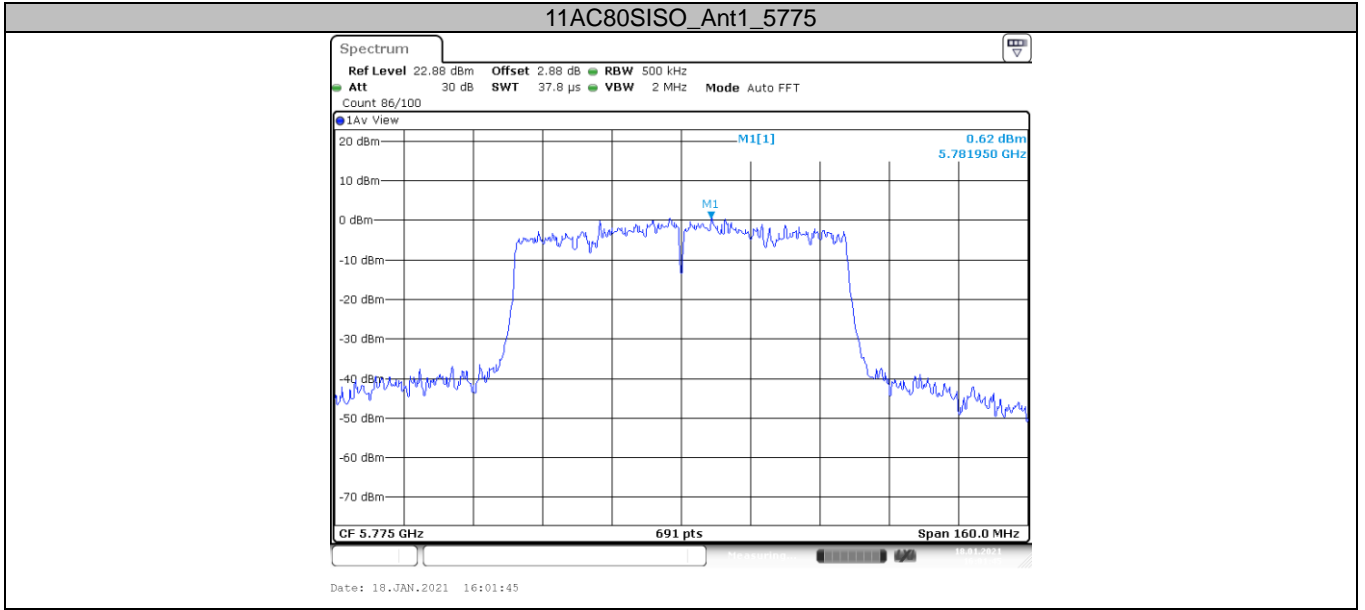


11AC40SISO\_Ant1\_5795



11AC80SISO\_Ant1\_5210





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### Appendix D: Frequency Stability

Test Result

Voltage								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11AC20SI SO	Ant1	5180	NV	NT	-59900	-11.563707	20	PASS
			LV	NT	-61900	-11.949807	20	PASS
			HV	NT	-61900	-11.949807	20	PASS
		5200	NV	NT	-63900	-12.288462	20	PASS
			LV	NT	-62900	-12.096154	20	PASS
			HV	NT	-62900	-12.096154	20	PASS
		5240	NV	NT	-63900	-12.194656	20	PASS
			LV	NT	-63900	-12.194656	20	PASS
			HV	NT	-63900	-12.194656	20	PASS
		5745	NV	NT	-69900	-12.167102	20	PASS
			LV	NT	-69900	-12.167102	20	PASS
			HV	NT	-69900	-12.167102	20	PASS
		5785	NV	NT	-70900	-12.255834	20	PASS
			LV	NT	-69900	-12.082973	20	PASS
			HV	NT	-70900	-12.255834	20	PASS
5825	NV	NT	-70900	-12.171674	20	PASS		
	LV	NT	-70900	-12.171674	20	PASS		
	HV	NT	-69900	-12	20	PASS		
11AC40SI SO	Ant1	5190	NV	NT	-64900	-12.504817	20	PASS
			LV	NT	-65900	-12.697495	20	PASS
			HV	NT	-66900	-12.890173	20	PASS
		5230	NV	NT	-67900	-12.982792	20	PASS
			LV	NT	-67900	-12.982792	20	PASS
			HV	NT	-67900	-12.982792	20	PASS
		5755	NV	NT	-73900	-12.841008	20	PASS
			LV	NT	-74900	-13.01477	20	PASS
			HV	NT	-74900	-13.01477	20	PASS
		5795	NV	NT	-73900	-12.752373	20	PASS
			LV	NT	-74900	-12.924935	20	PASS
			HV	NT	-74900	-12.924935	20	PASS
11AC80SI SO	Ant1	5210	NV	NT	-66900	-12.840691	20	PASS
			LV	NT	-66900	-12.840691	20	PASS
			HV	NT	-66900	-12.840691	20	PASS
		5775	NV	NT	-73900	-12.796537	20	PASS
			LV	NT	-73900	-12.796537	20	PASS
			HV	NT	-73900	-12.796537	20	PASS

Temperature								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11AC20SI SO	Ant1	5180	NV	-30	-61900	-11.949807	20	PASS
			NV	-20	-62900	-12.142857	20	PASS
			NV	-10	-62900	-12.142857	20	PASS
			NV	0	-62900	-12.142857	20	PASS
			NV	10	-62900	-12.142857	20	PASS
			NV	20	-62900	-12.142857	20	PASS
			NV	30	-62900	-12.142857	20	PASS

