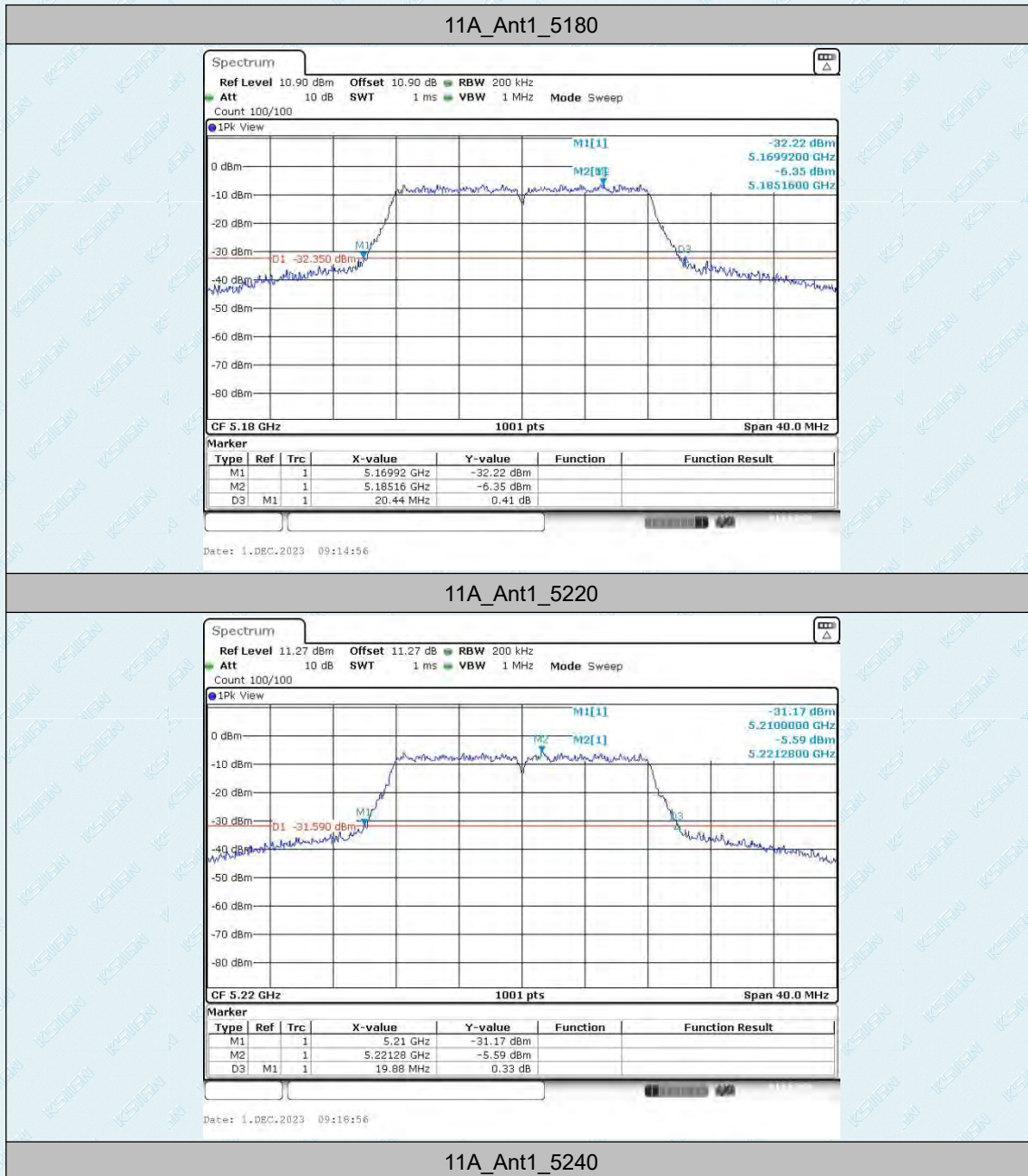
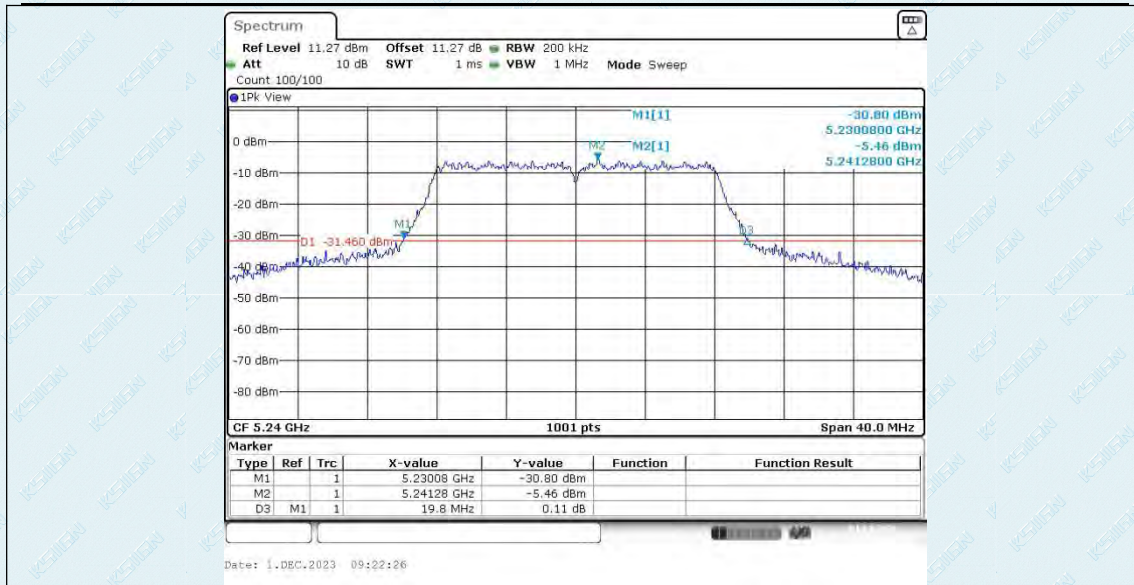


FCC ID:2BDTW-P3
Appendix A1: Emission Bandwidth
Test Result

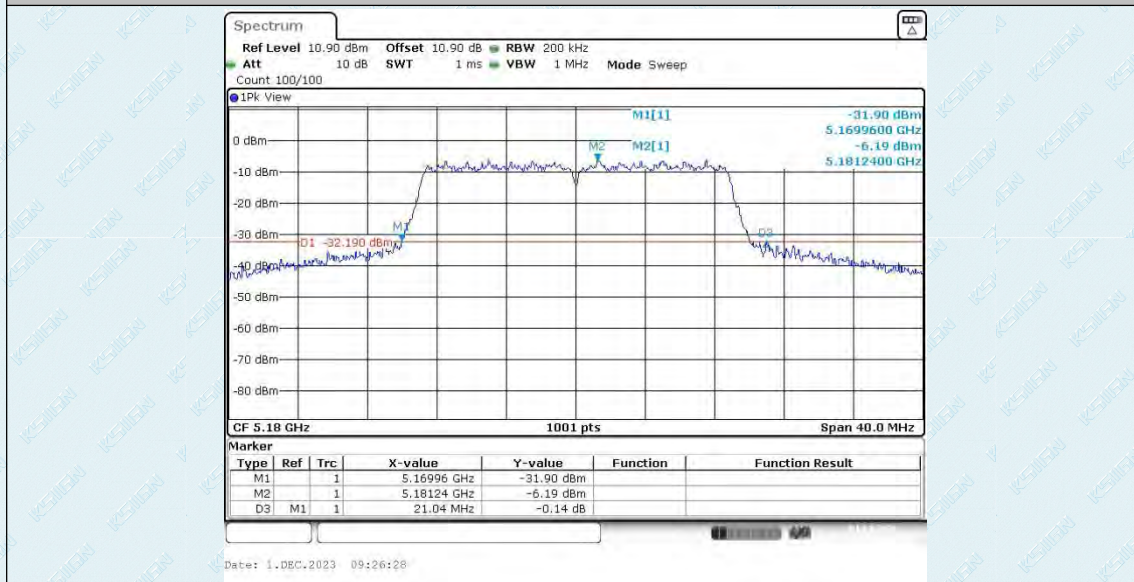
TestMode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	20.44	5169.92	5190.36	---	PASS
		5220	19.88	5210.00	5229.88	---	PASS
		5240	19.80	5230.08	5249.88	---	PASS
11N20SISO	Ant1	5180	21.04	5169.96	5191.00	---	PASS
		5220	20.20	5209.88	5230.08	---	PASS
		5240	20.12	5229.84	5249.96	---	PASS
11N40SISO	Ant1	5190	40.32	5169.76	5210.08	---	PASS
		5230	47.20	5207.44	5254.64	---	PASS
11AC20SISO	Ant1	5180	20.24	5169.76	5190.00	---	PASS
		5220	20.08	5209.96	5230.04	---	PASS
		5240	19.96	5230.00	5249.96	---	PASS
11AC40SISO	Ant1	5190	47.12	5167.60	5214.72	---	PASS
		5230	47.12	5207.60	5254.72	---	PASS