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			NV	40	-62900	-12.142857	20	PASS		
			NV	50	-63900	-12.335907	20	PASS		
		5200	NV	-30	-62900	-12.096154	20	PASS		
			NV	-20	-62900	-12.096154	20	PASS		
			NV	-10	-63900	-12.288462	20	PASS		
			NV	0	-63900	-12.288462	20	PASS		
			NV	10	-63900	-12.288462	20	PASS		
			NV	20	-63900	-12.288462	20	PASS		
			NV	30	-62900	-12.096154	20	PASS		
			NV	40	-63900	-12.288462	20	PASS		
			NV	50	-63900	-12.288462	20	PASS		
			5240	NV	-30	-63900	-12.194656	20	PASS	
		NV		-20	-63900	-12.194656	20	PASS		
		NV		-10	-63900	-12.194656	20	PASS		
		NV		0	-63900	-12.194656	20	PASS		
		NV		10	-64900	-12.385496	20	PASS		
		NV		20	-63900	-12.194656	20	PASS		
		NV		30	-63900	-12.194656	20	PASS		
		NV		40	-64900	-12.385496	20	PASS		
		5745	NV	50	-63900	-12.194656	20	PASS		
			NV	-30	-69900	-12.167102	20	PASS		
			NV	-20	-70900	-12.341166	20	PASS		
			NV	-10	-69900	-12.167102	20	PASS		
			NV	0	-69900	-12.167102	20	PASS		
			NV	10	-69900	-12.167102	20	PASS		
			NV	20	-69900	-12.167102	20	PASS		
			NV	30	-69900	-12.167102	20	PASS		
		5785	NV	40	-69900	-12.167102	20	PASS		
			NV	50	-69900	-12.167102	20	PASS		
			NV	-30	-70900	-12.255834	20	PASS		
			NV	-20	-70900	-12.255834	20	PASS		
			NV	-10	-71900	-12.428695	20	PASS		
			NV	0	-70900	-12.255834	20	PASS		
			NV	10	-69900	-12.082973	20	PASS		
			NV	20	-70900	-12.255834	20	PASS		
		5825	NV	30	-69900	-12.082973	20	PASS		
			NV	40	-70900	-12.255834	20	PASS		
			NV	50	-70900	-12.255834	20	PASS		
			NV	-30	-71900	-12.343348	20	PASS		
			NV	-20	-71900	-12.343348	20	PASS		
			NV	-10	-71900	-12.343348	20	PASS		
			NV	0	-71900	-12.343348	20	PASS		
			NV	10	-70900	-12.171674	20	PASS		
		11AC40SI SO	Ant1	5190	NV	20	-70900	-12.171674	20	PASS
					NV	30	-71900	-12.343348	20	PASS
					NV	40	-70900	-12.171674	20	PASS
					NV	50	-71900	-12.343348	20	PASS
					NV	-30	-66900	-12.890173	20	PASS
					NV	-20	-67900	-13.082852	20	PASS

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			NV	-10	-67900	-13.082852	20	PASS
			NV	0	-67900	-13.082852	20	PASS
			NV	10	-67900	-13.082852	20	PASS
			NV	20	-66900	-12.890173	20	PASS
			NV	30	-67900	-13.082852	20	PASS
			NV	40	-67900	-13.082852	20	PASS
			NV	50	-67900	-13.082852	20	PASS
		5230	NV	-30	-67900	-12.982792	20	PASS
			NV	-20	-67900	-12.982792	20	PASS
			NV	-10	-67900	-12.982792	20	PASS
			NV	0	-67900	-12.982792	20	PASS
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			NV	20	-67900	-12.982792	20	PASS
			NV	30	-67900	-12.982792	20	PASS
			NV	40	-67900	-12.982792	20	PASS
		5755	NV	50	-67900	-12.982792	20	PASS
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			NV	-20	-73900	-12.841008	20	PASS
			NV	-10	-73900	-12.841008	20	PASS
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			NV	10	-73900	-12.841008	20	PASS
			NV	20	-73900	-12.841008	20	PASS
			NV	30	-73900	-12.841008	20	PASS
		5795	NV	40	-73900	-12.841008	20	PASS
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			NV	-30	-74900	-12.924935	20	PASS
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			NV	-10	-74900	-12.924935	20	PASS
			NV	0	-74900	-12.924935	20	PASS
			NV	10	-74900	-12.924935	20	PASS
			NV	20	-74900	-12.924935	20	PASS
		5210	NV	30	-74900	-12.924935	20	PASS
			NV	40	-73900	-12.752373	20	PASS
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			NV	-30	-66900	-12.840691	20	PASS
			NV	-20	-66900	-12.840691	20	PASS
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NV	10		-66900	-12.840691	20	PASS		
5775	NV	20	-66900	-12.840691	20	PASS		
	NV	30	-66900	-12.840691	20	PASS		
	NV	40	-66900	-12.840691	20	PASS		
	NV	50	-66900	-12.840691	20	PASS		
	NV	-30	-73900	-12.796537	20	PASS		
	NV	-20	-72900	-12.623377	20	PASS		
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			NV	20	-72900	-12.623377	20	PASS
			NV	30	-72900	-12.623377	20	PASS
			NV	40	-72900	-12.623377	20	PASS

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			NV	30	-72900	-12.623377	20	PASS
			NV	40	-72900	-12.623377	20	PASS
			NV	50	-72900	-12.623377	20	PASS