Test Graphs

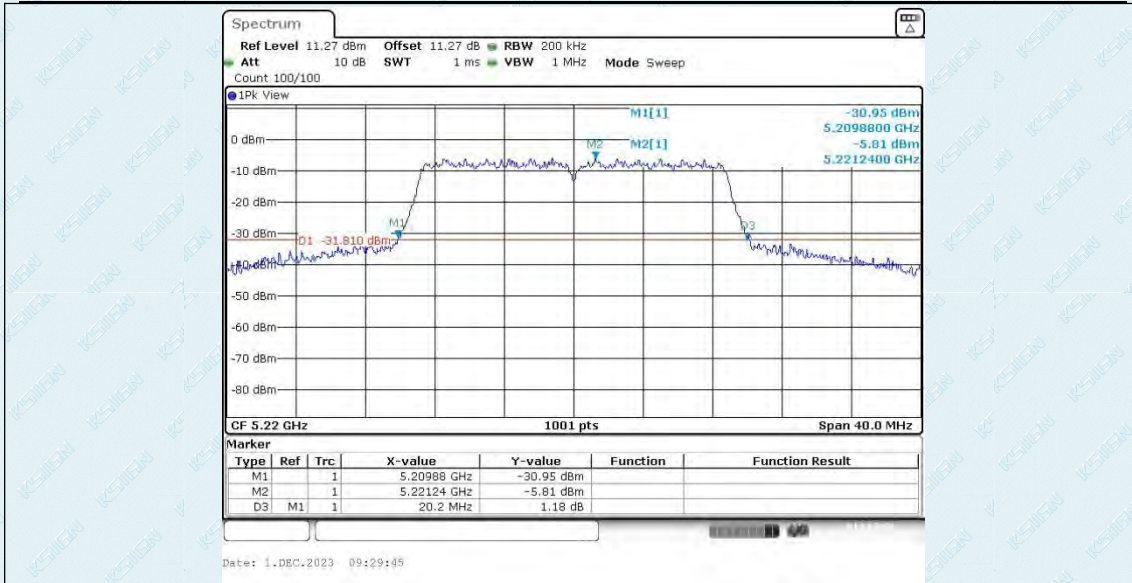




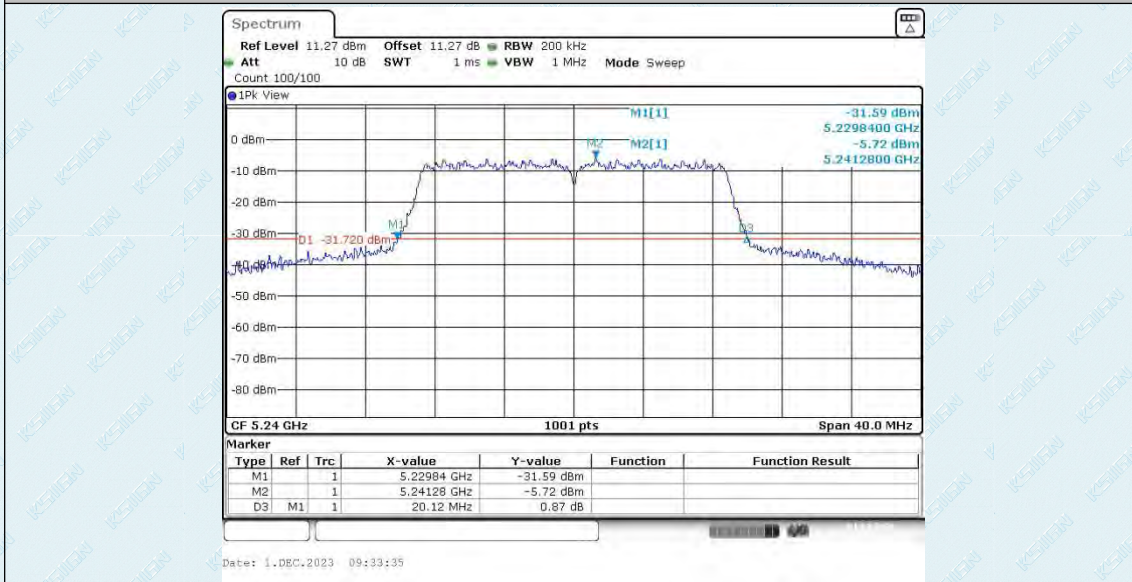
11N20SISO_Ant1_5180



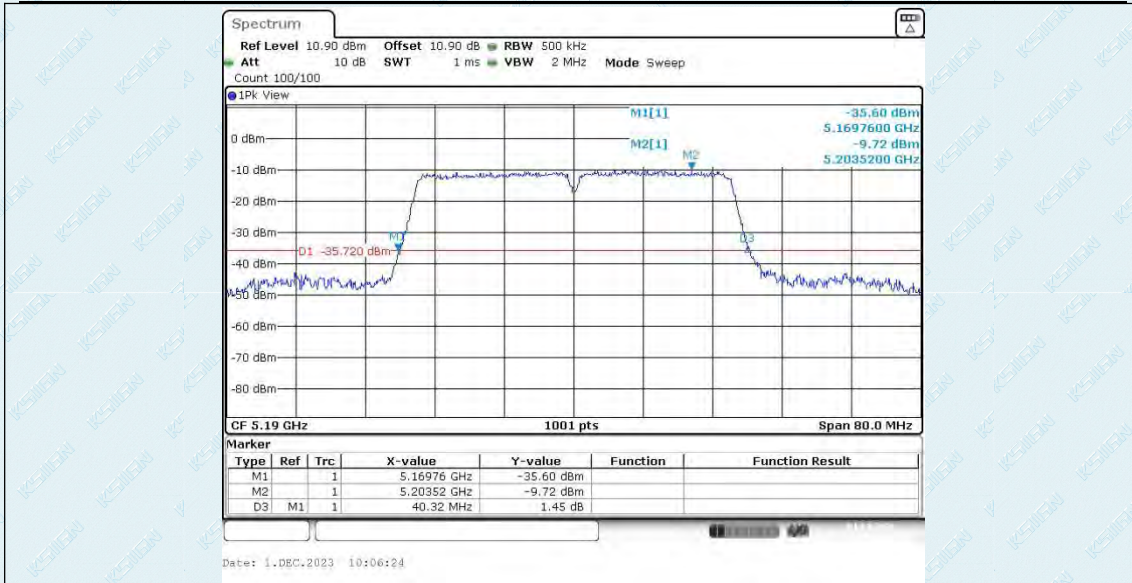
11N20SISO_Ant1_5220



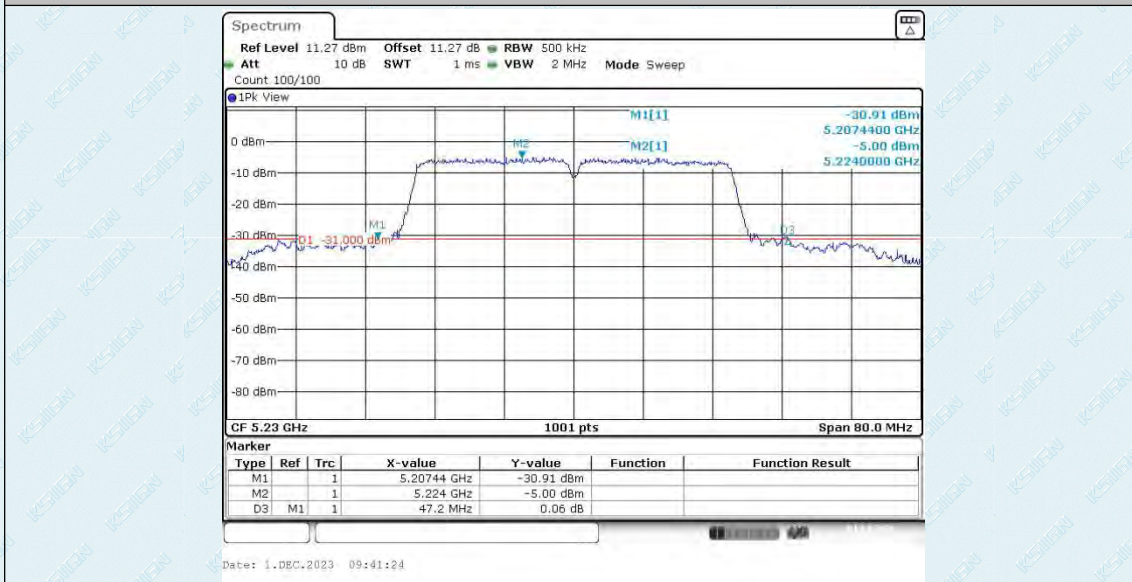
11N20SISO_Ant1_5240



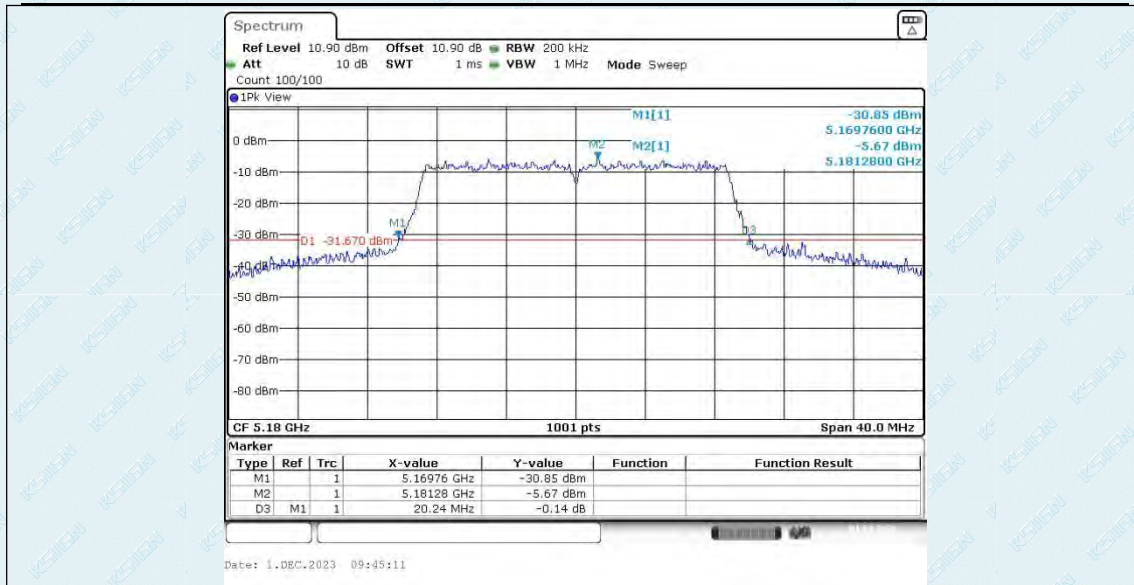
11N40SISO_Ant1_5190



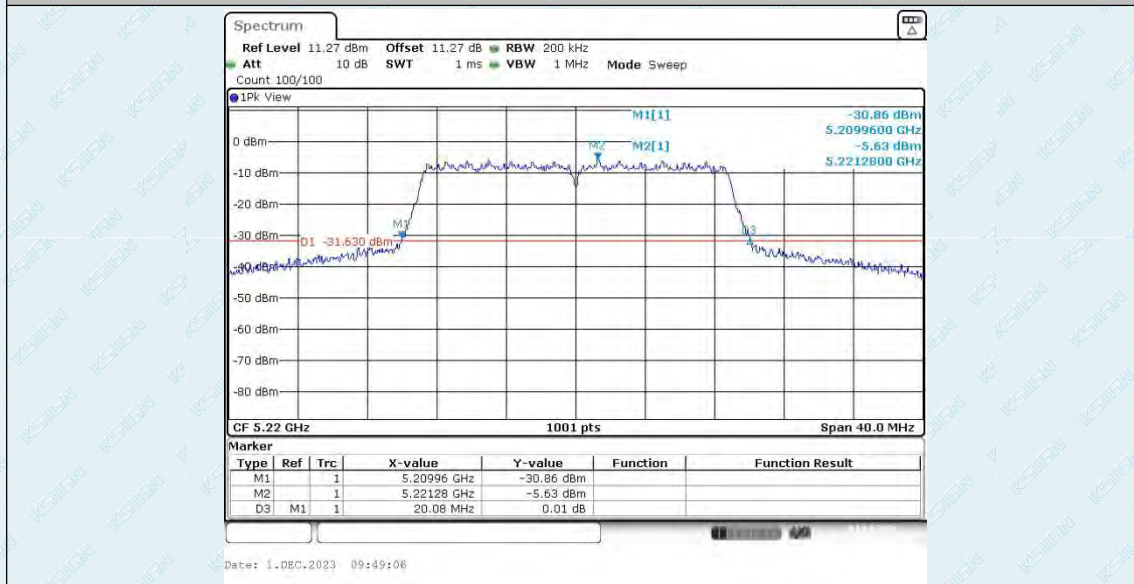
11N40SISO_Ant1_5230



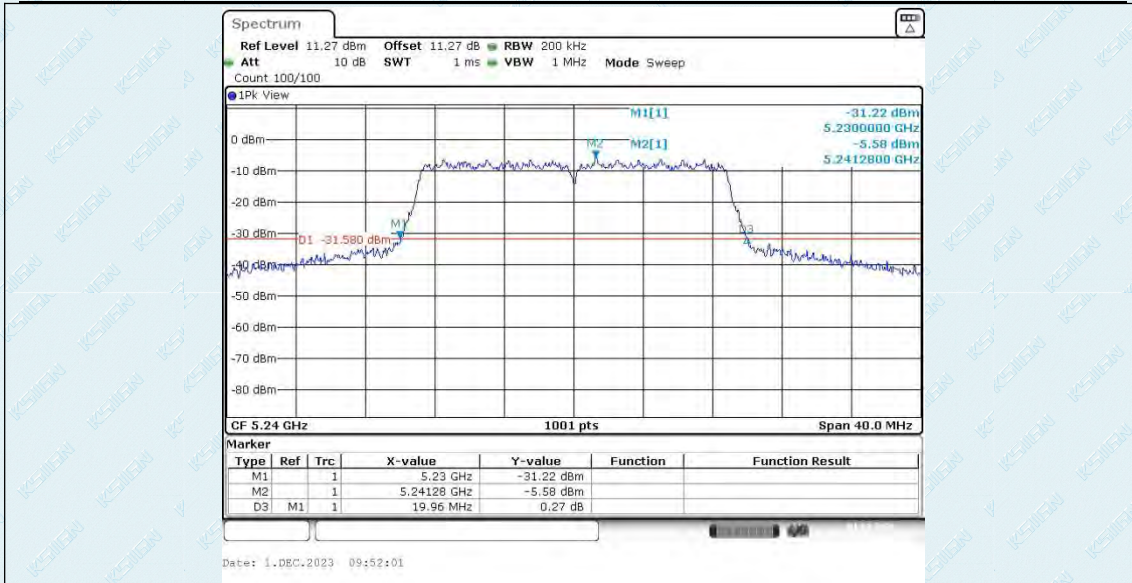
11AC20SISO_Ant1_5180



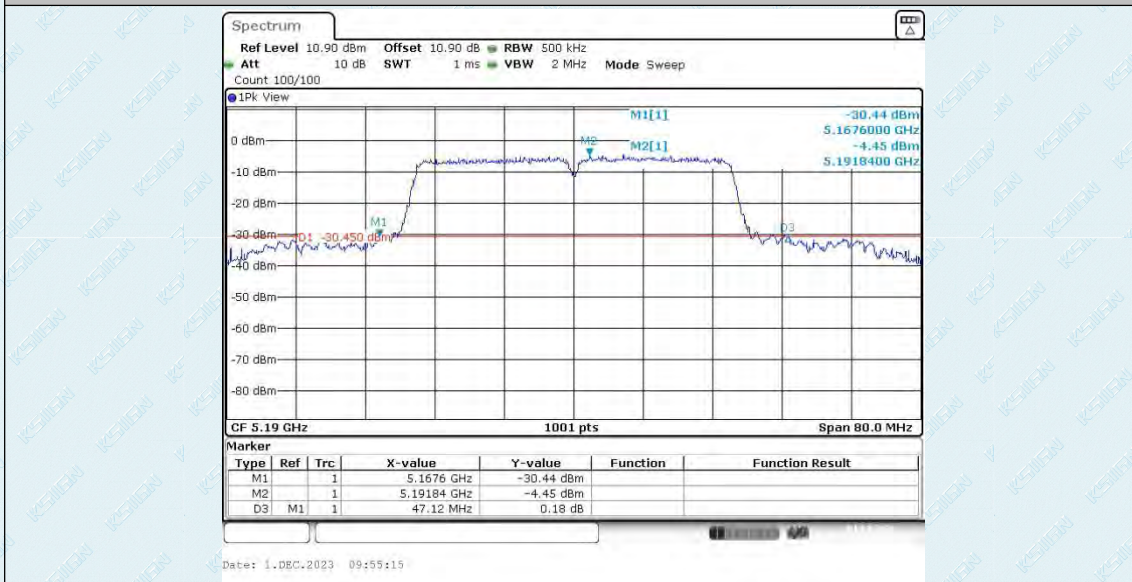
11AC20SISO_Ant1_5220



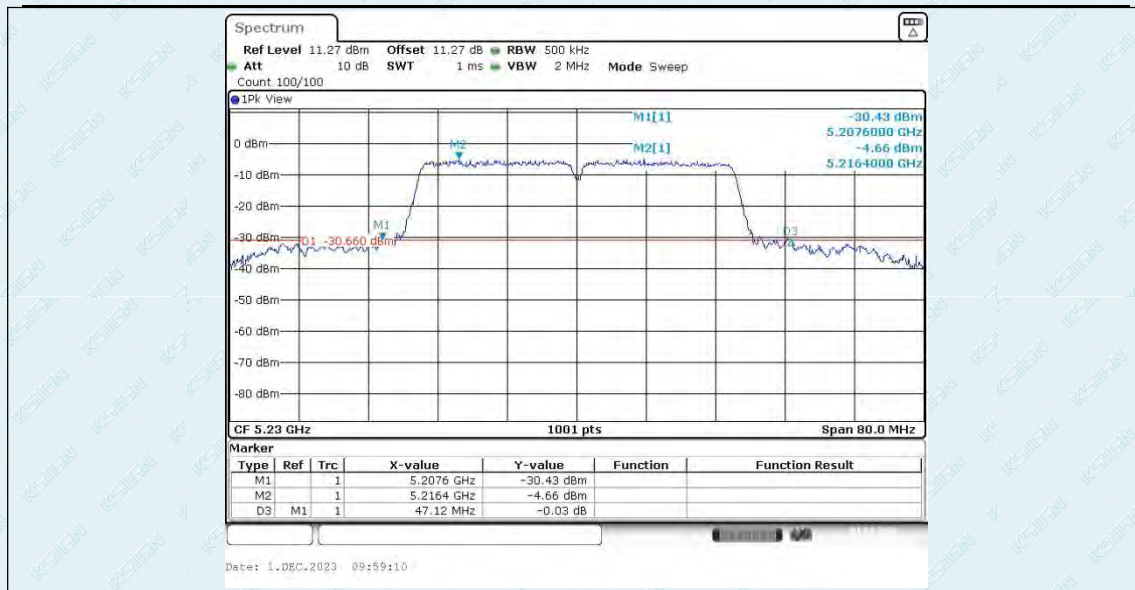
11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230

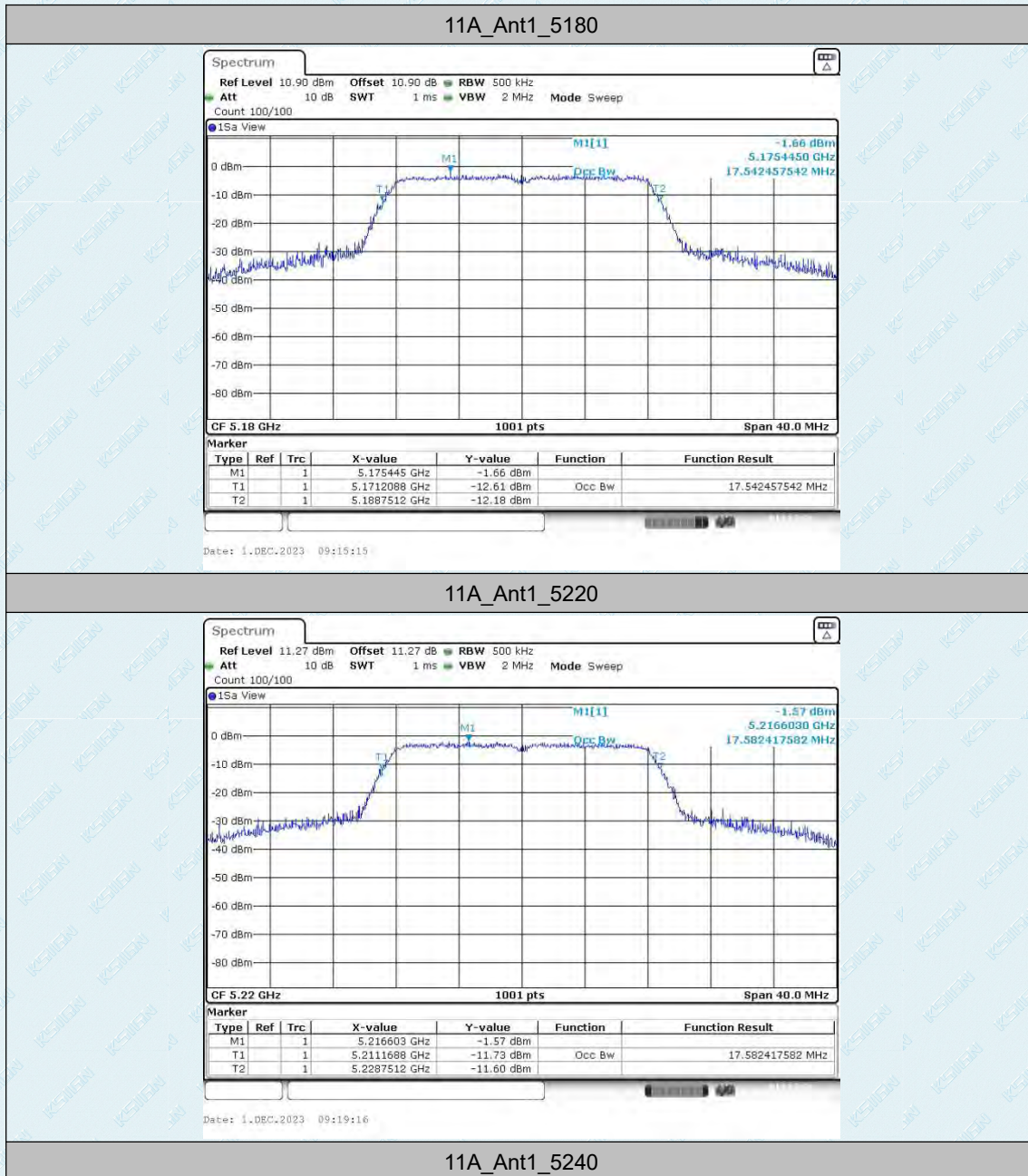


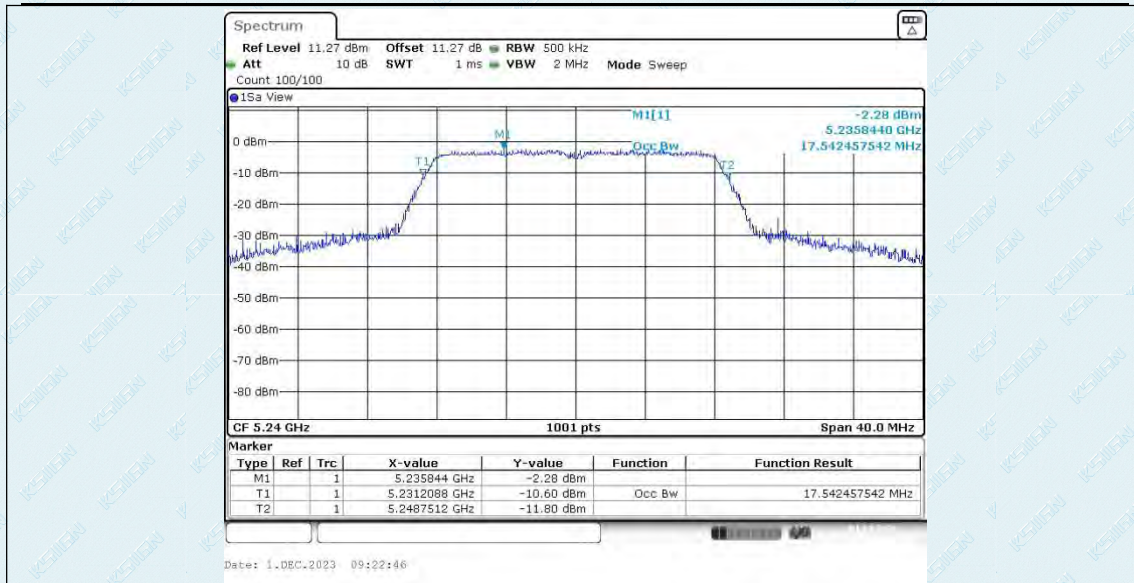
Appendix A2: Occupied channel bandwidth

Test Result

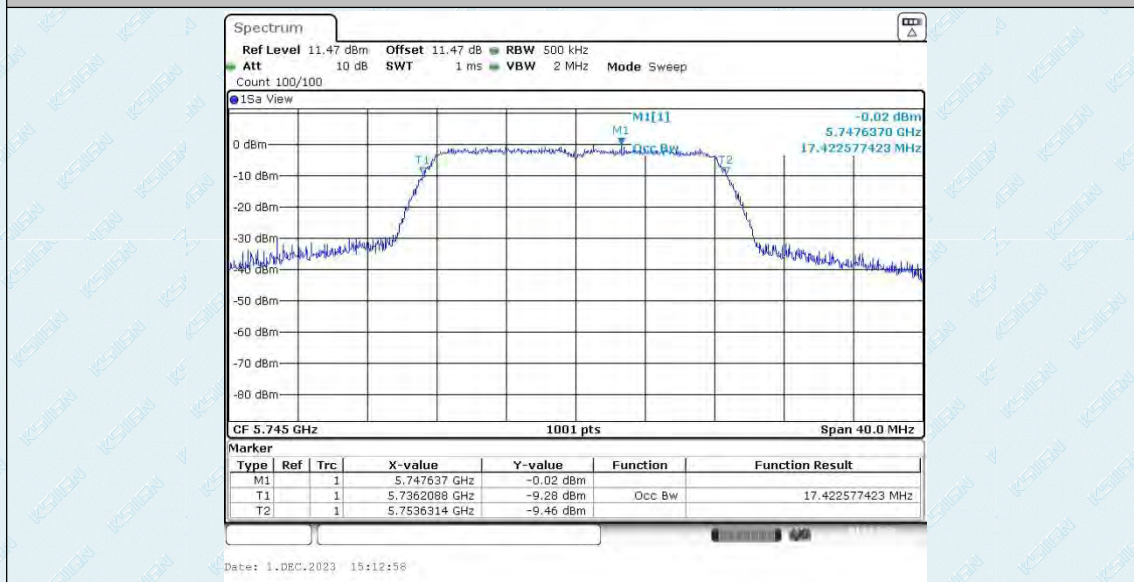
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.542	5171.209	5188.751	---	PASS
		5220	17.582	5211.169	5228.751	---	PASS
		5240	17.542	5231.209	5248.751	---	PASS
		5745	17.423	5736.209	5753.631	---	PASS
		5785	17.343	5776.289	5793.631	---	PASS
		5825	17.423	5816.289	5833.711	---	PASS
11N20SISO	Ant1	5180	18.302	5170.849	5189.151	---	PASS
		5220	18.302	5210.809	5229.111	---	PASS
		5240	18.262	5230.849	5249.111	---	PASS
		5745	18.182	5735.849	5754.031	---	PASS
		5785	18.142	5775.889	5794.031	---	PASS
		5825	18.142	5815.929	5834.071	---	PASS
11N40SISO	Ant1	5190	36.523	5171.778	5208.302	---	PASS
		5230	36.763	5211.538	5248.302	---	PASS
		5755	36.683	5736.618	5773.302	---	PASS
		5795	36.603	5776.618	5813.222	---	PASS
11AC20SISO	Ant1	5180	18.302	5170.849	5189.151	---	PASS
		5220	18.262	5210.849	5229.111	---	PASS
		5240	18.262	5230.849	5249.111	---	PASS
		5745	18.182	5735.849	5754.031	---	PASS
		5785	18.182	5775.849	5794.031	---	PASS
		5825	18.182	5815.929	5834.111	---	PASS
11AC40SISO	Ant1	5190	36.683	5171.698	5208.382	---	PASS
		5230	36.843	5211.538	5248.382	---	PASS
		5755	36.603	5736.618	5773.222	---	PASS
		5795	36.523	5776.618	5813.142	---	PASS