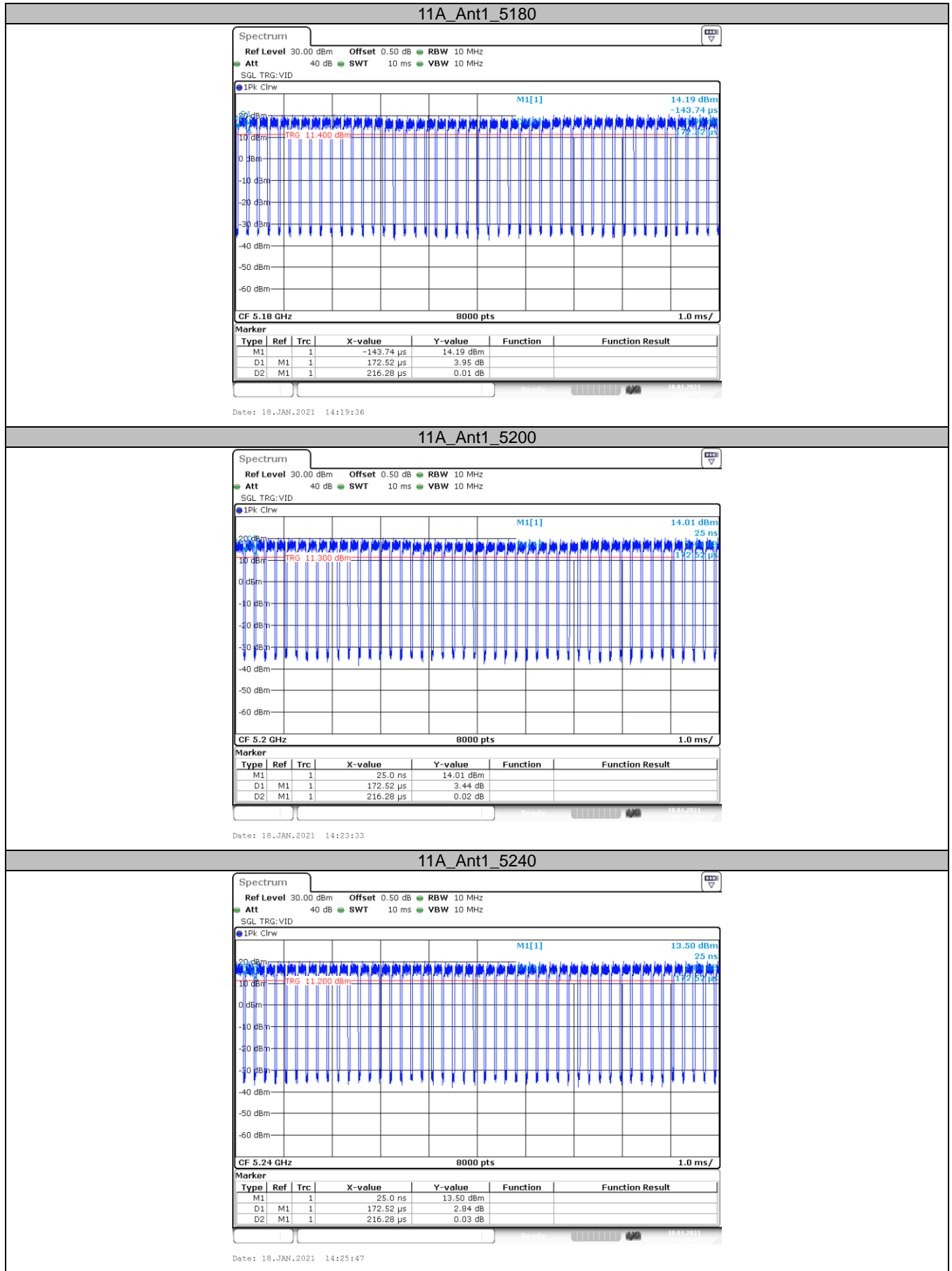
**Appendix E: Duty Cycle**

## Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5180	0.17	0.22	79.77
		5200	0.17	0.22	79.77
		5240	0.17	0.22	79.77
		5745	0.17	0.22	79.77
		5785	0.17	0.22	79.77
		5825	0.17	0.22	79.77
11N20SISO	Ant1	5180	0.16	0.21	78.66
		5200	0.16	0.21	78.66
		5240	0.16	0.20	78.53
		5745	0.16	0.21	78.66
		5785	0.16	0.21	78.66
		5825	0.16	0.20	78.53
11N40SISO	Ant1	5190	0.10	0.14	68.75
		5230	0.10	0.14	69.03
		5755	0.10	0.14	69.03
		5795	0.10	0.14	69.64
11AC20SISO	Ant1	5180	0.17	0.21	79.04
		5200	0.16	0.21	78.92
		5240	0.16	0.21	78.92
		5745	0.16	0.21	78.92
		5785	0.17	0.21	79.04
		5825	0.17	0.21	79.04
11AC40SISO	Ant1	5190	0.09	0.13	66.98
		5230	0.09	0.13	66.98
		5755	0.09	0.13	66.98
		5795	0.09	0.13	66.98
11AC80SISO	Ant1	5210	0.06	0.11	58.33
		5775	0.06	0.10	57.83

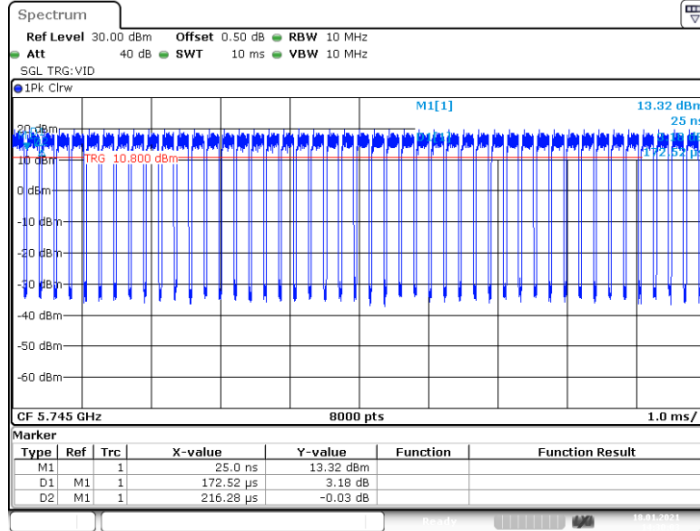


Test Graphs



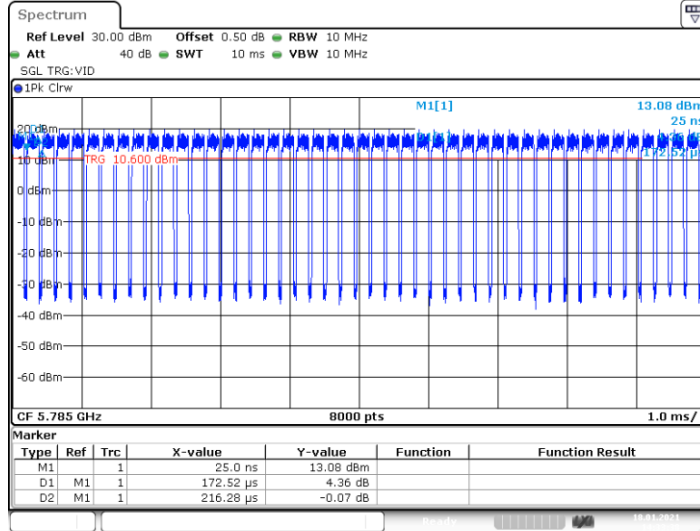


11A\_Ant1\_5745



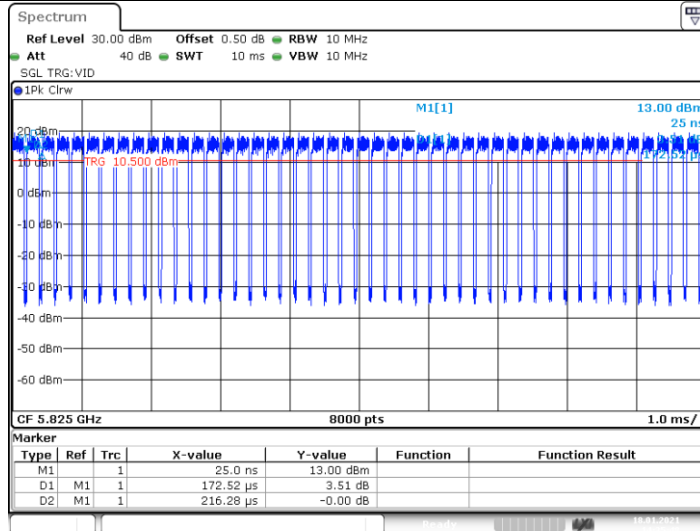
Date: 18.JAN.2021 14:30:03

11A\_Ant1\_5785



Date: 18.JAN.2021 14:33:38

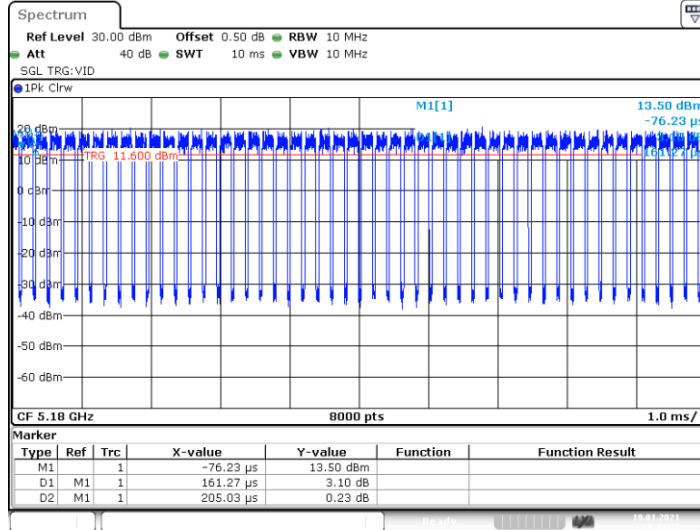
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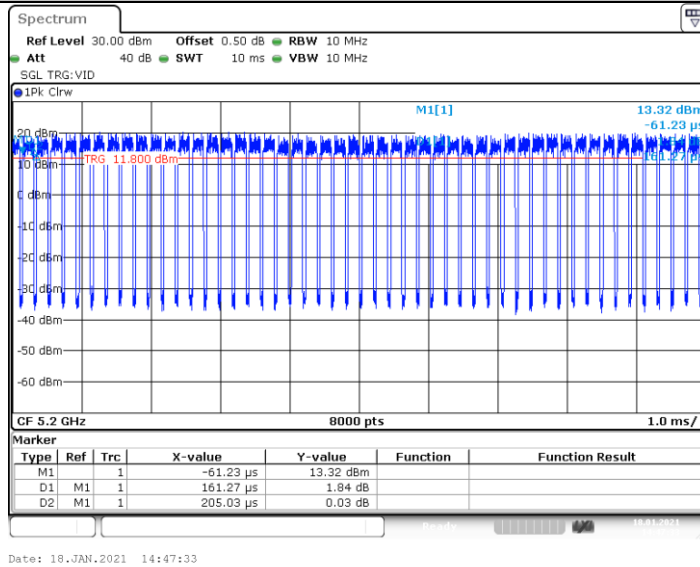
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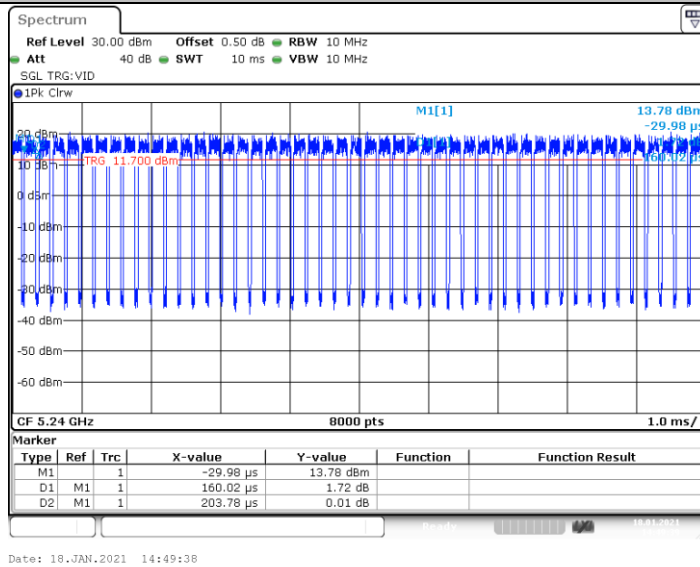
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11N20SISO\_Ant1\_5200