Test Graphs

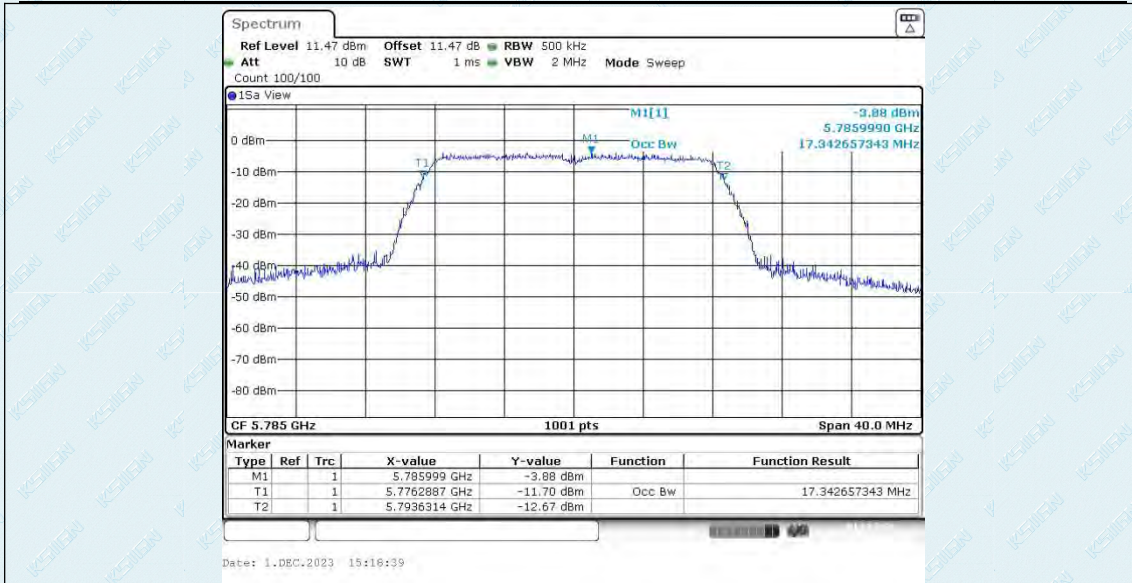




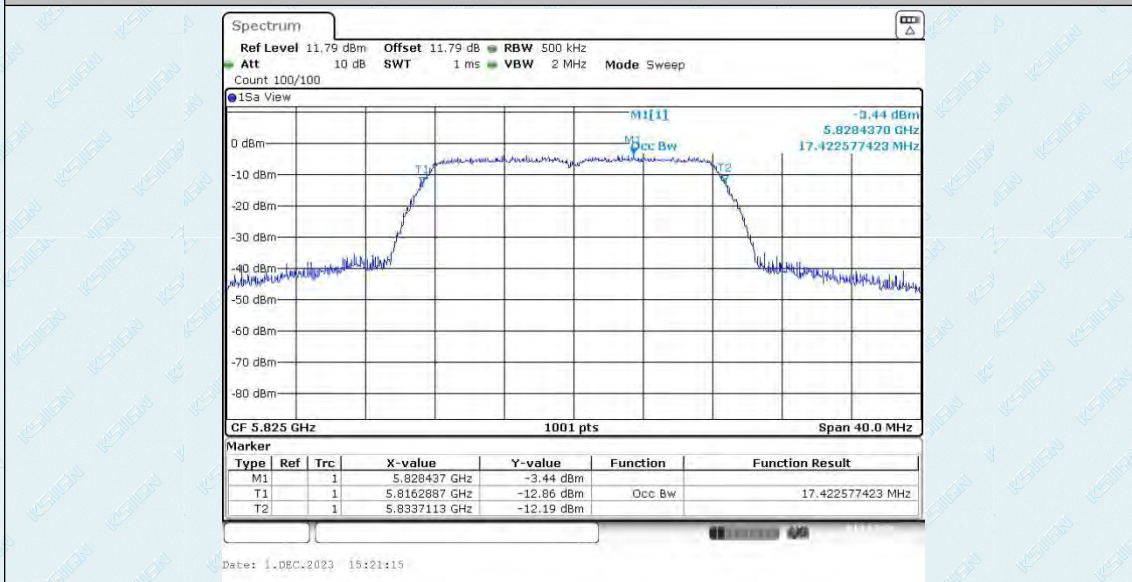
11A_Ant1_5745



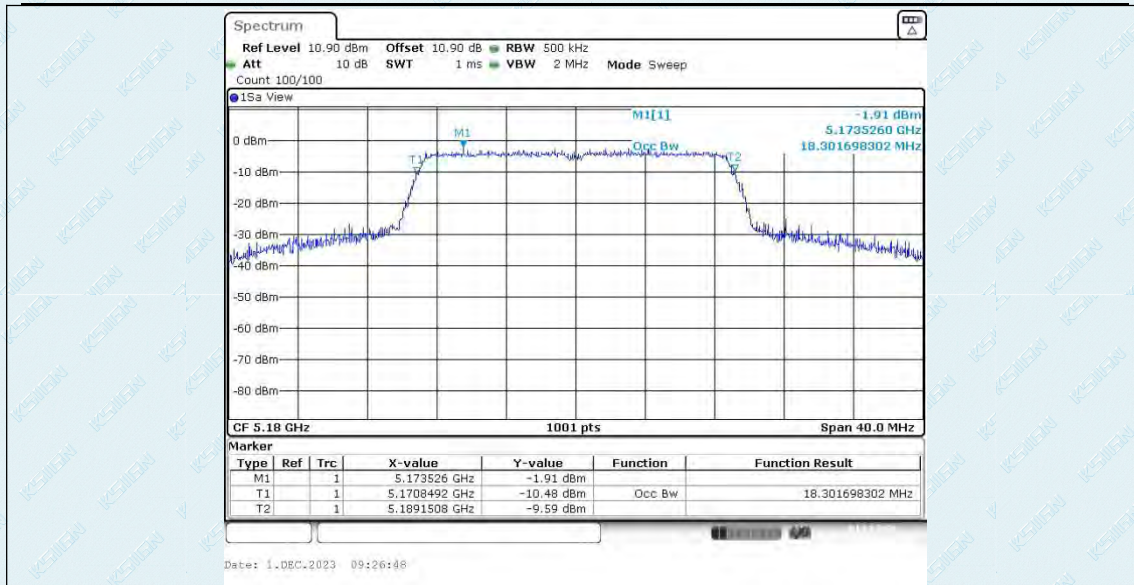
11A_Ant1_5785



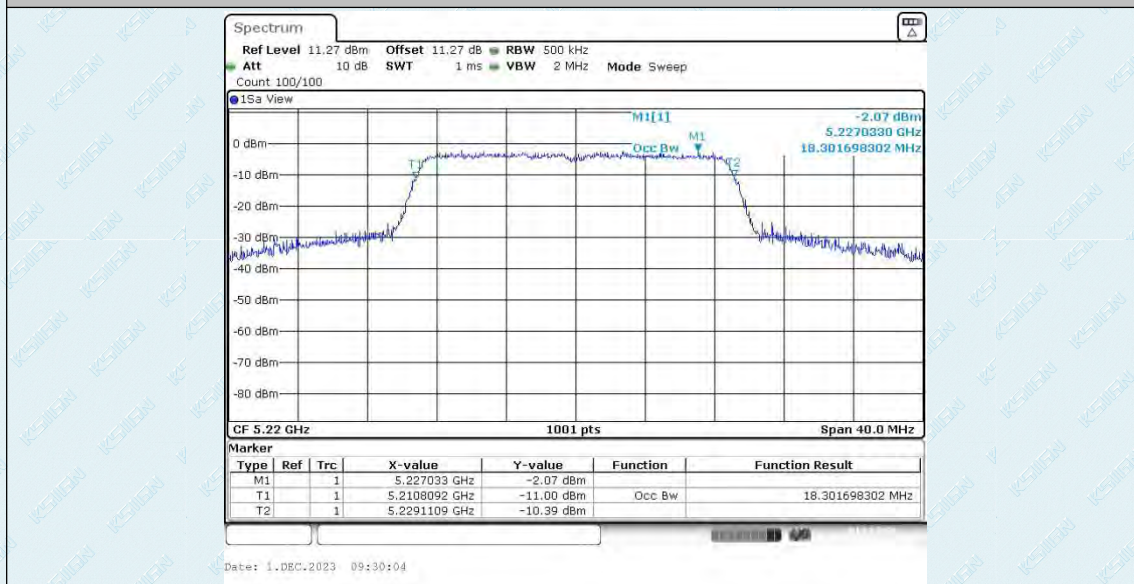
11A_Ant1_5825



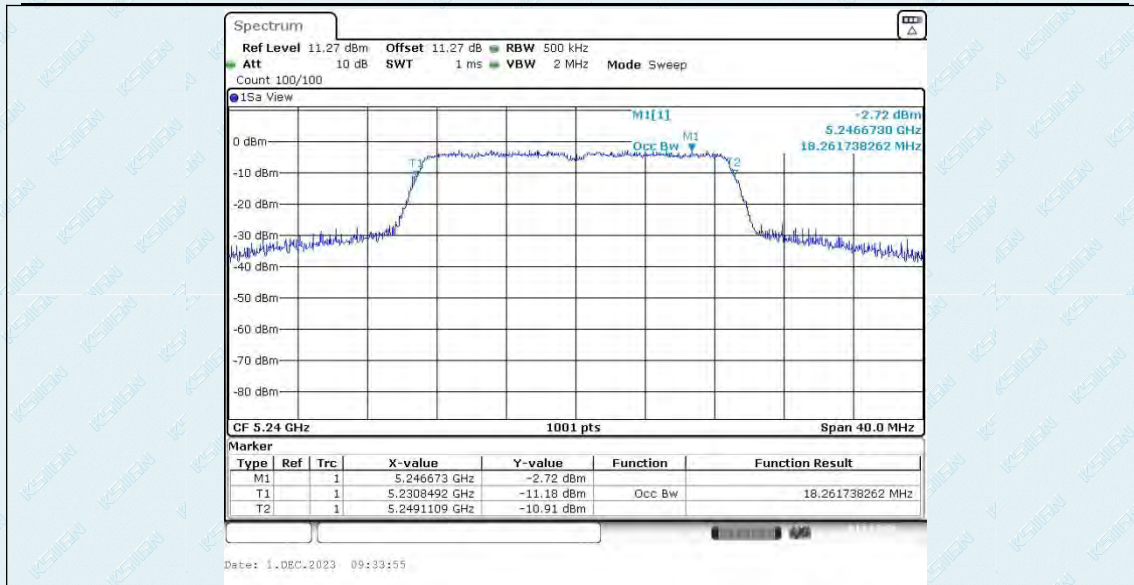
11N20SISO_Ant1_5180



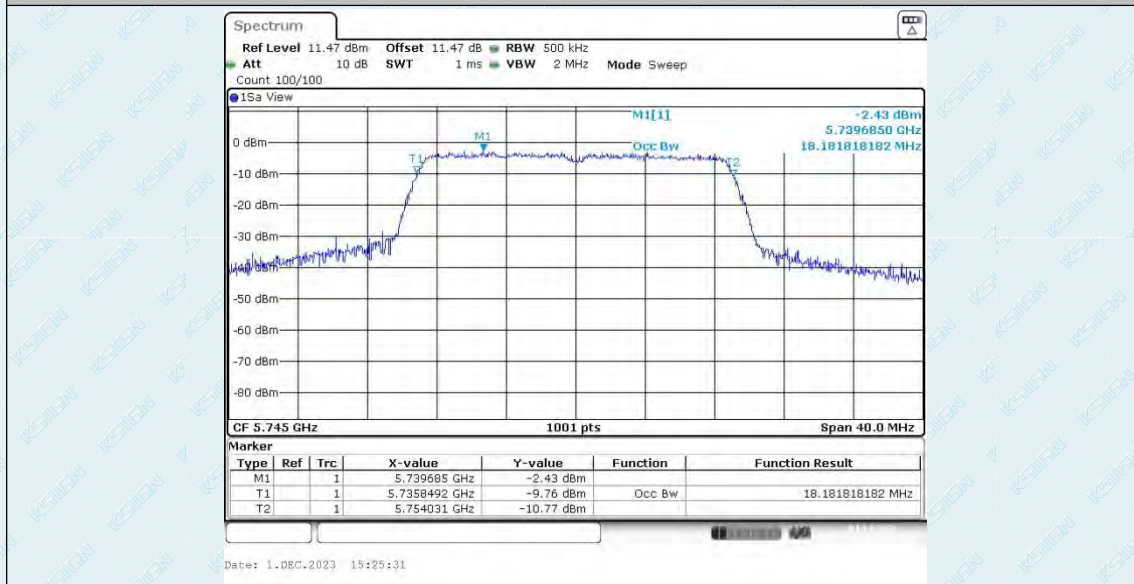
11N20SISO_Ant1_5220



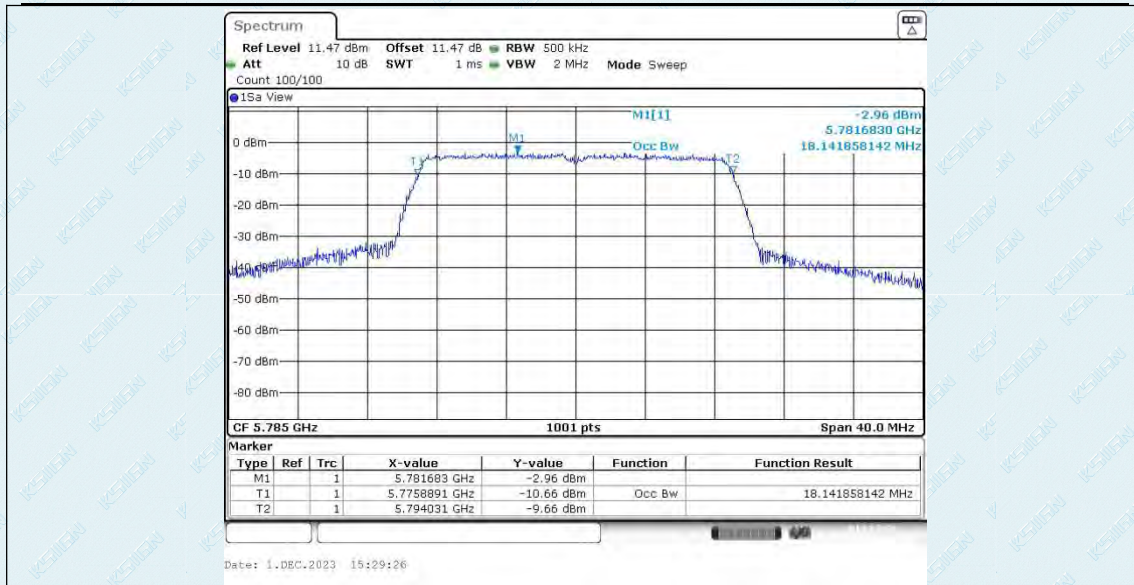
11N20SISO_Ant1_5240



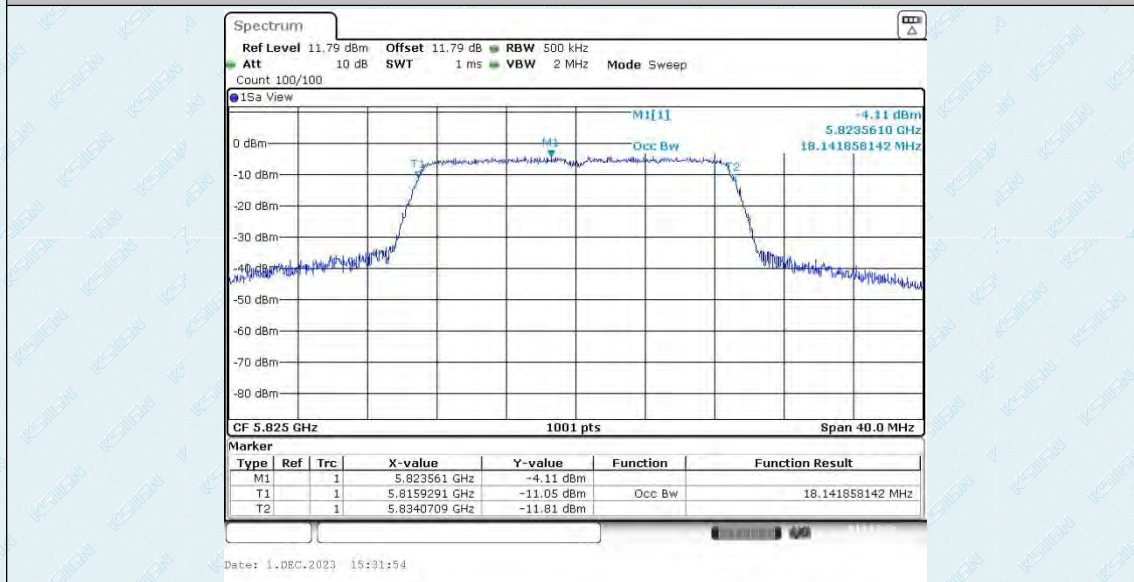
11N20SISO_Ant1_5745



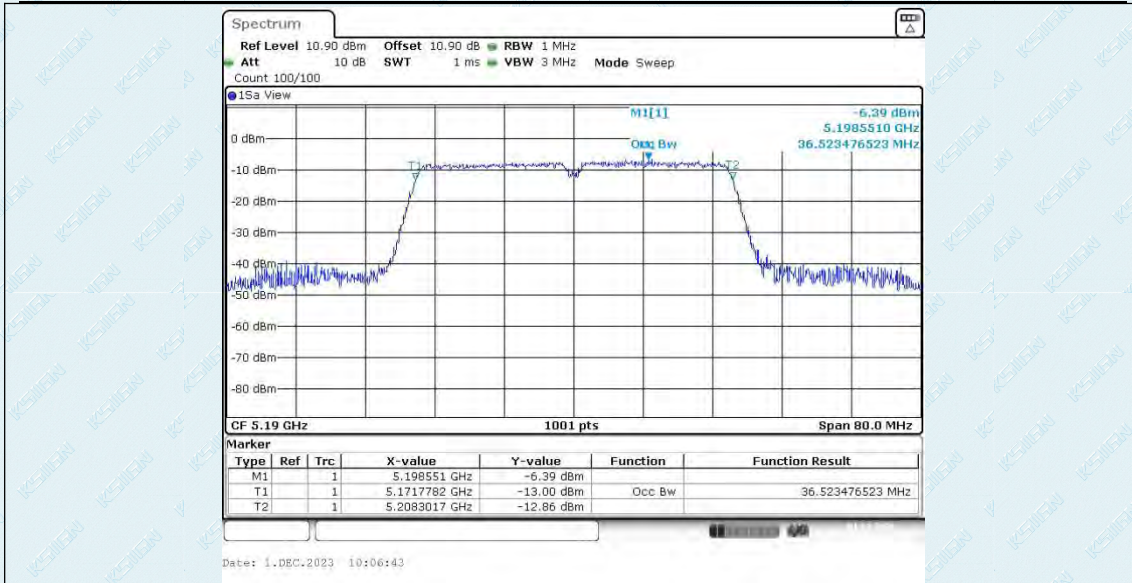
11N20SISO_Ant1_5785



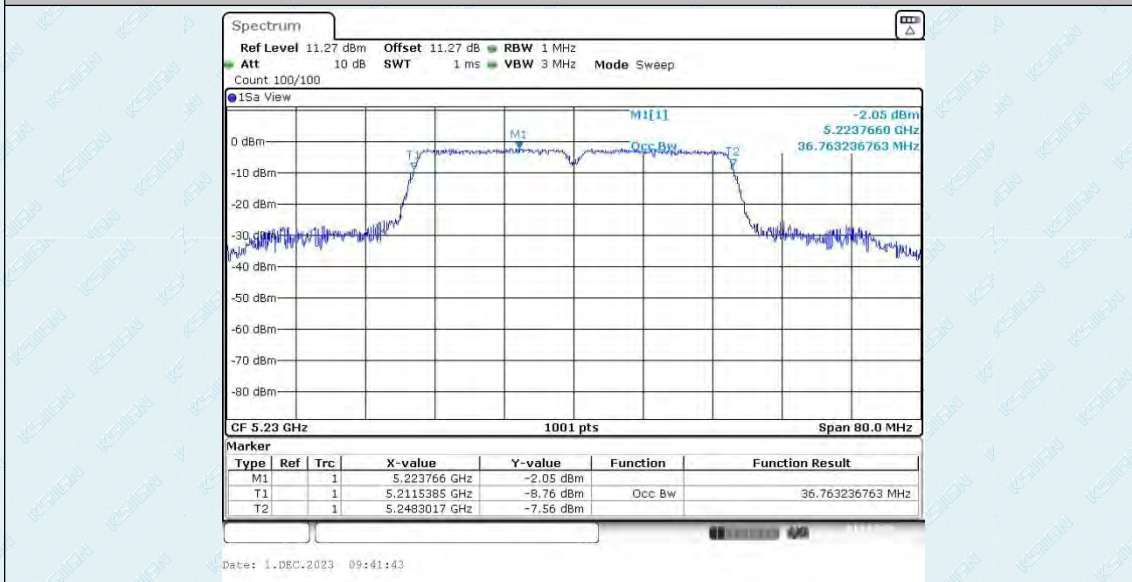
11N20SISO_Ant1_5825



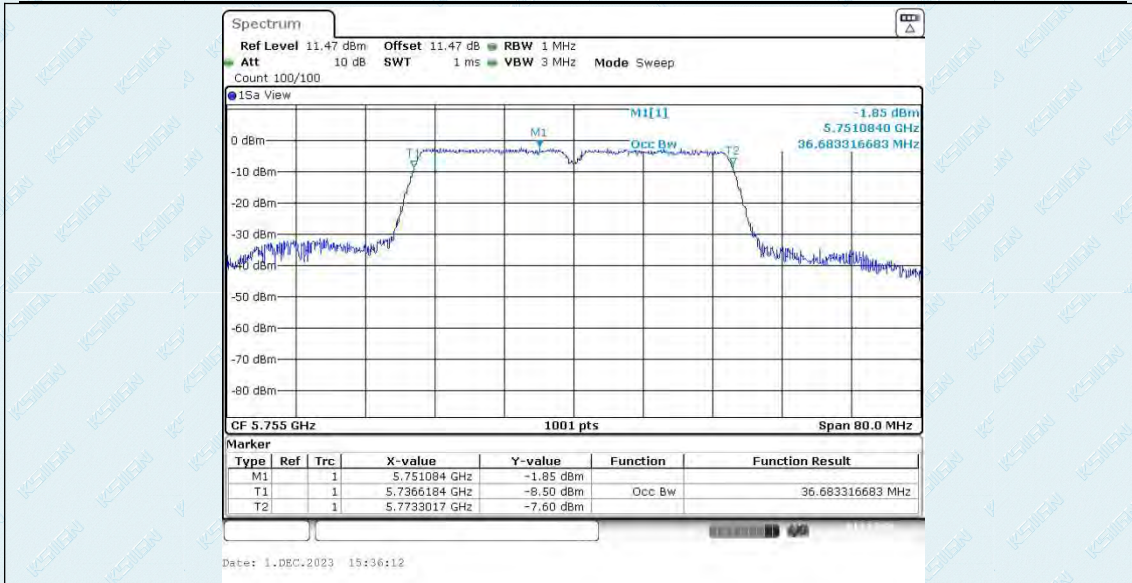
11N40SISO_Ant1_5190



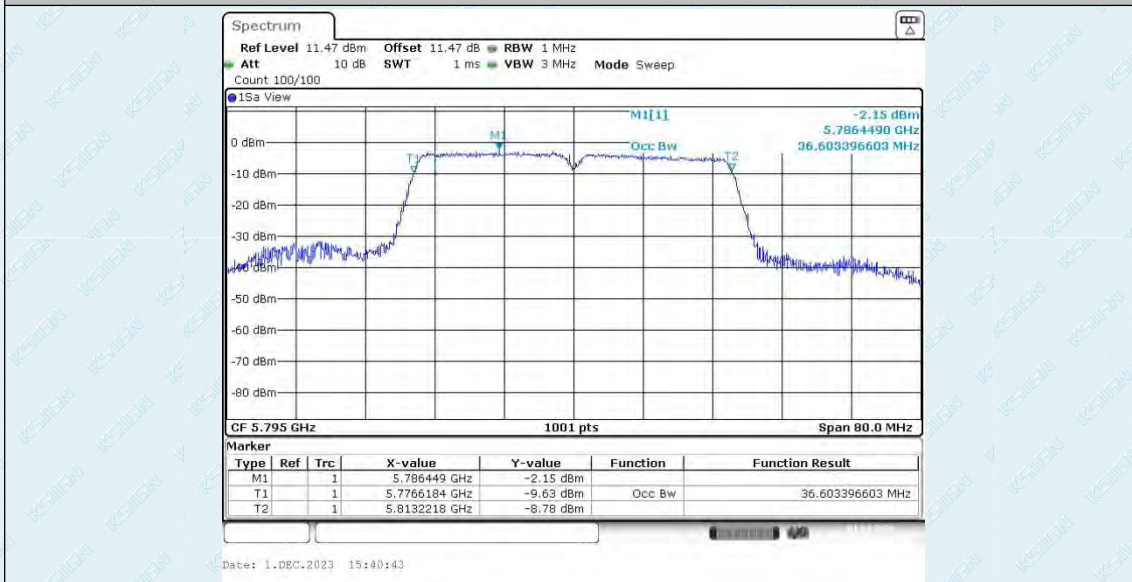
11N40SISO_Ant1_5230