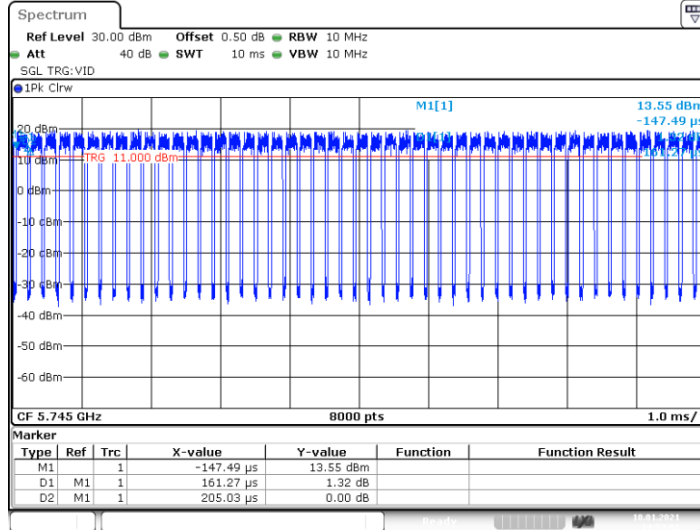


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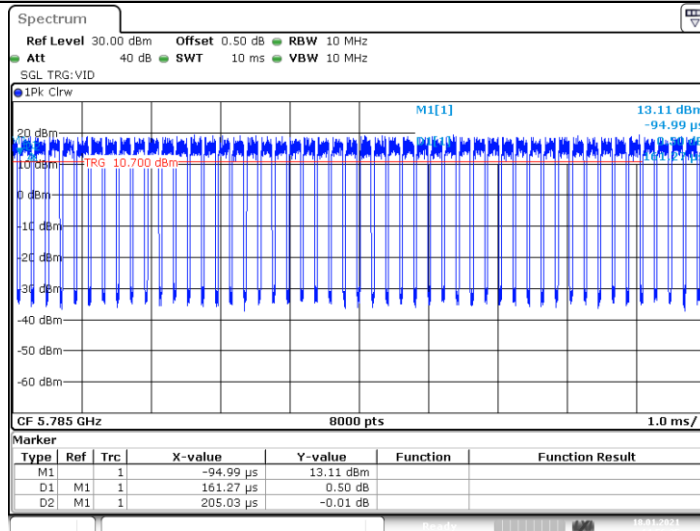




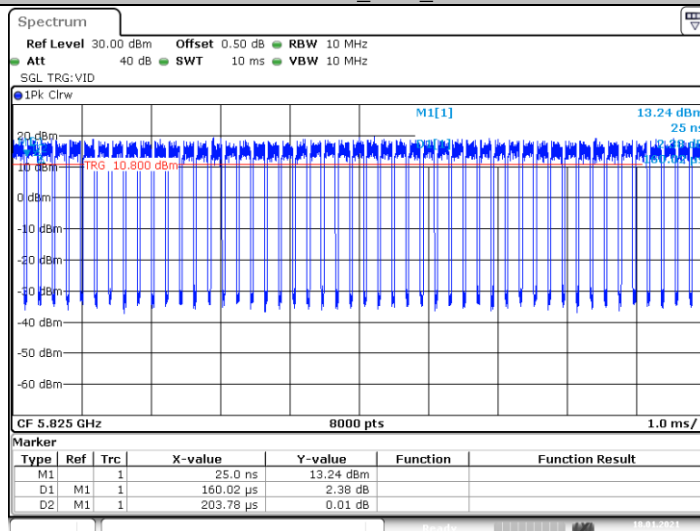
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11N20SISO\_Ant1\_5785

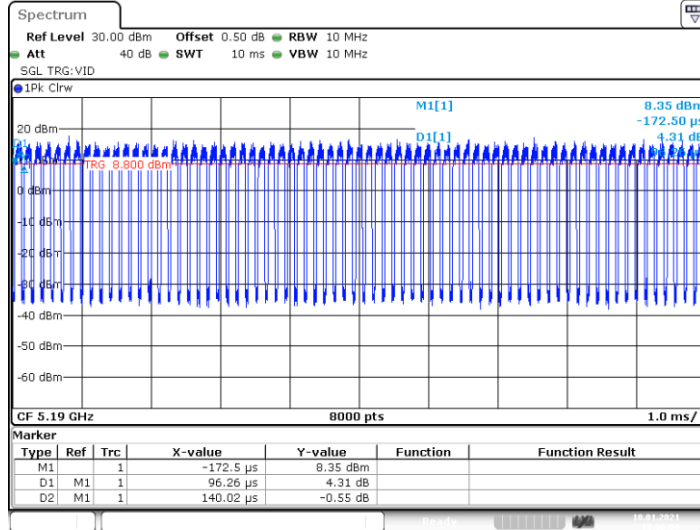


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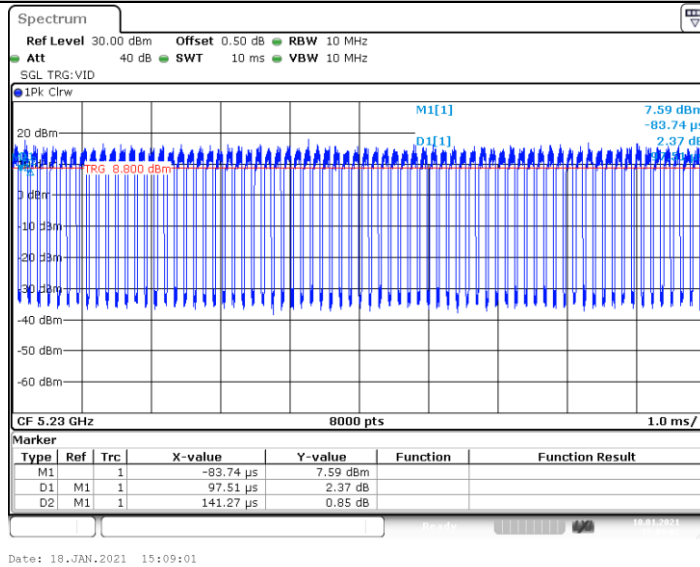




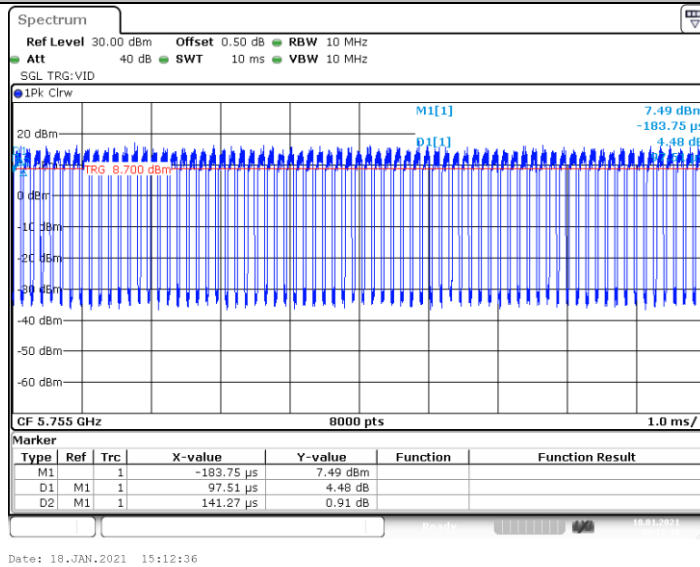
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11N40SISO\_Ant1\_5230

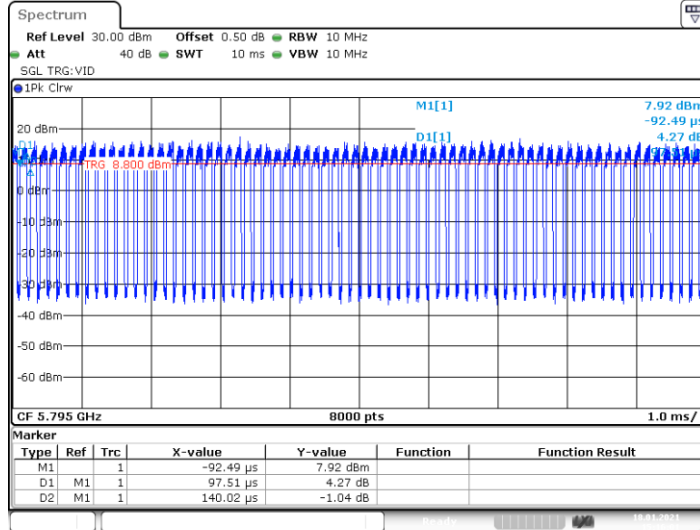


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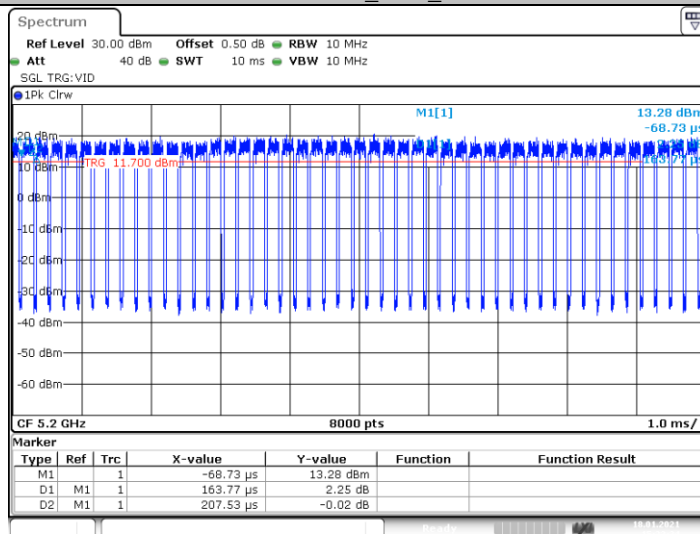
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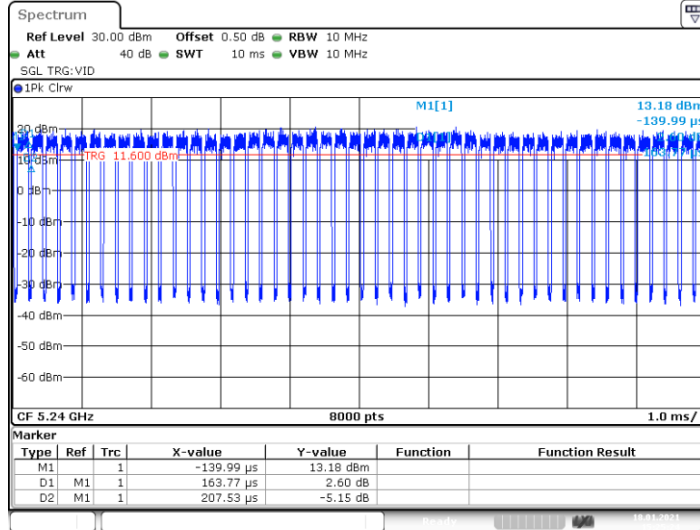


11AC20SISO\_Ant1\_5200





11AC20SISO\_Ant1\_5240



11AC20SISO\_Ant1\_5745



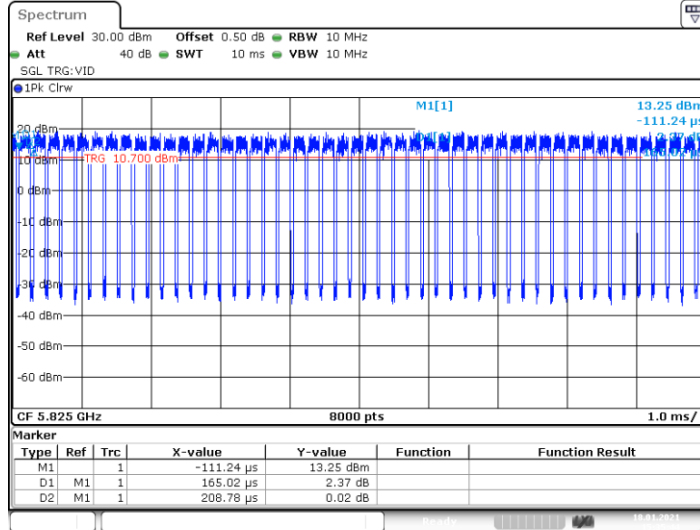
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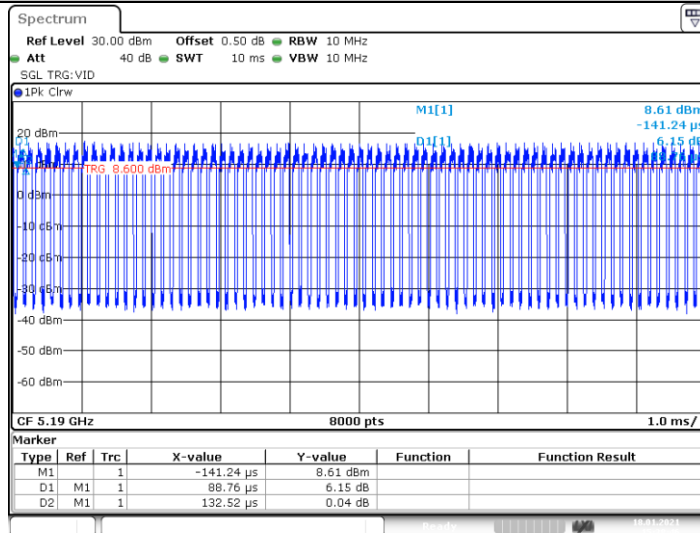