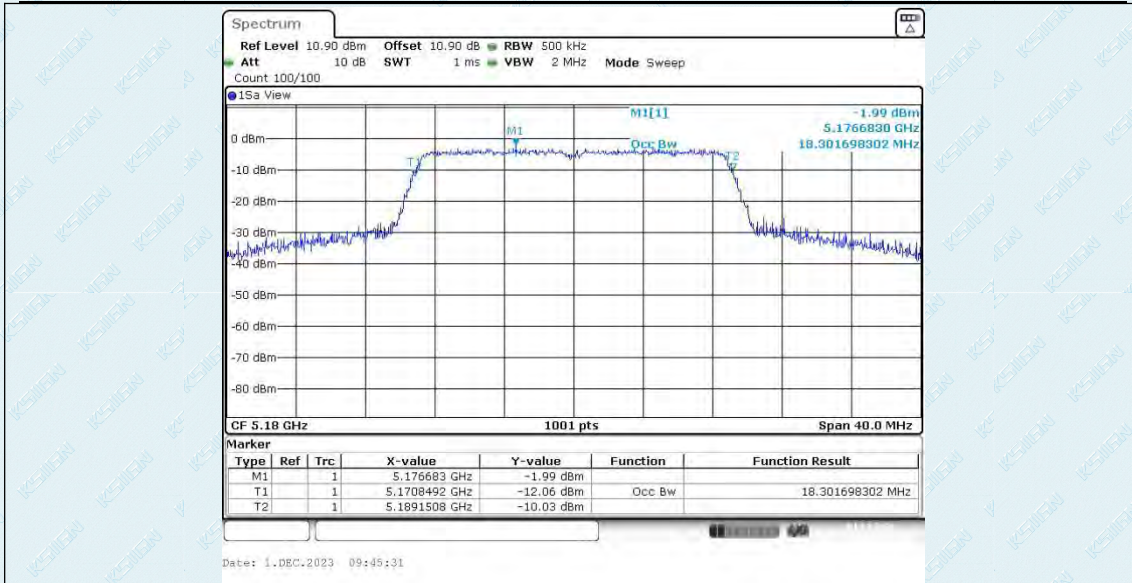
11N40SISO_Ant1_5755



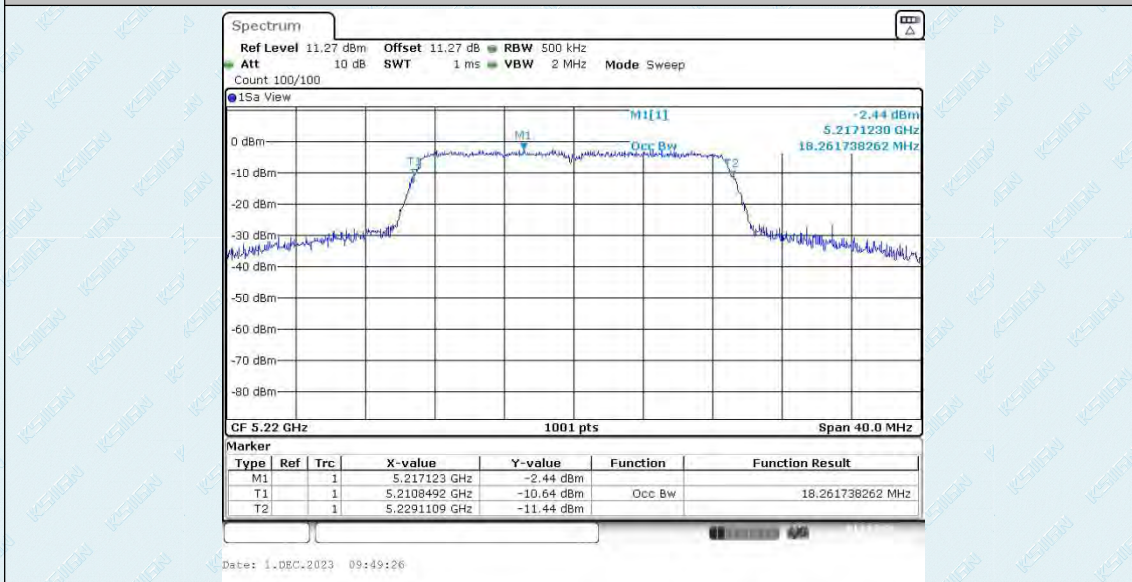
11N40SISO_Ant1_5795



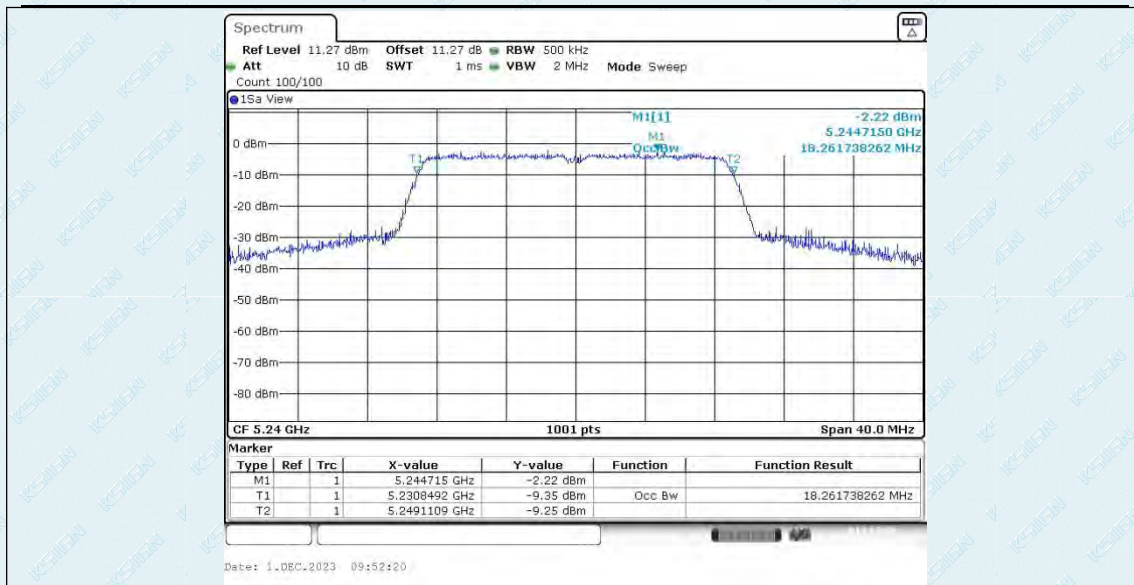
11AC20SISO_Ant1_5180



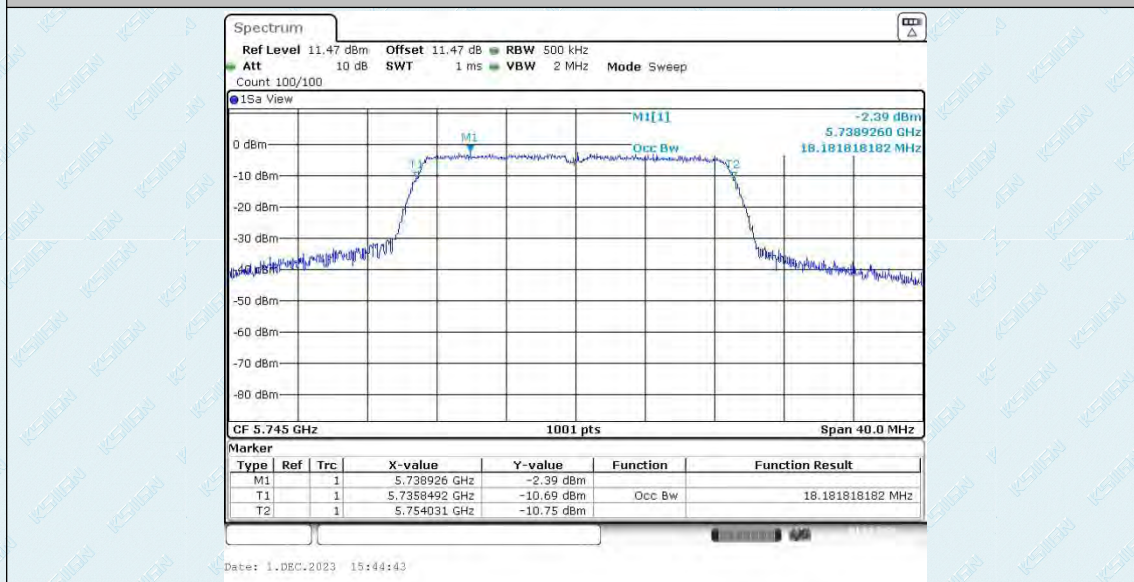
11AC20SISO_Ant1_5220



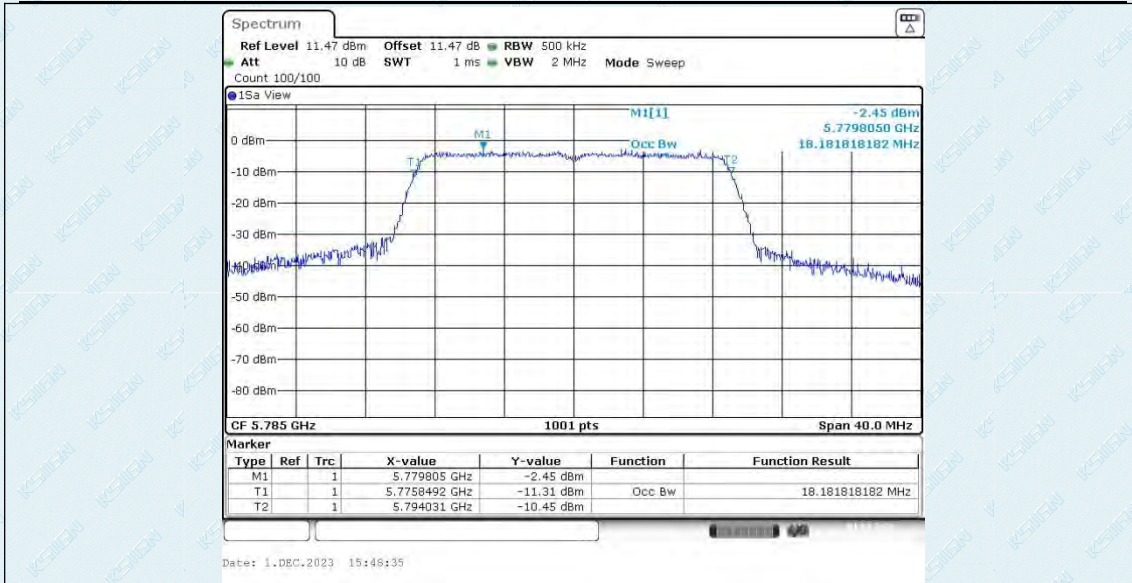
11AC20SISO_Ant1_5240



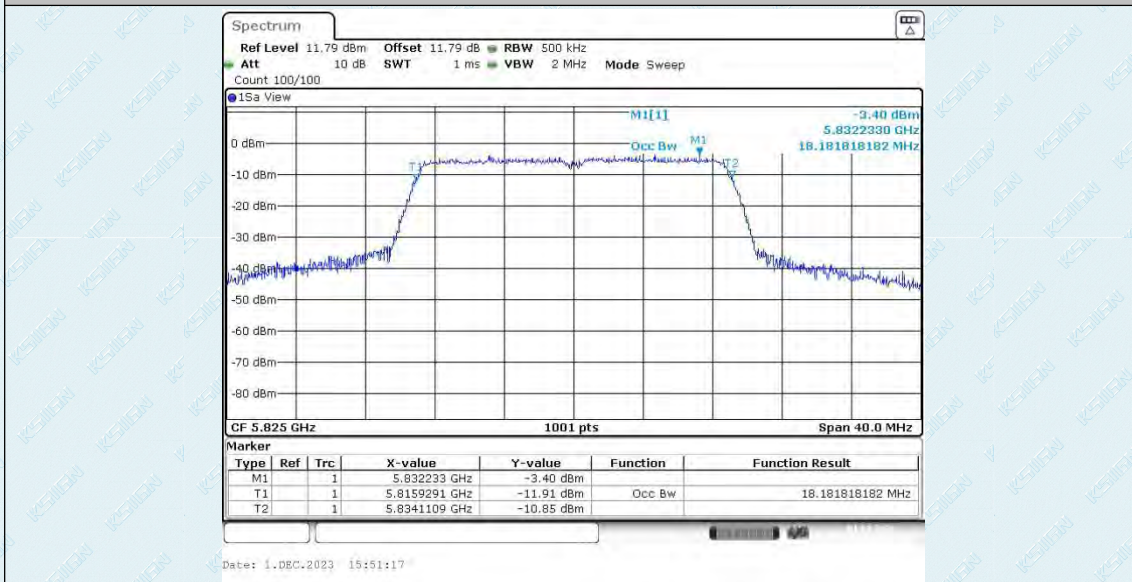
11AC20SISO_Ant1_5745



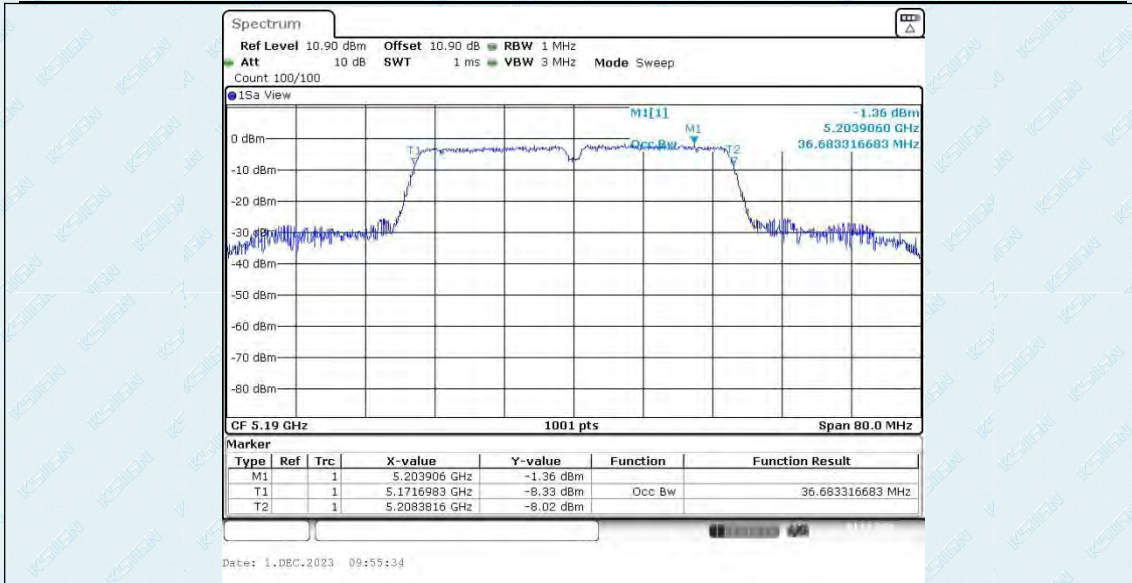
11AC20SISO_Ant1_5785



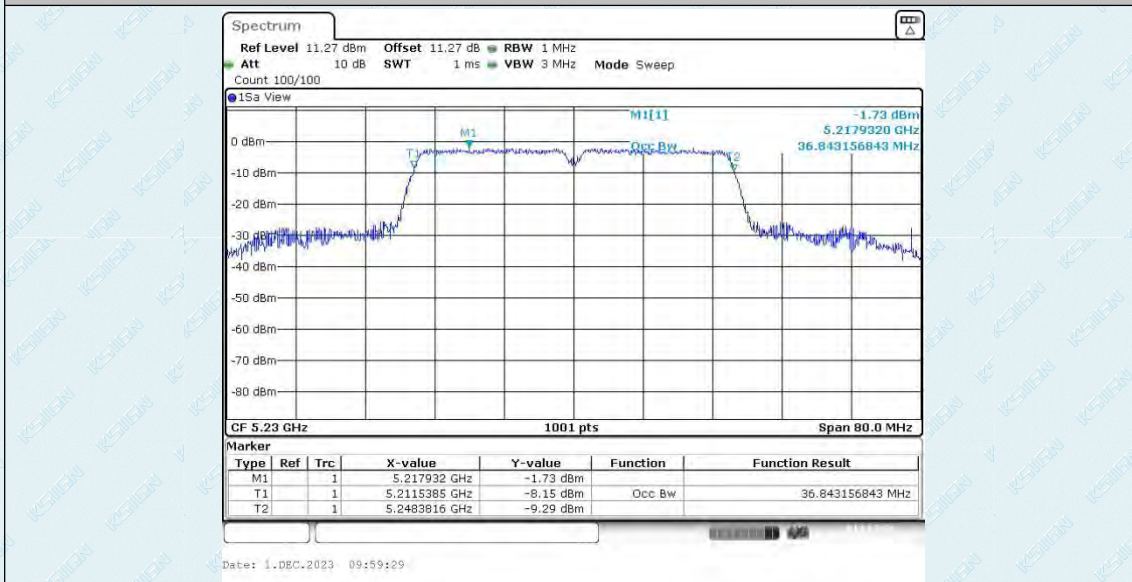
11AC20SISO_Ant1_5825



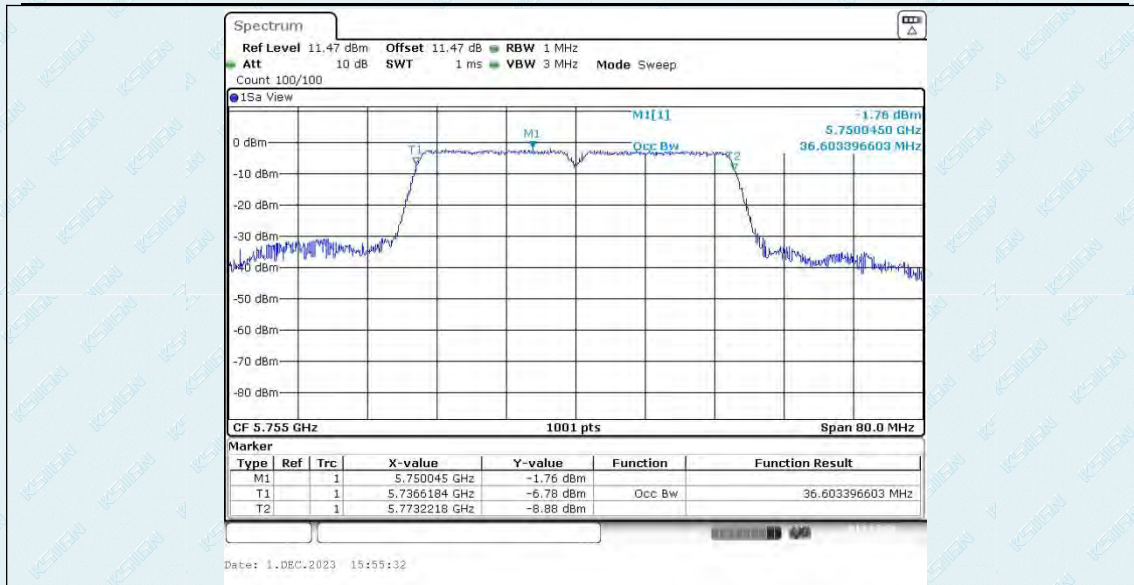
11AC40SISO_Ant1_5190



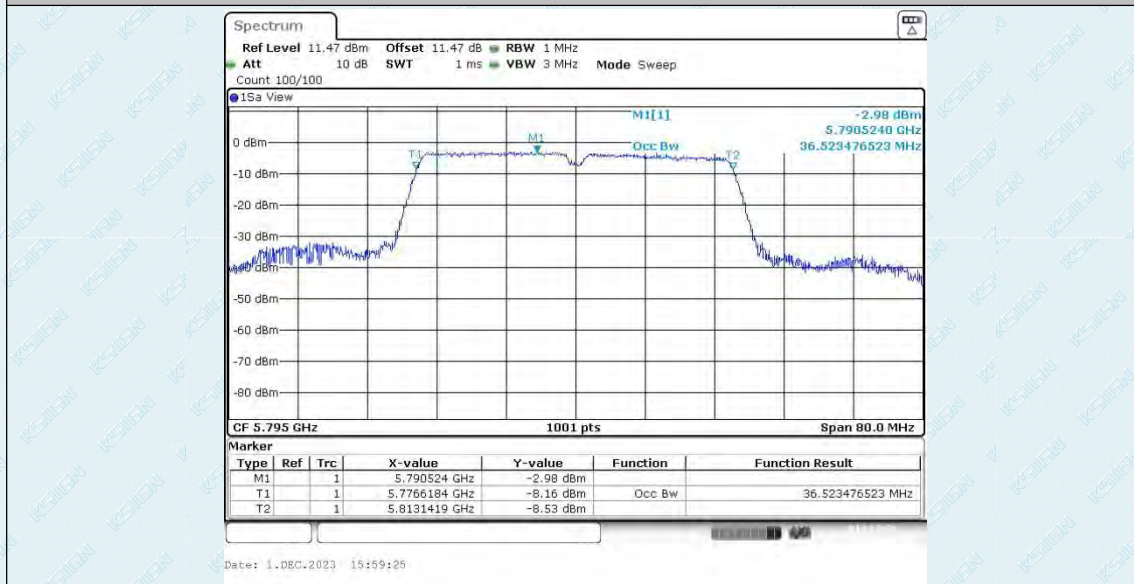
11AC40SISO_Ant1_5230



11AC40SISO_Ant1_5755



11AC40SiSO_Ant1_5795

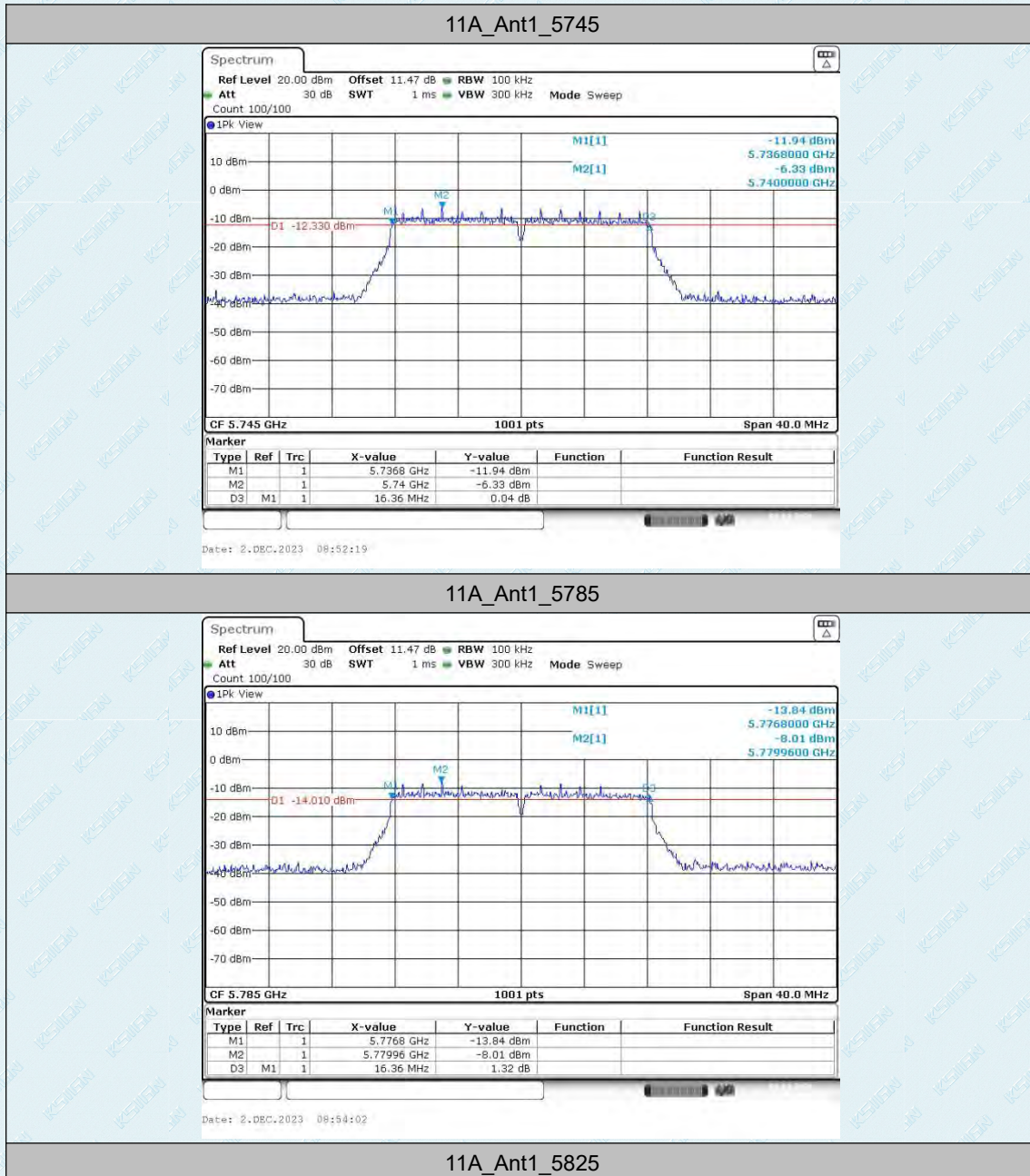