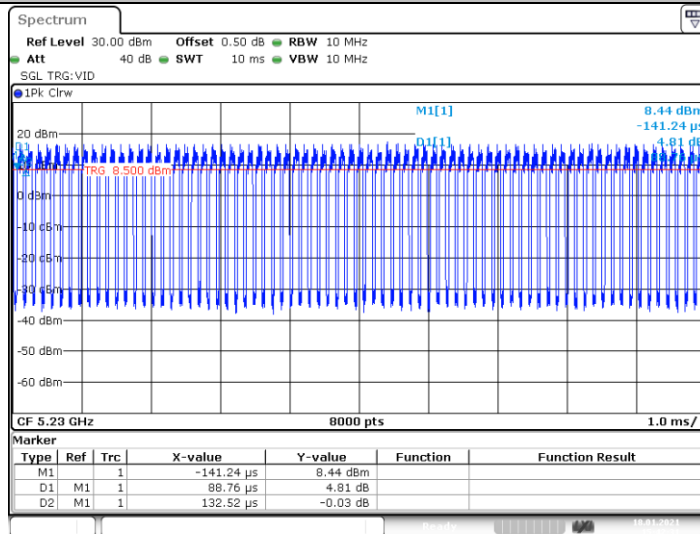
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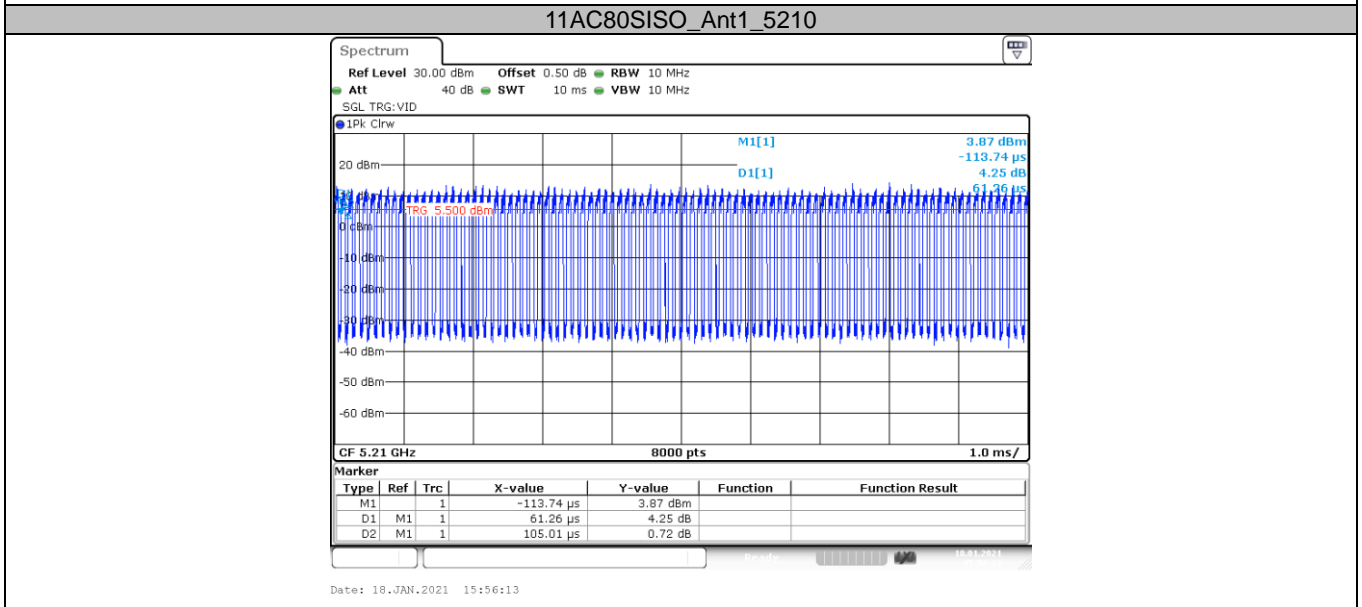
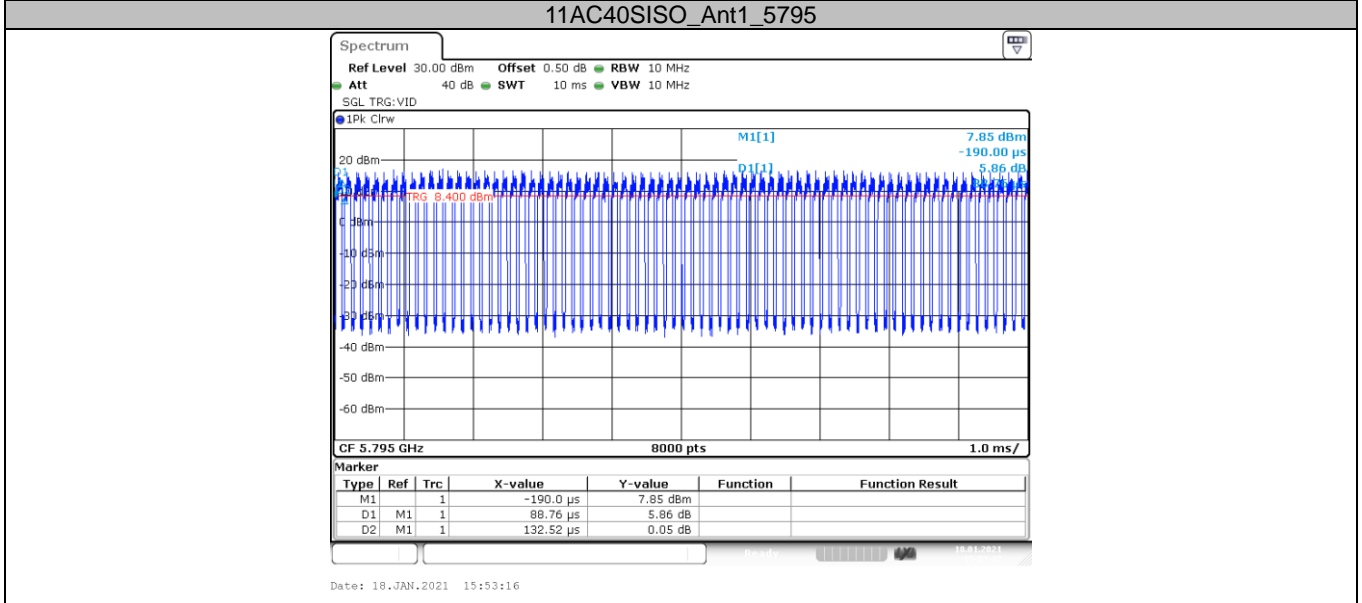
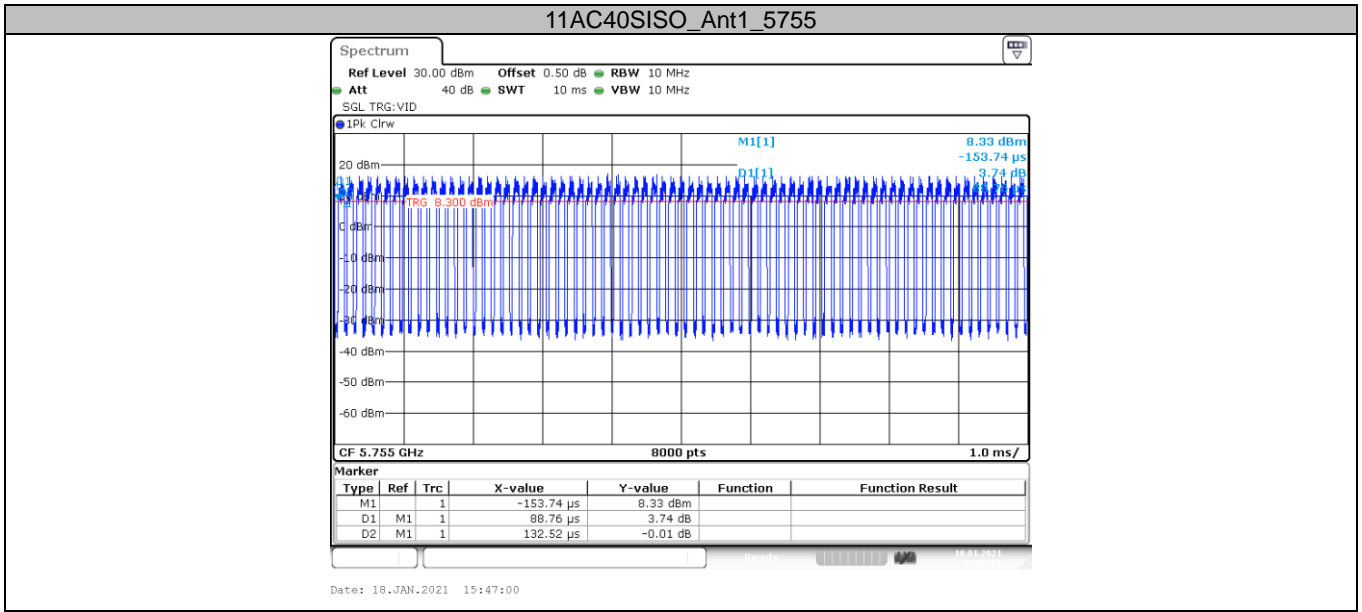