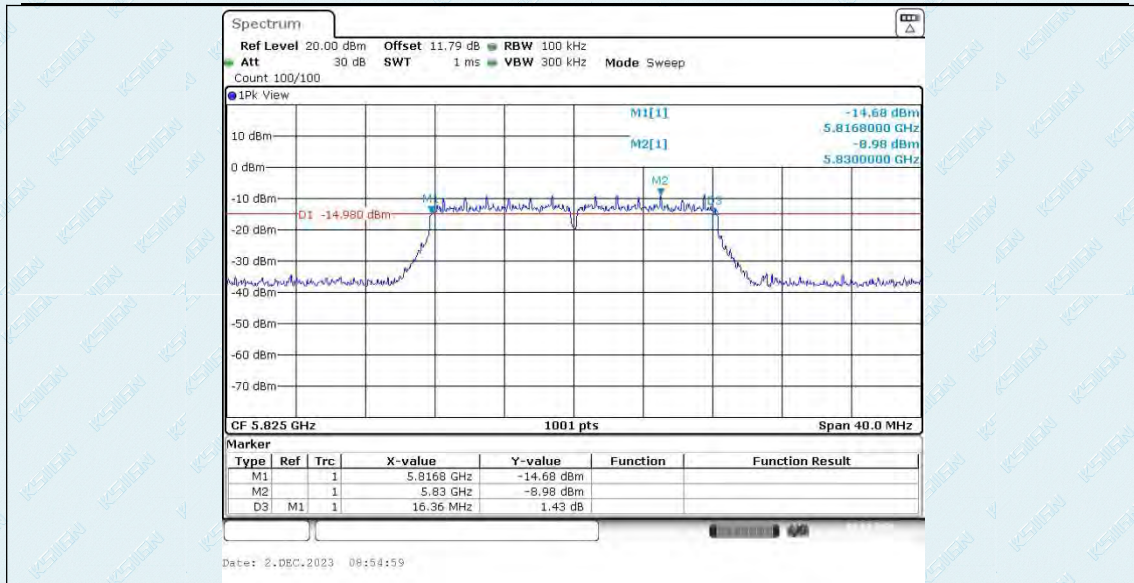
Appendix A3: 6dB emission bandwidth

Test Result

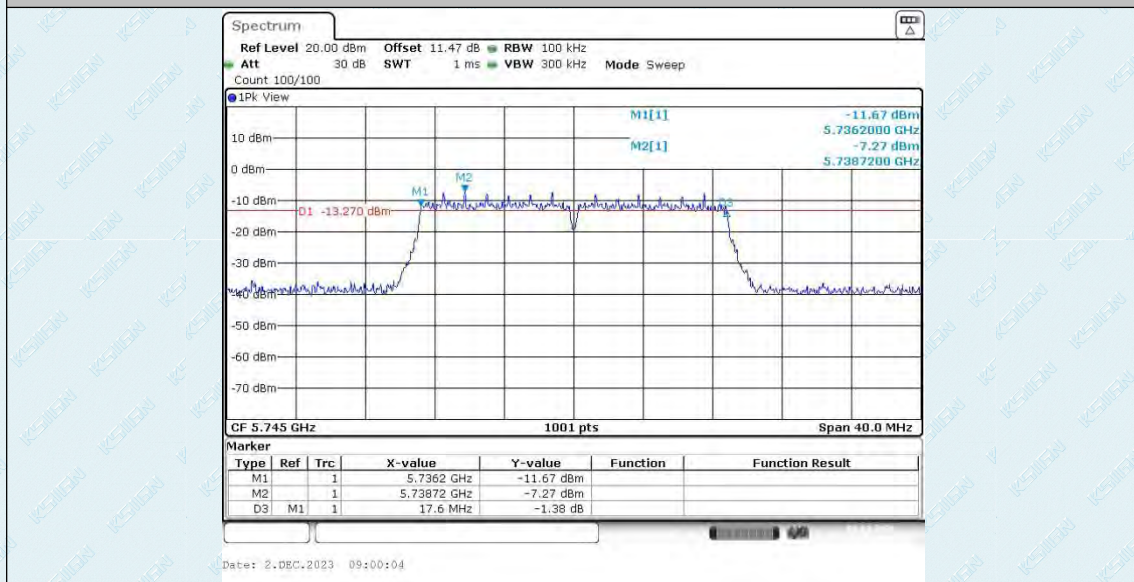
TestMode	Antenna	Frequency[MHz]	6dB EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.36	5736.80	5753.16	0.5	PASS
		5785	16.36	5776.80	5793.16	0.5	PASS
		5825	16.36	5816.80	5833.16	0.5	PASS
11N20SISO	Ant1	5745	17.60	5736.20	5753.80	0.5	PASS
		5785	17.60	5776.20	5793.80	0.5	PASS
		5825	17.60	5816.20	5833.80	0.5	PASS
11N40SISO	Ant1	5755	36.32	5736.84	5773.16	0.5	PASS
		5795	36.08	5776.84	5812.92	0.5	PASS
11AC20SISO	Ant1	5745	17.60	5736.20	5753.80	0.5	PASS
		5785	17.56	5776.20	5793.76	0.5	PASS
		5825	17.60	5816.20	5833.80	0.5	PASS
11AC40SISO	Ant1	5755	36.32	5736.84	5773.16	0.5	PASS
		5795	36.08	5776.84	5812.92	0.5	PASS