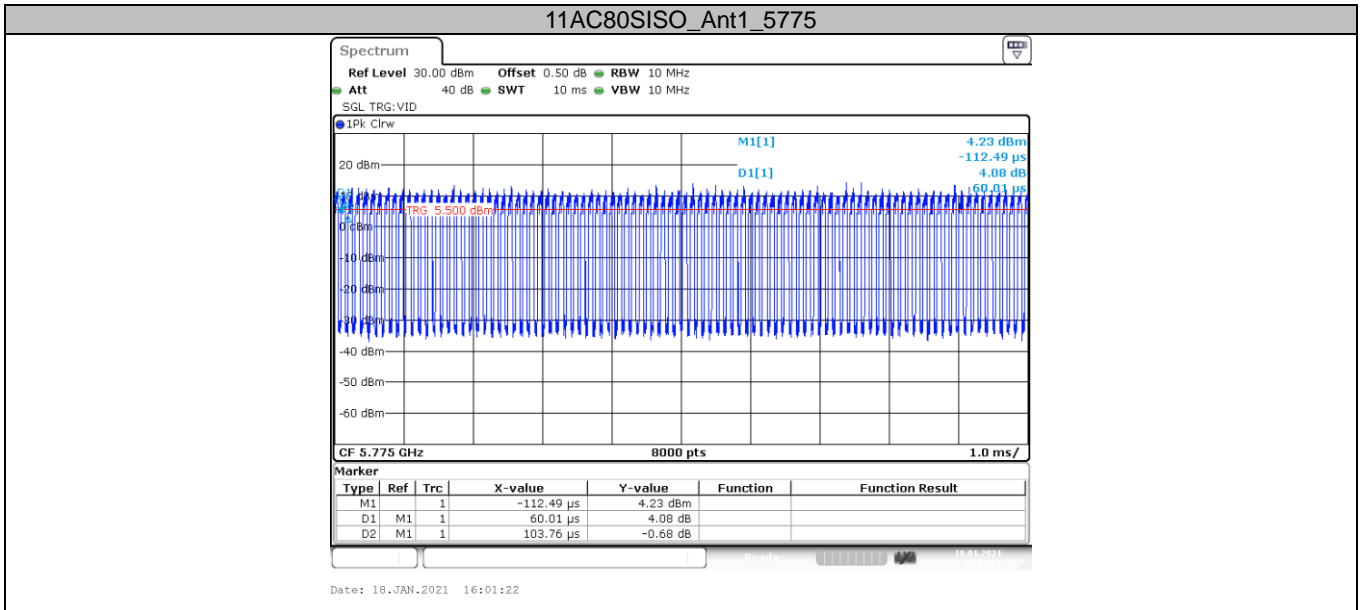
11AC40SISO\_Ant1\_5190



11AC40SISO\_Ant1\_5230







\*\*\*\*\*THE END\*\*\*\*\*