Test Graphs

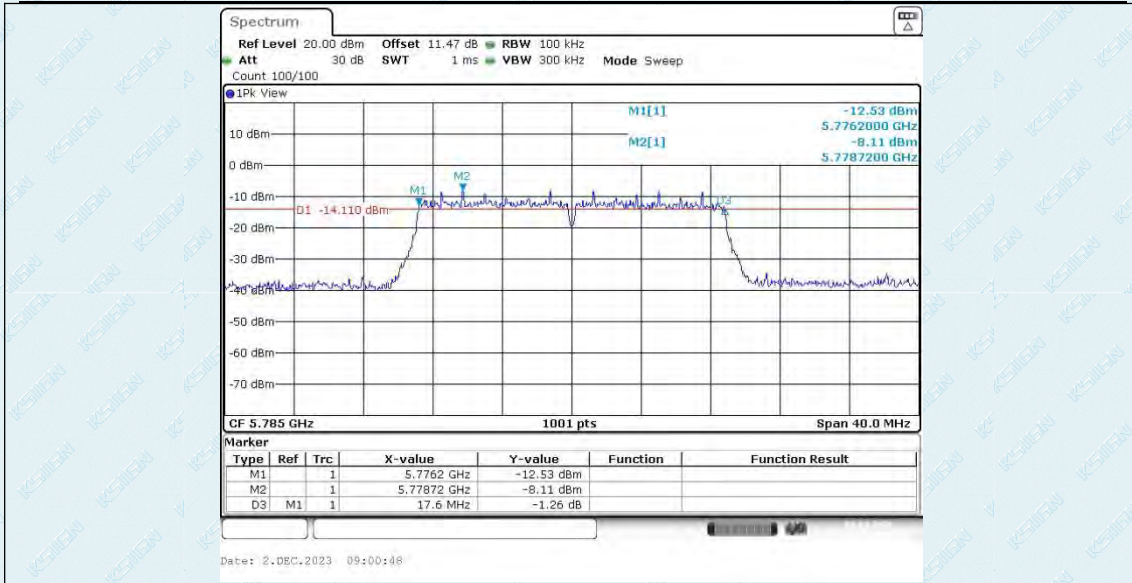




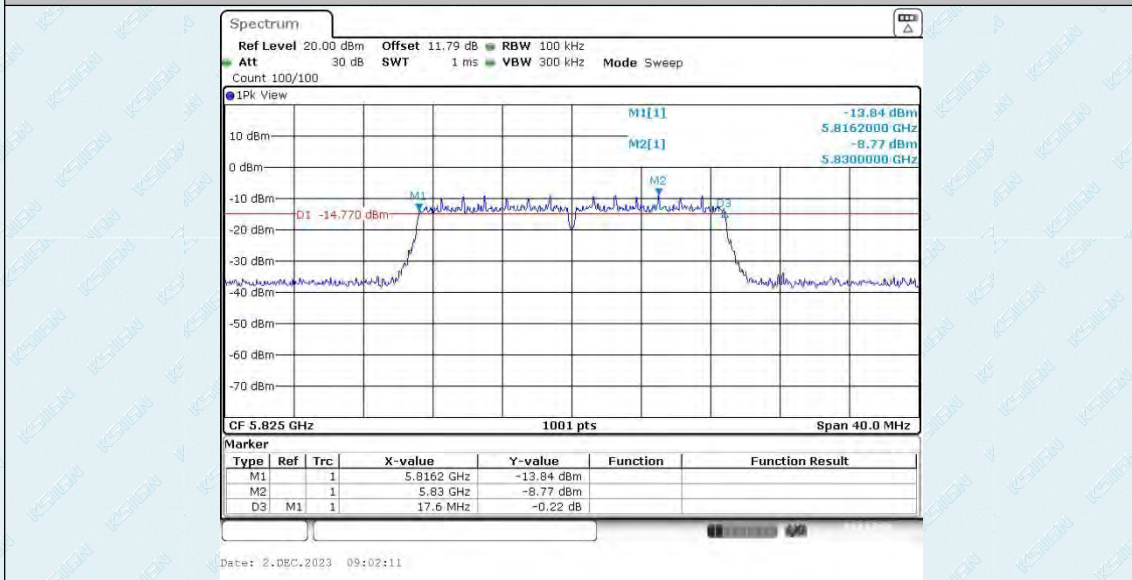
11N20SISO_Ant1_5745



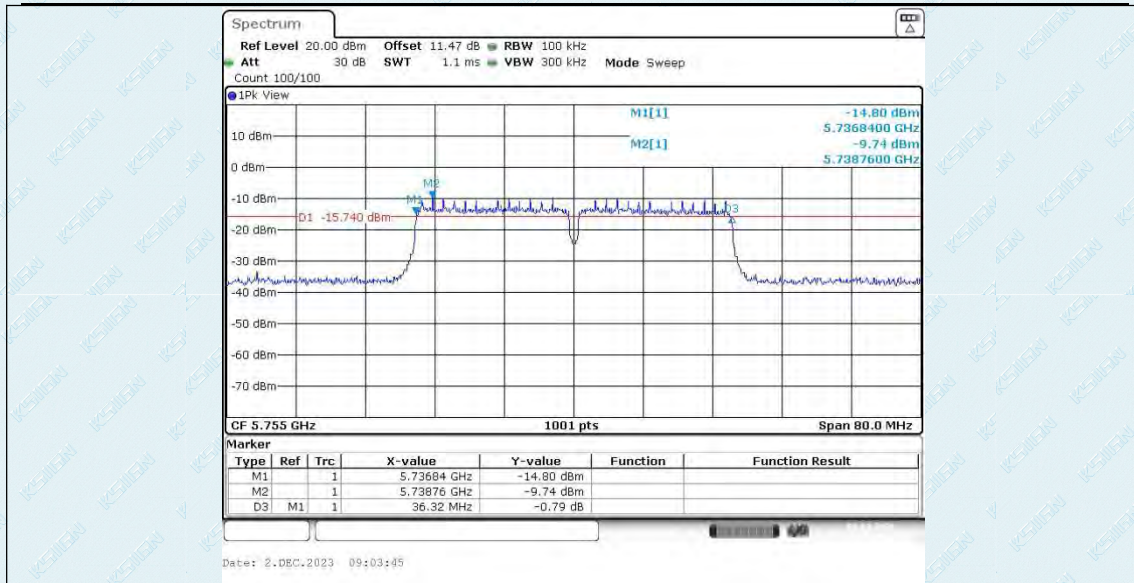
11N20SISO_Ant1_5785



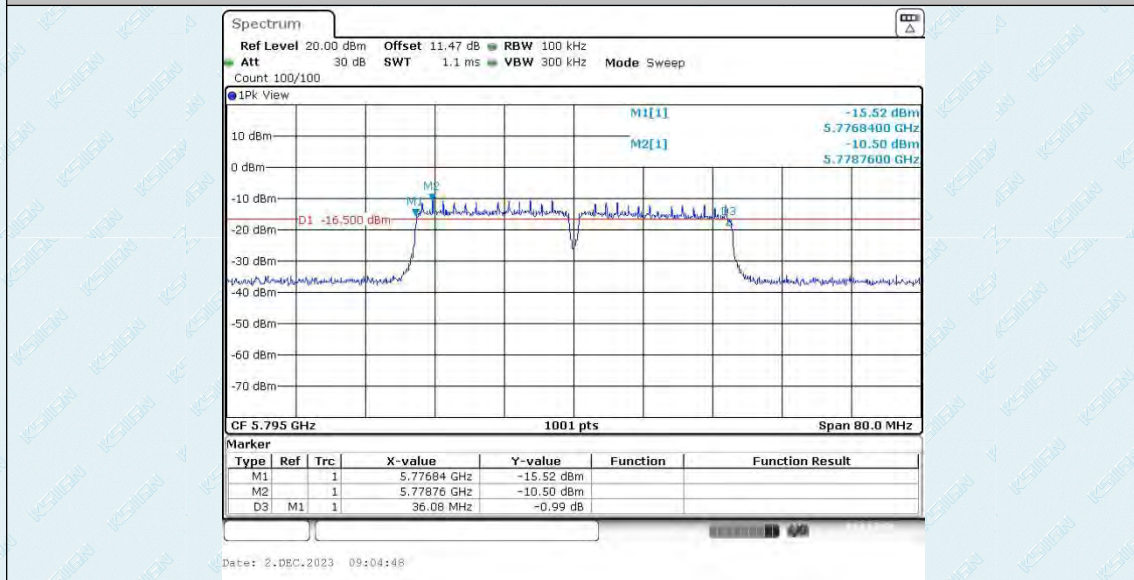
11N20SISO_Ant1_5825



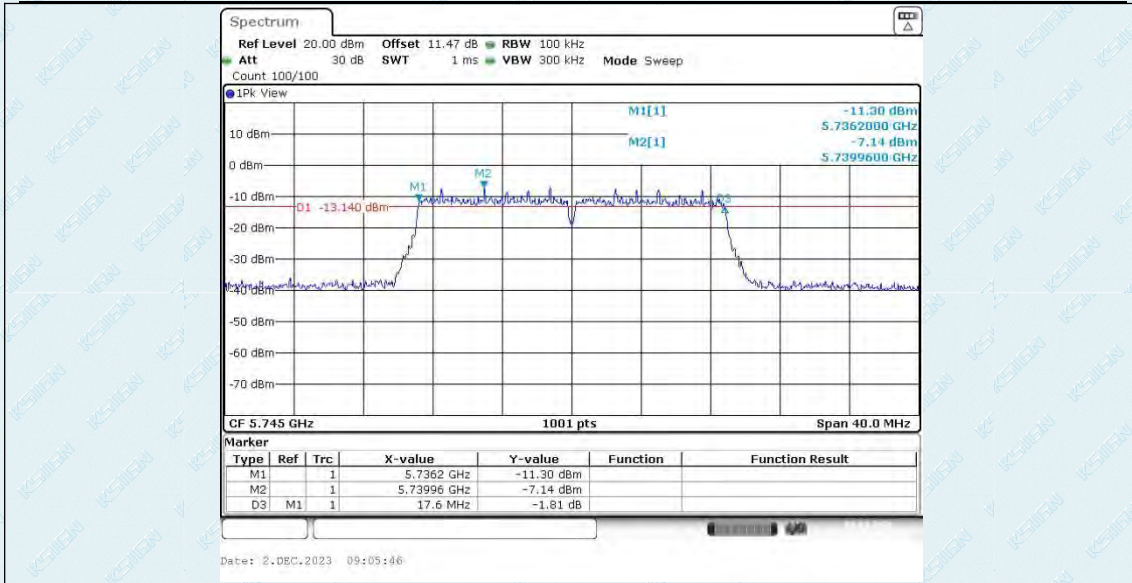
11N40SISO_Ant1_5755



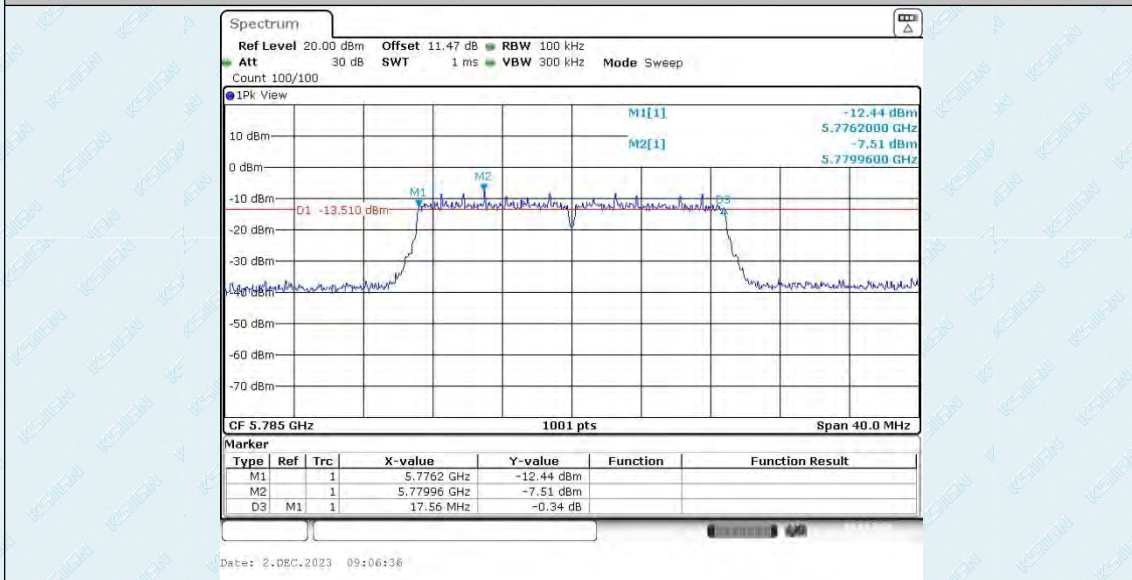
11N40SISO_Ant1_5795



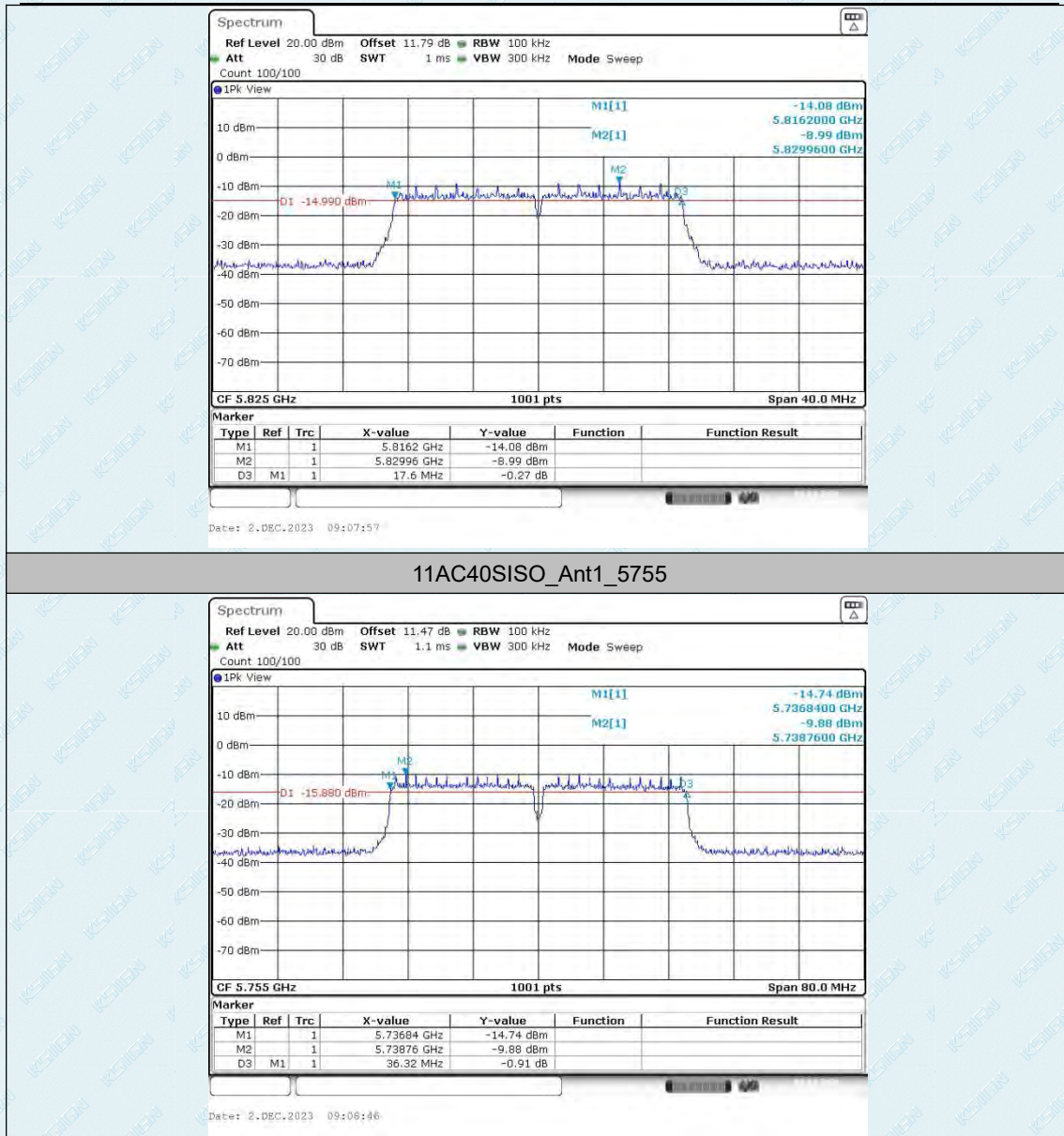
11AC20SISO_Ant1_5745

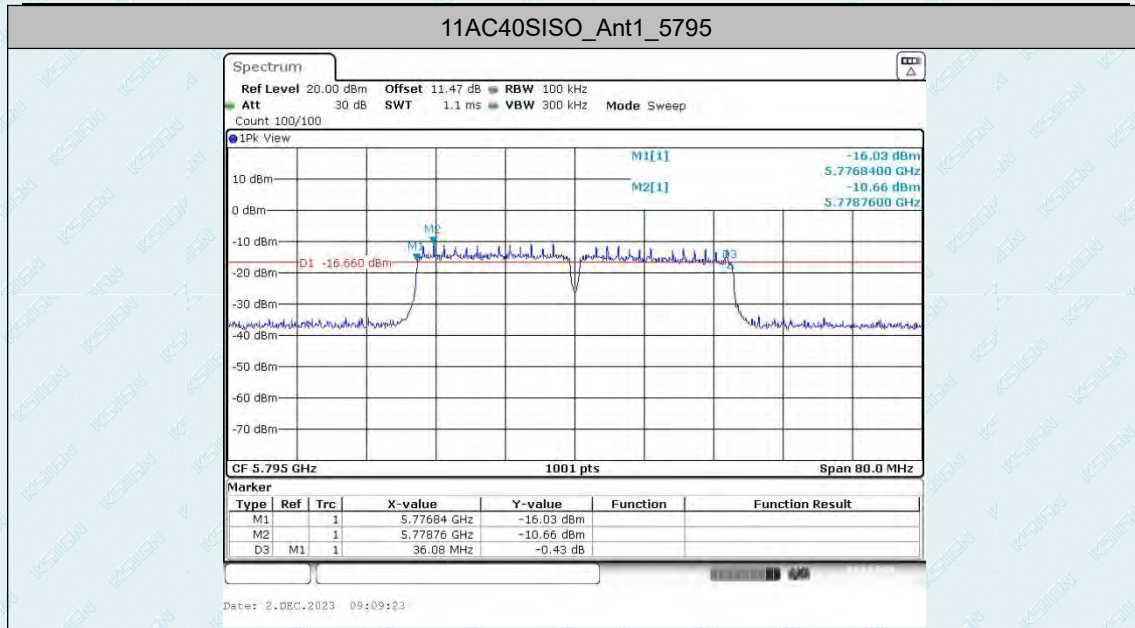


11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



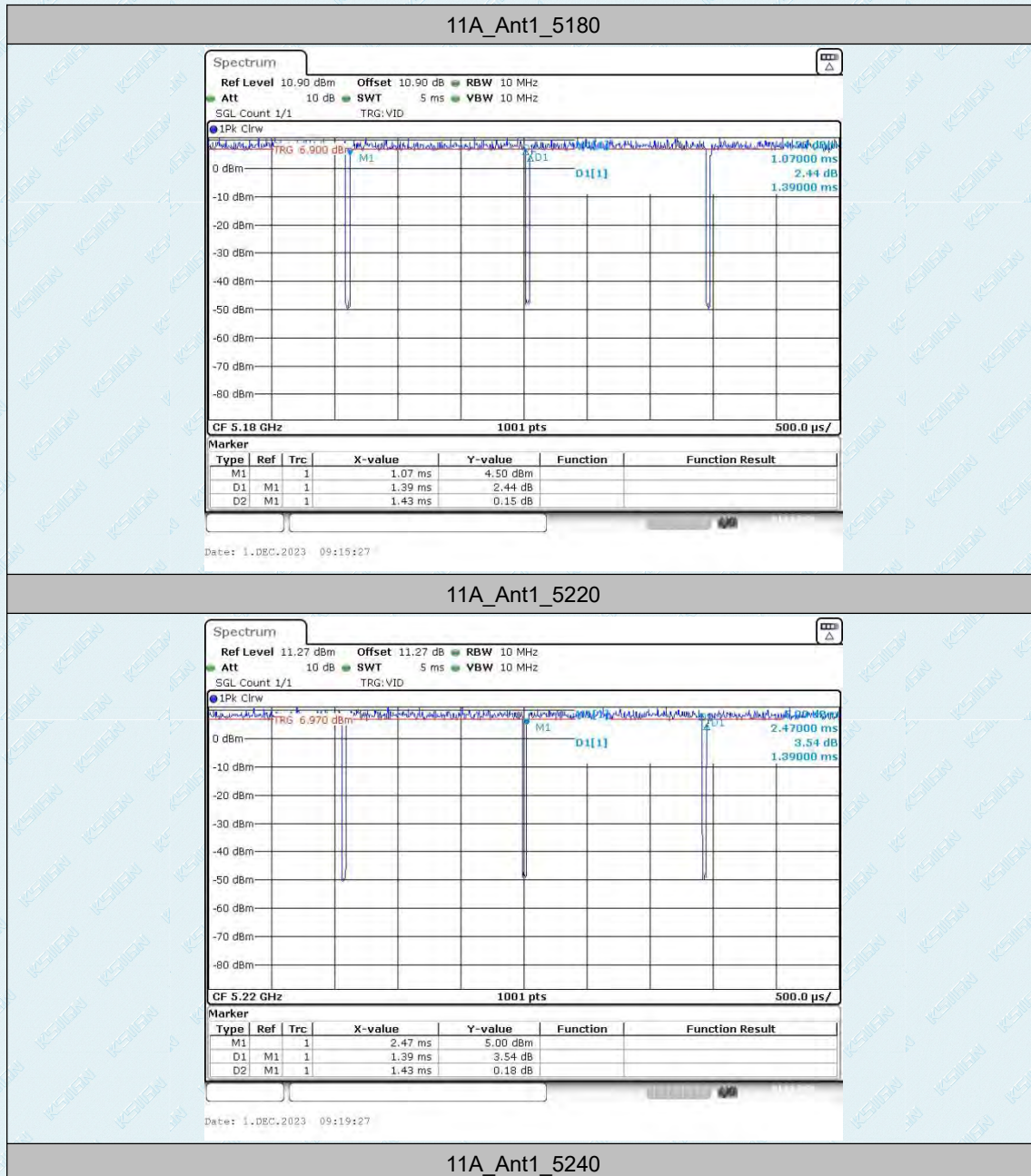


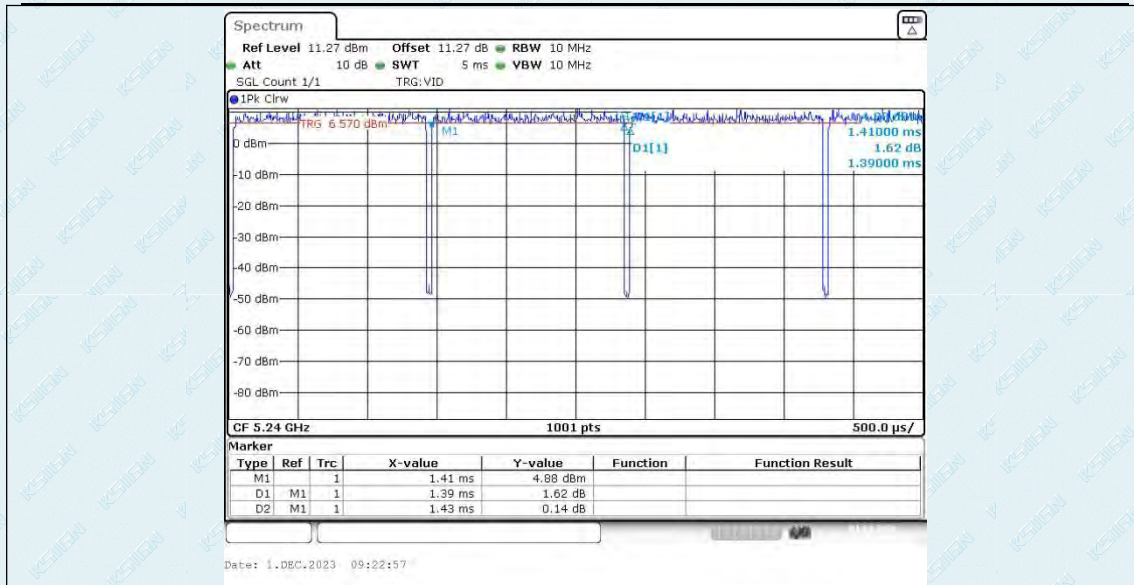
Appendix B: Duty Cycle

Test Result

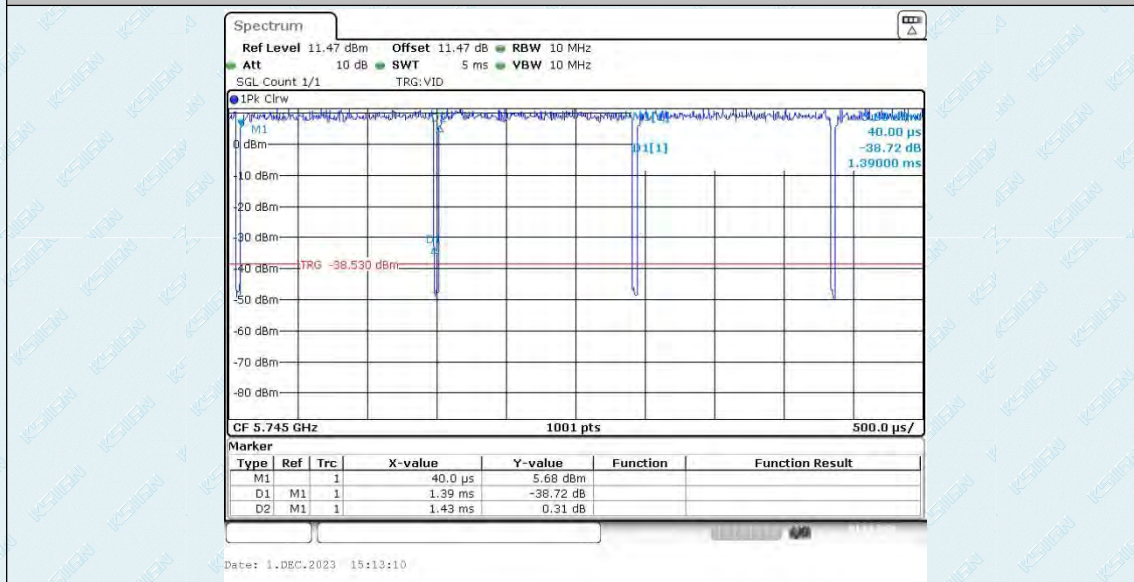
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5180	1.39	1.43	97.20
		5220	1.39	1.43	97.20
		5240	1.39	1.43	97.20
		5745	1.39	1.43	97.20
		5785	1.39	1.42	97.89
		5825	1.39	1.42	97.89
11N20SISO	Ant1	5180	1.30	1.34	97.01
		5220	1.30	1.33	97.74
		5240	1.30	1.34	97.01
		5745	1.30	1.33	97.74
		5785	1.30	1.34	97.01
		5825	1.30	1.33	97.74
11N40SISO	Ant1	5190	0.65	0.68	95.59
		5230	0.64	0.68	94.12
		5755	0.64	0.68	94.12
		5795	0.65	0.68	95.59
11AC20SISO	Ant1	5180	1.30	1.34	97.01
		5220	1.30	1.34	97.01
		5240	1.30	1.34	97.01
		5745	1.30	1.34	97.01
		5785	1.30	1.34	97.01
		5825	1.30	1.33	97.74
11AC40SISO	Ant1	5190	0.65	0.68	95.59
		5230	0.65	0.68	95.59
		5755	0.65	0.68	95.59
		5795	0.64	0.68	94.12

Test Graphs

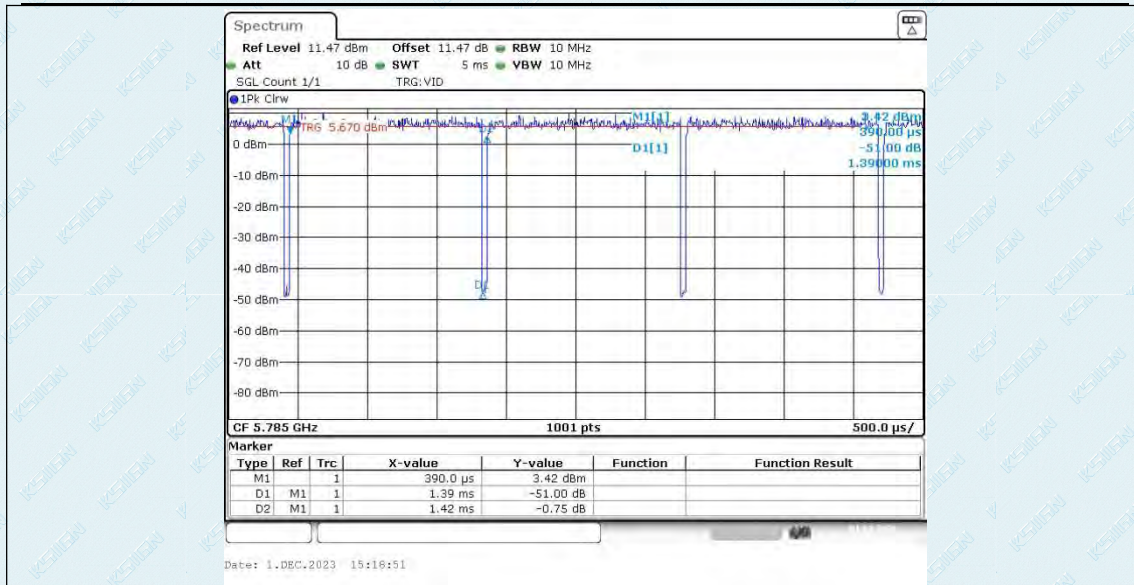




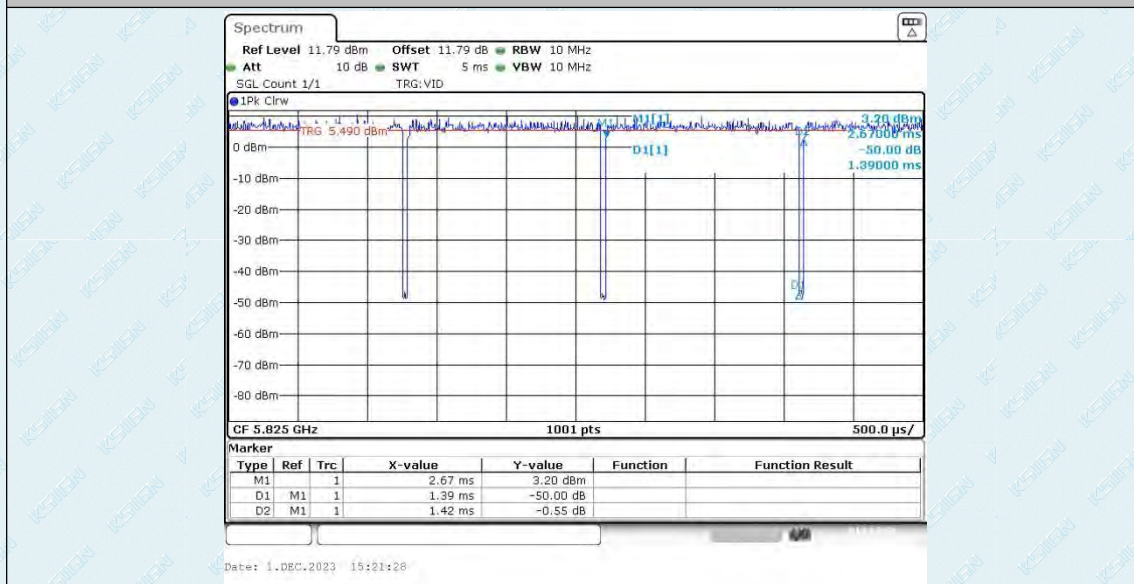
11A_Ant1_5745



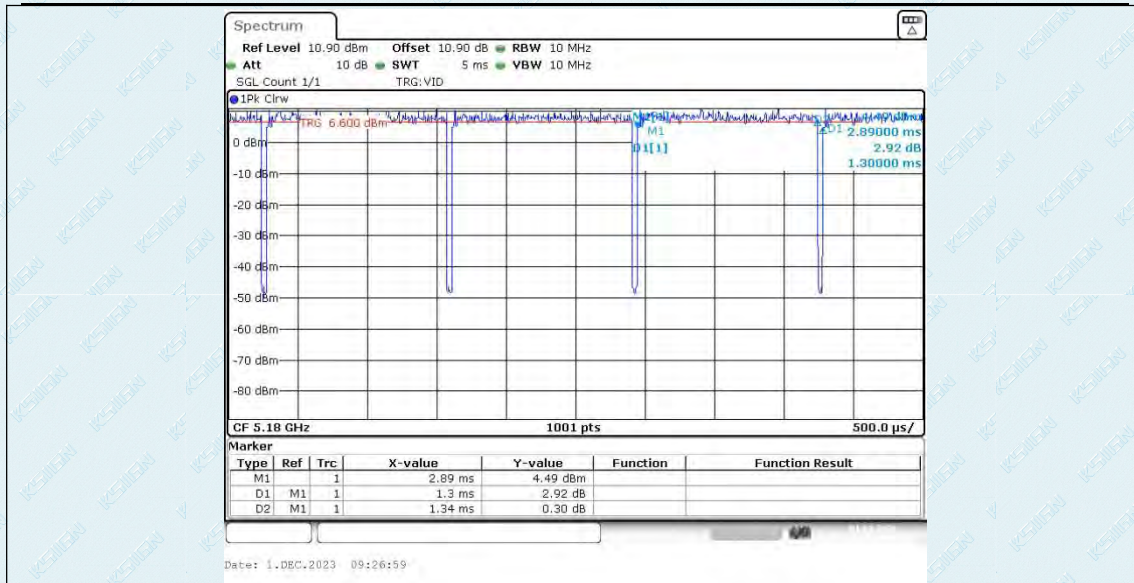
11A_Ant1_5785



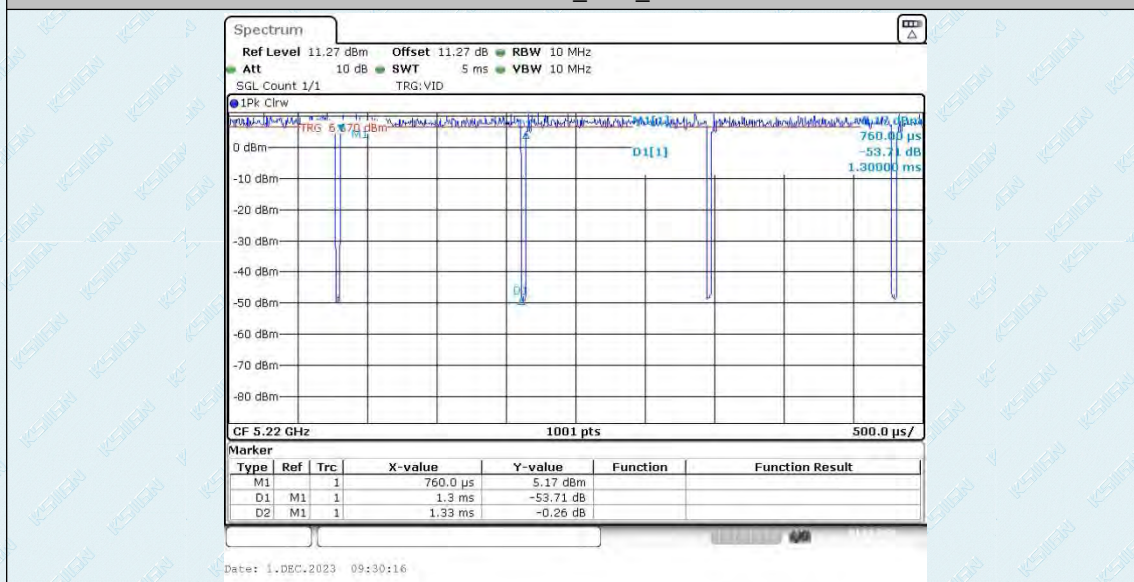
11A_Ant1_5825



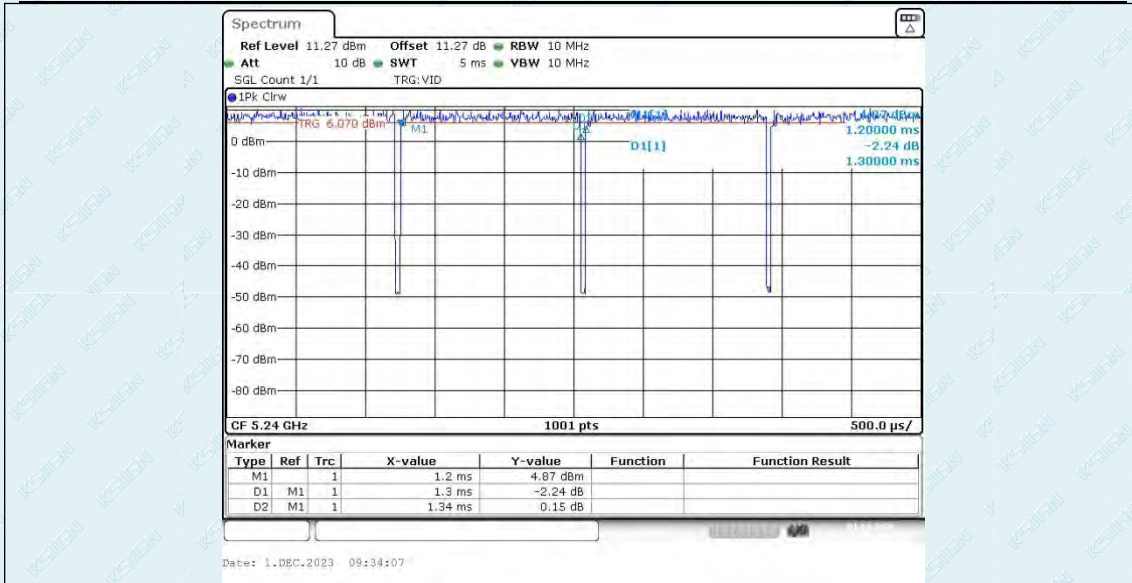
11N20SISO_Ant1_5180



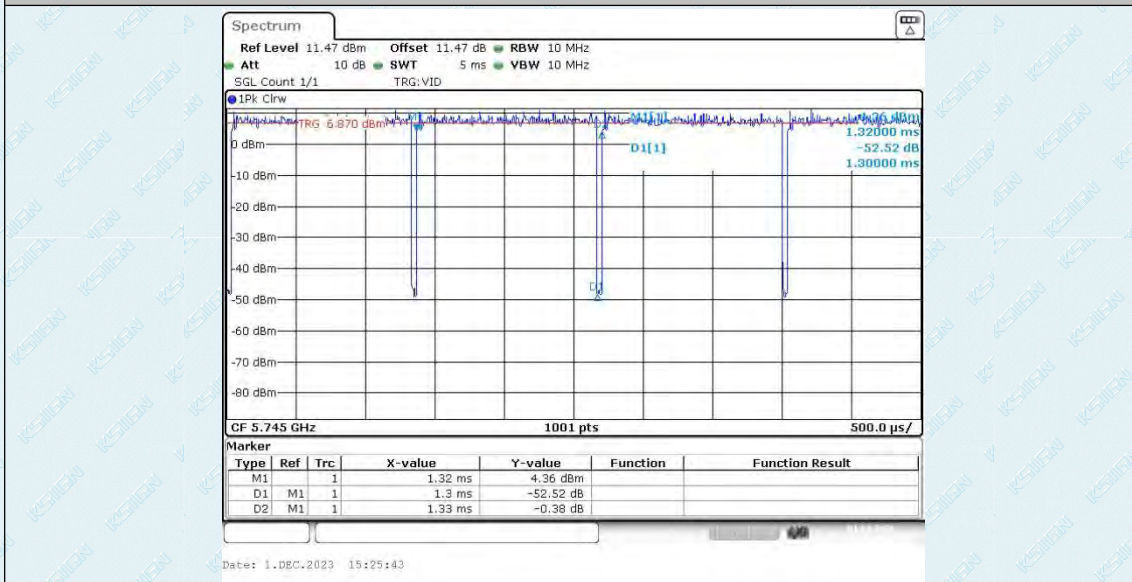
11N20SISO_Ant1_5220



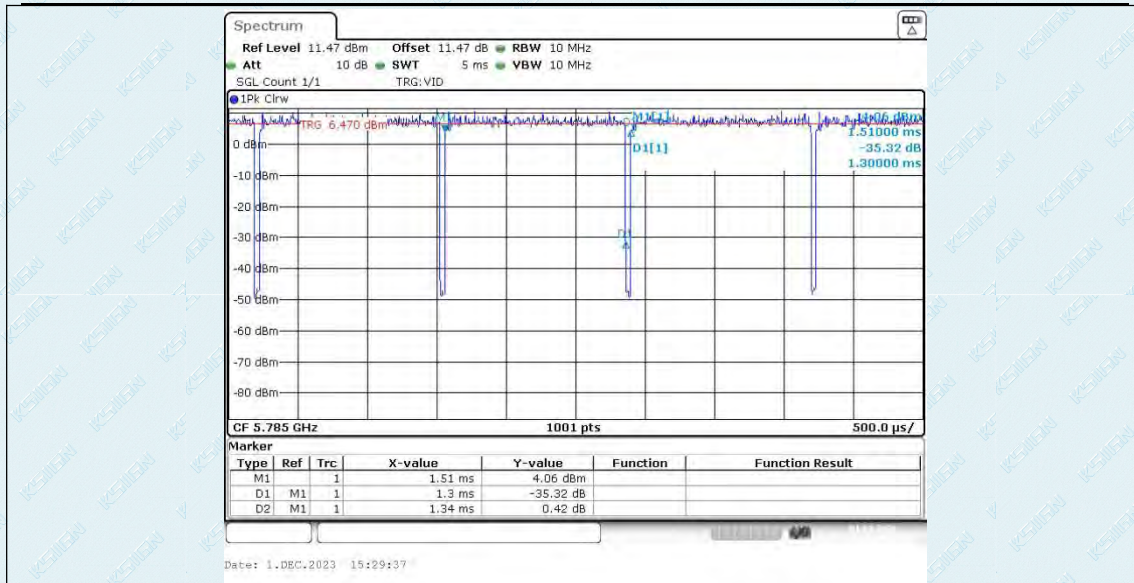
11N20SISO_Ant1_5240



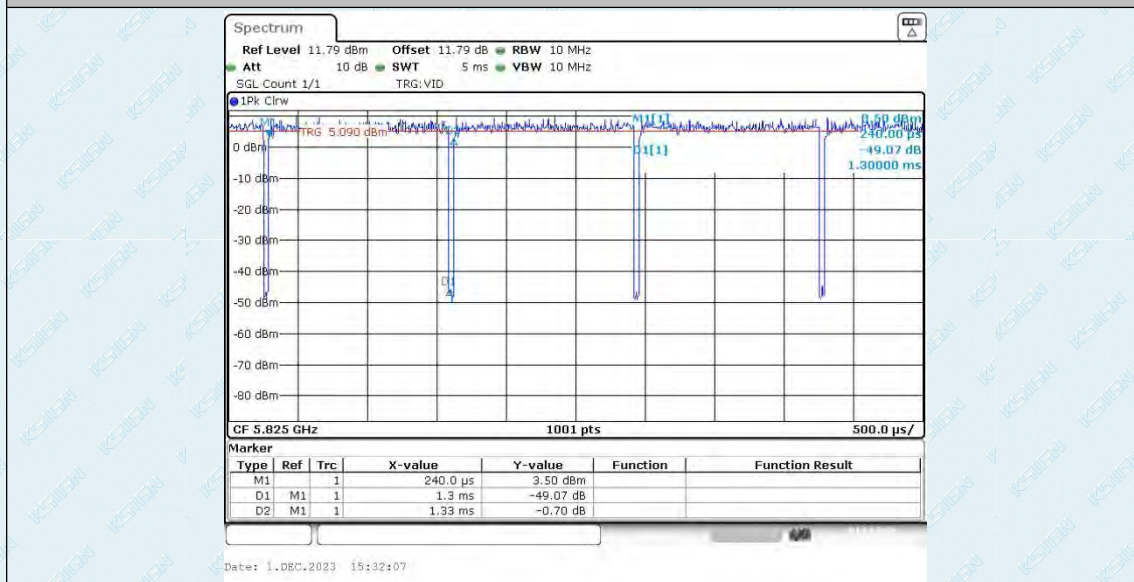
11N20SISO_Ant1_5745



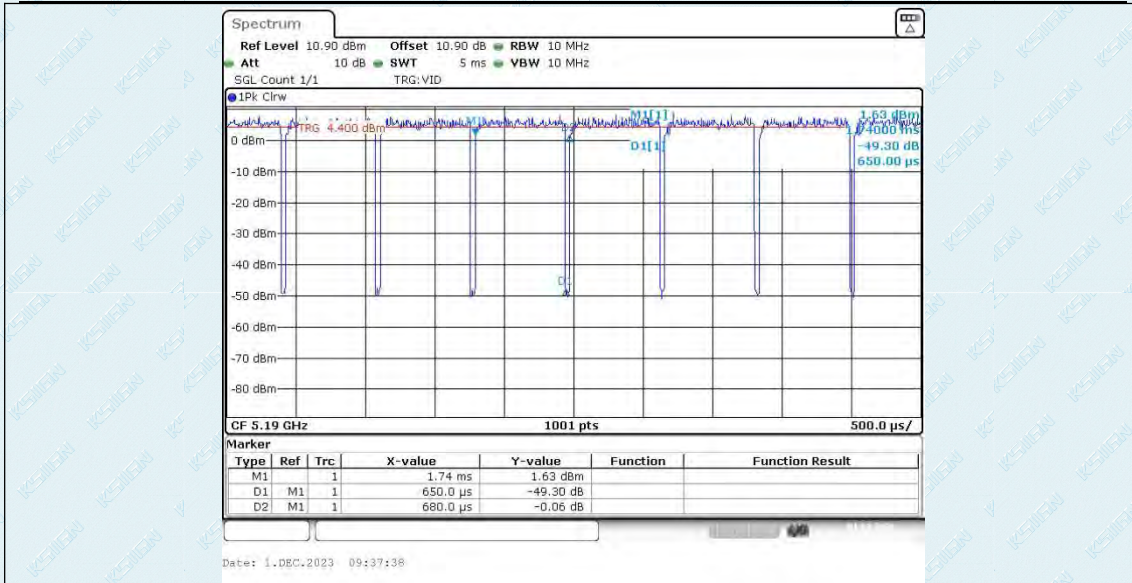
11N20SISO_Ant1_5785



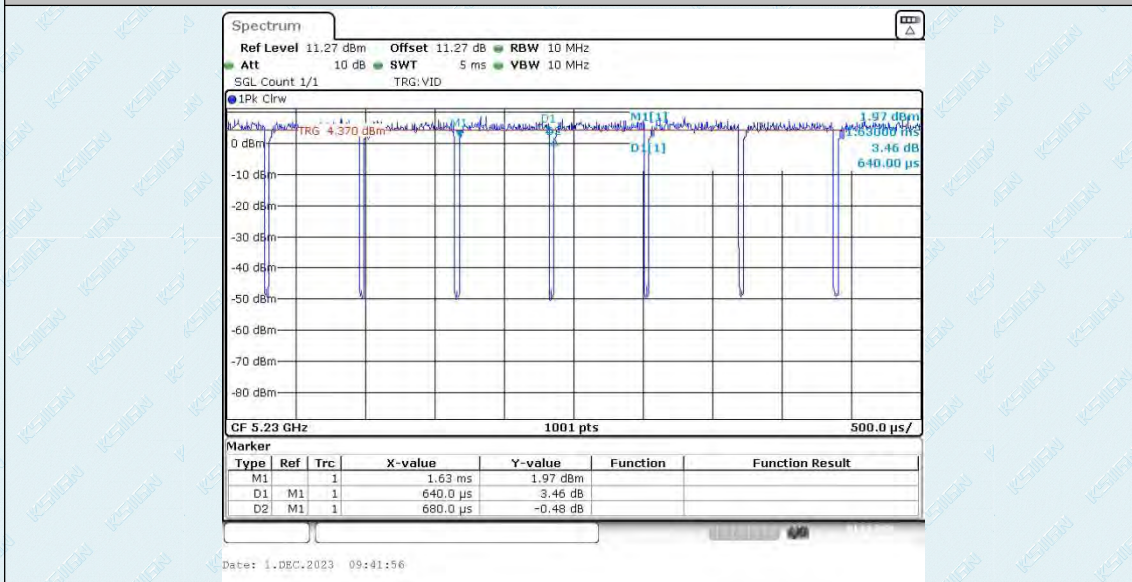
11N20SISO_Ant1_5825



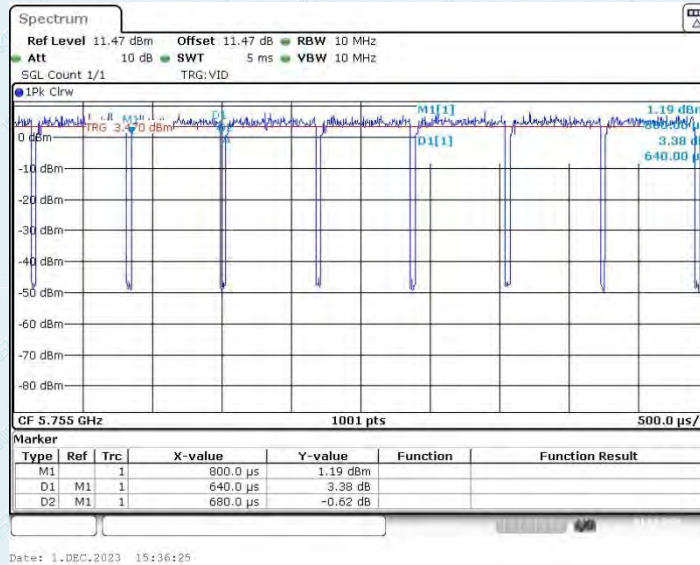
11N40SISO_Ant1_5190



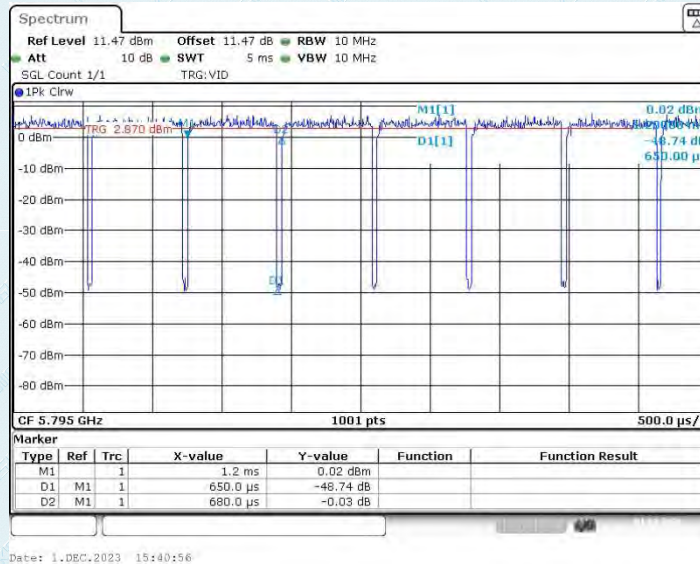
11N40SISO_Ant1_5230



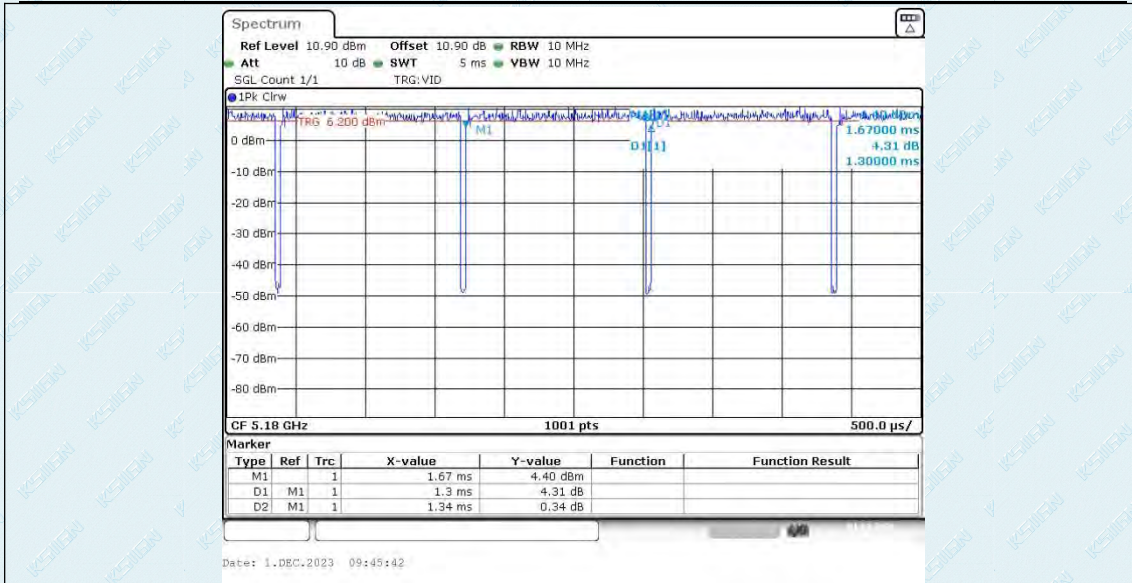
11N40SISO_Ant1_5755



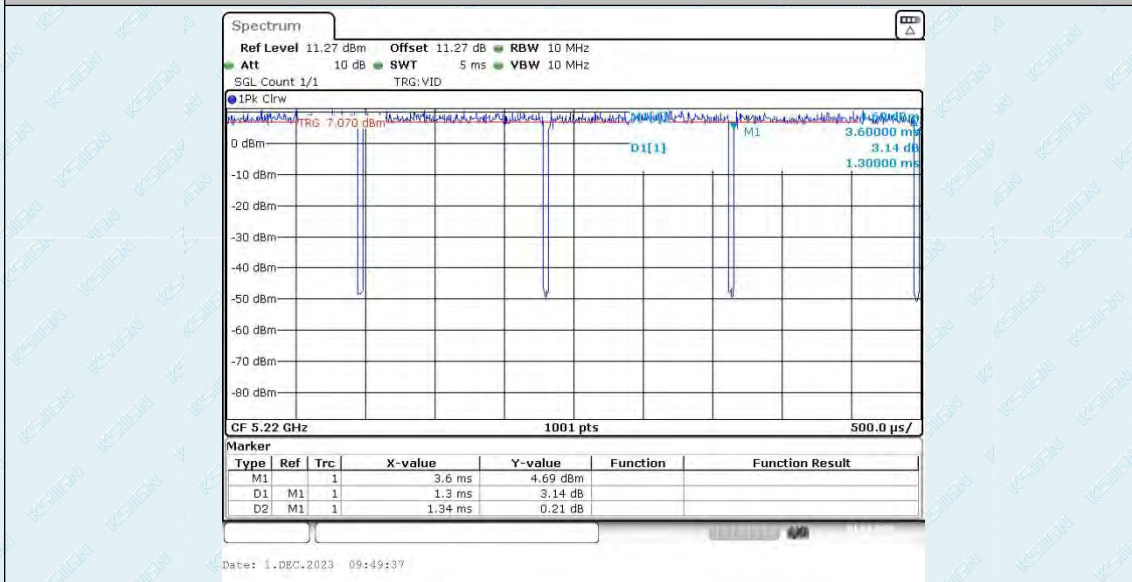
11N40SISO_Ant1_5795



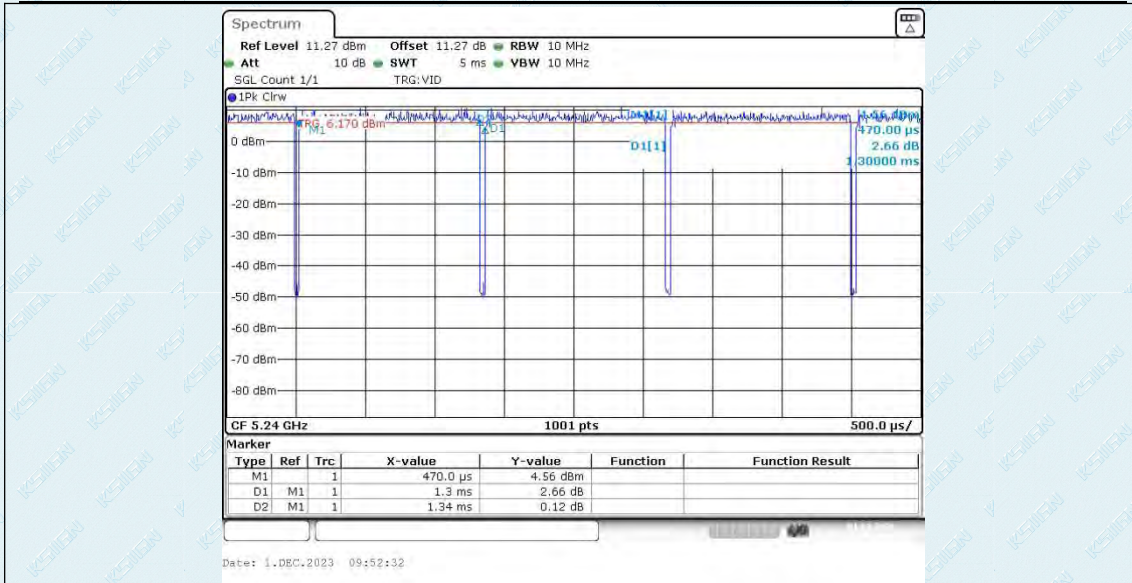
11AC20SISO_Ant1_5180



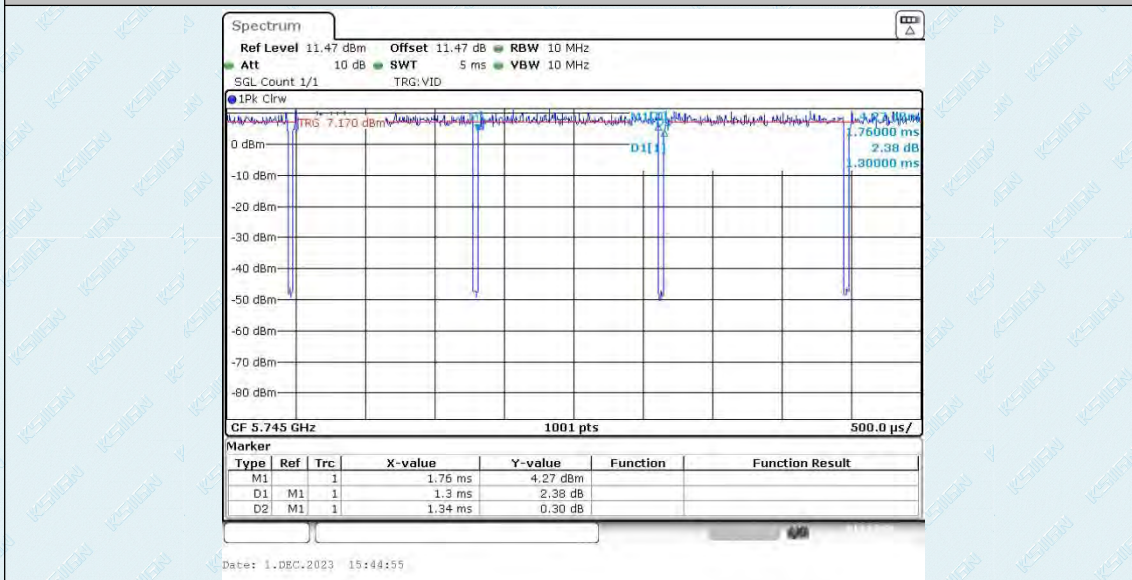
11AC20SISO_Ant1_5220



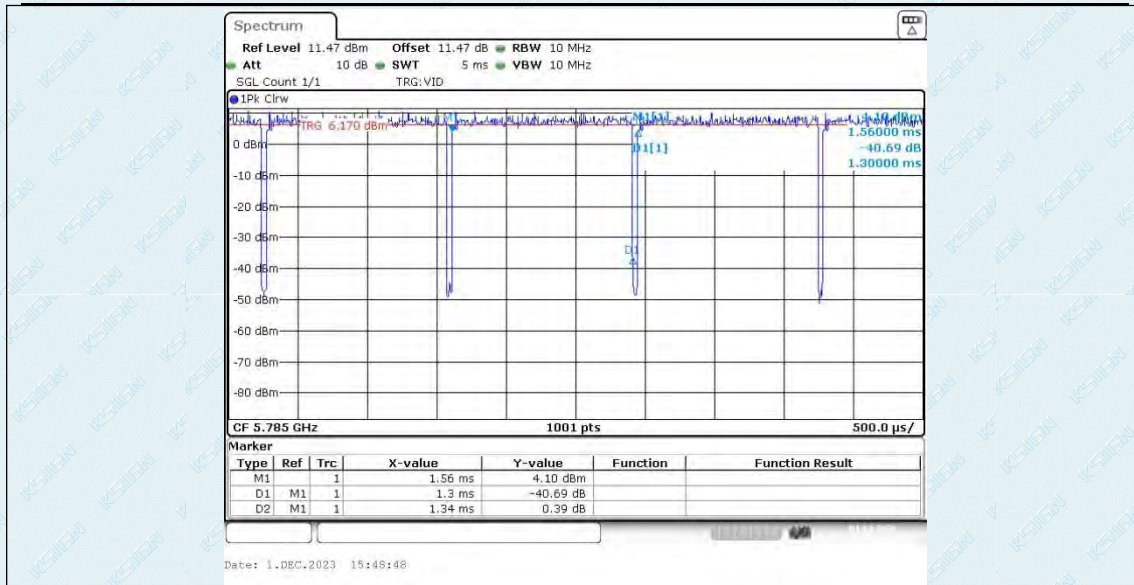
11AC20SISO_Ant1_5240



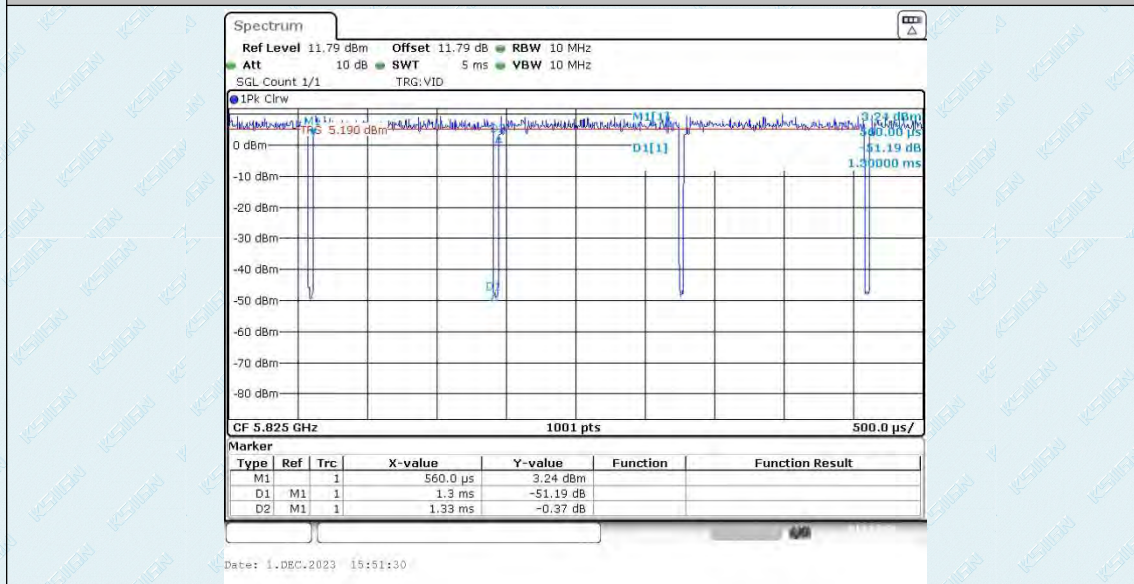
11AC20SISO_Ant1_5745



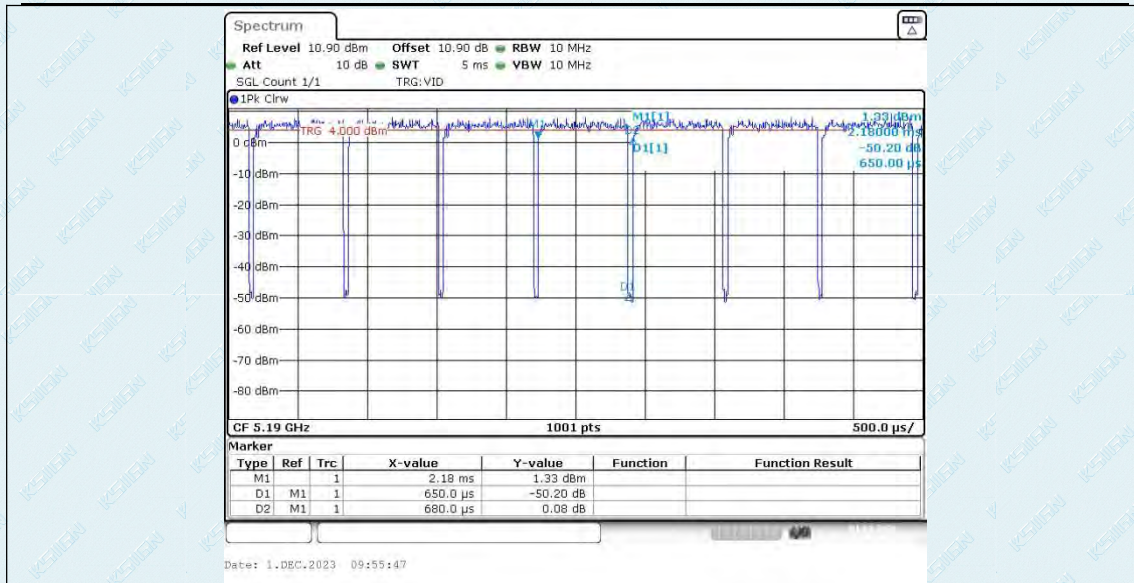
11AC20SISO_Ant1_5785



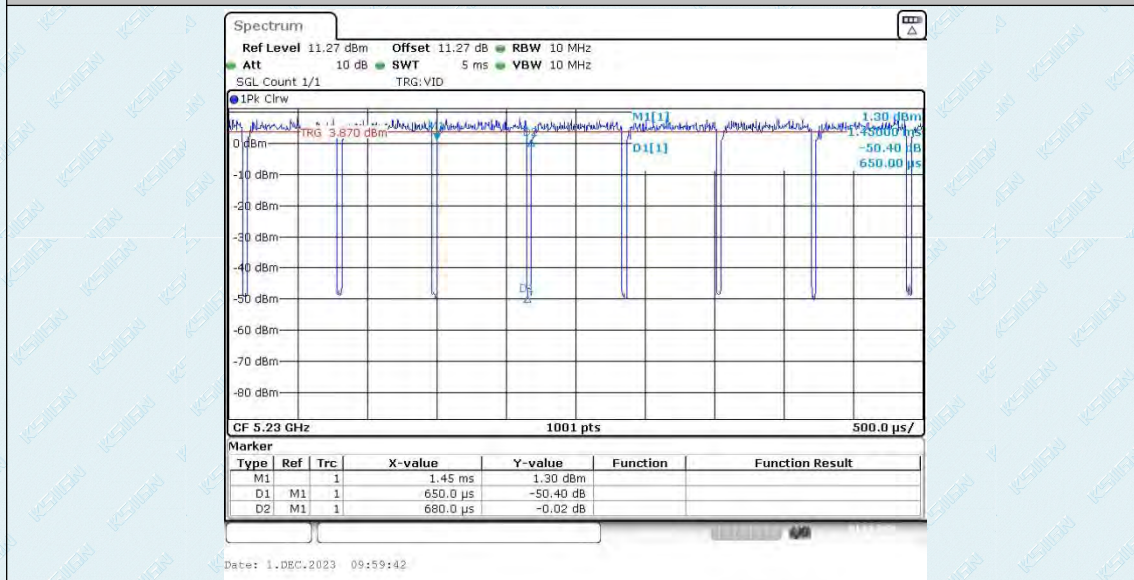
11AC20SISO_Ant1_5825



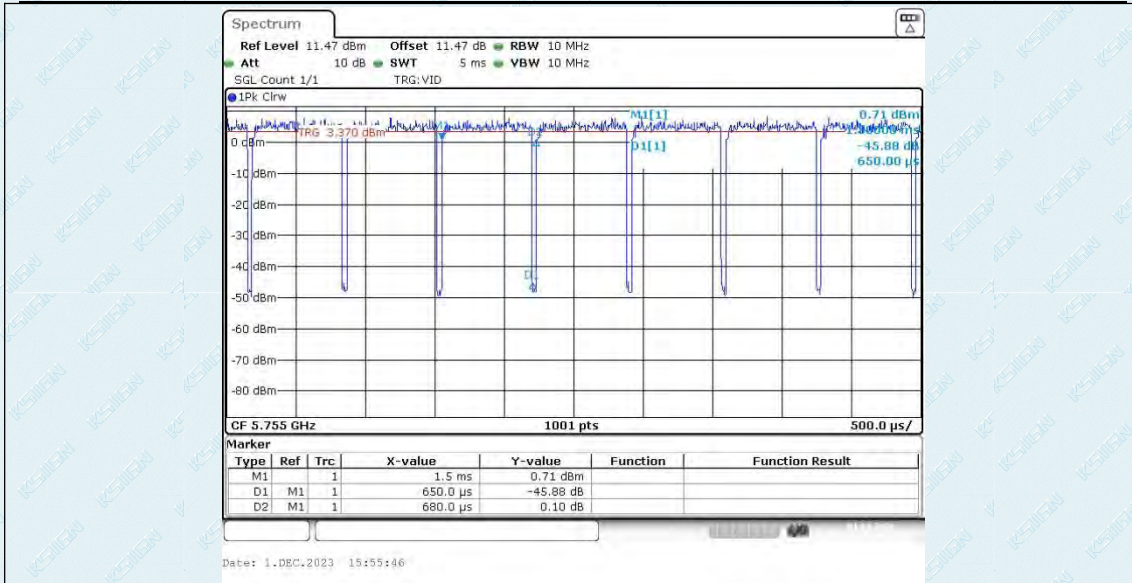
11AC40SISO_Ant1_5190



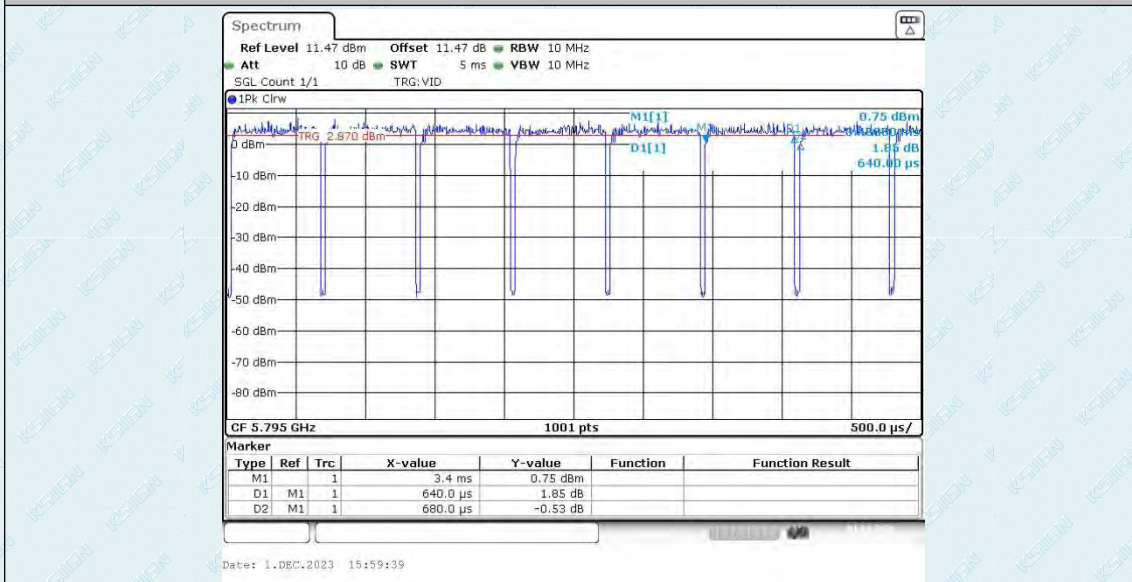
11AC40SISO_Ant1_5230



11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Frequency [MHz]	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	3.97	97.20	0.12	4.09	≤23.98	PASS
		5220	4.50	97.20	0.12	4.62	≤23.98	PASS
		5240	4.23	97.20	0.12	4.35	≤23.98	PASS
		5745	2.96	97.20	0.12	3.08	≤30.00	PASS
		5785	2.47	97.89	0.09	2.56	≤30.00	PASS
		5825	2.54	97.89	0.09	2.63	≤30.00	PASS
11N20SISO	Ant1	5180	4.12	97.01	0.13	4.25	≤23.98	PASS
		5220	4.29	97.74	0.10	4.39	≤23.98	PASS
		5240	4.06	97.01	0.13	4.19	≤23.98	PASS
		5745	3.76	97.74	0.10	3.86	≤30.00	PASS
		5785	3.48	97.01	0.13	3.61	≤30.00	PASS
		5825	2.62	97.74	0.10	2.72	≤30.00	PASS
11N40SISO	Ant1	5190	4.36	95.59	0.20	4.56	≤23.98	PASS
		5230	4.36	94.12	0.26	4.62	≤23.98	PASS
		5755	3.68	94.12	0.26	3.94	≤30.00	PASS
		5795	3.14	95.59	0.20	3.34	≤30.00	PASS
11AC20SISO	Ant1	5180	4.06	97.01	0.13	4.19	≤23.98	PASS
		5220	4.21	97.01	0.13	4.34	≤23.98	PASS
		5240	4.21	97.01	0.13	4.34	≤23.98	PASS
		5745	3.89	97.01	0.13	4.02	≤30.00	PASS
		5785	3.52	97.01	0.13	3.65	≤30.00	PASS
		5825	2.64	97.74	0.10	2.74	≤30.00	PASS
11AC40SISO	Ant1	5190	4.31	95.59	0.20	4.51	≤23.98	PASS
		5230	4.33	95.59	0.20	4.53	≤23.98	PASS
		5755	3.98	95.59	0.20	4.18	≤30.00	PASS
		5795	3.11	94.12	0.26	3.37	≤30.00	PASS

Note:

- 1.The Duty Cycle Factor is compensated in the graph.
- 2.The Conducted power is measured using a power meter(RF control unit contains a power meter).

Appendix D: Maximum power spectral density

Test Result

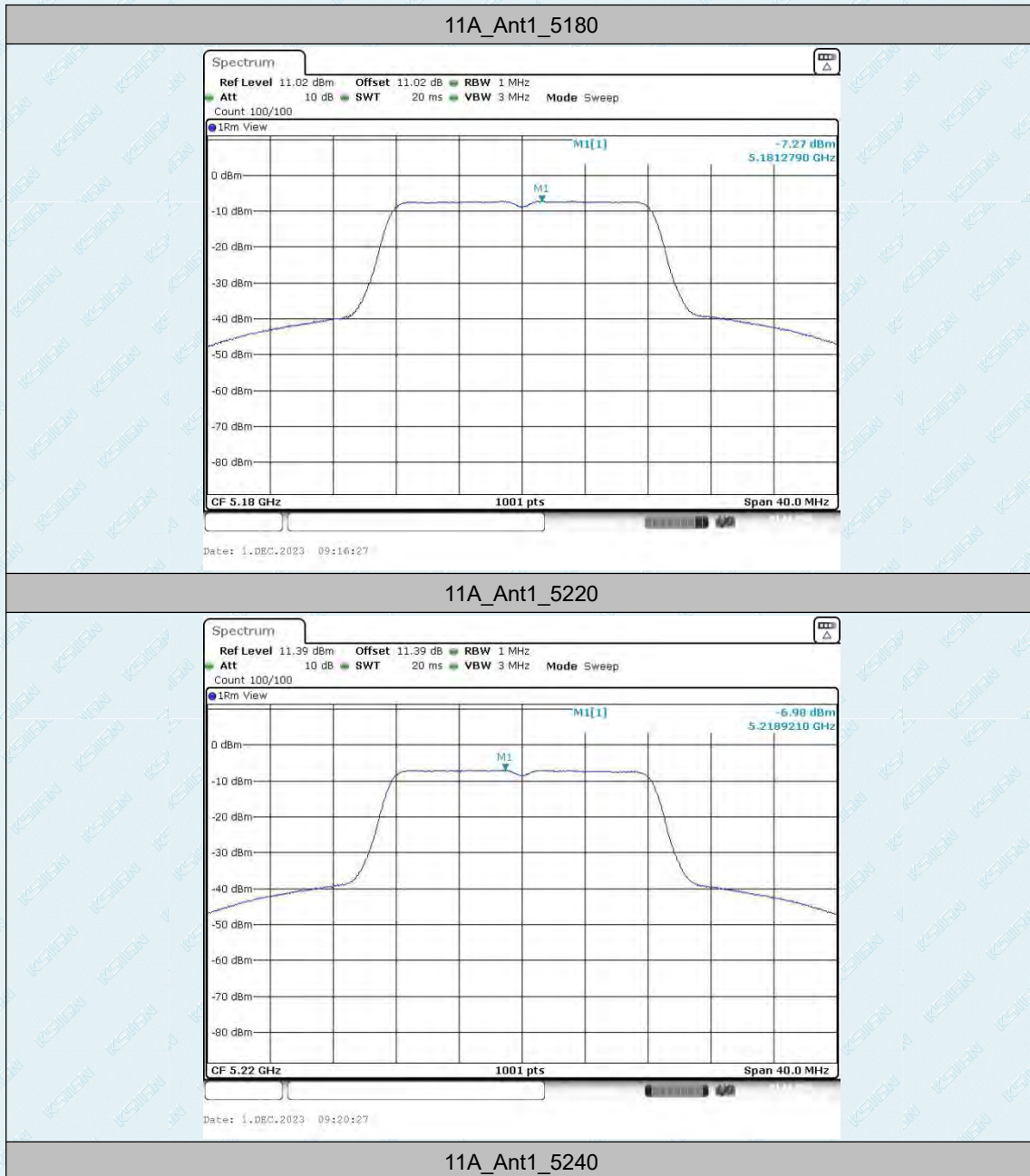
TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	-7.27	≤11.00	PASS
		5220	-6.98	≤11.00	PASS
		5240	-7.29	≤11.00	PASS
11N20SISO	Ant1	5180	-7.63	≤11.00	PASS
		5220	-7.45	≤11.00	PASS
		5240	-7.61	≤11.00	PASS
11N40SISO	Ant1	5190	-10	≤11.00	PASS
		5230	-10.15	≤11.00	PASS
11AC20SISO	Ant1	5180	-7.7	≤11.00	PASS
		5220	-7.34	≤11.00	PASS
		5240	-7.49	≤11.00	PASS
11AC40SISO	Ant1	5190	-10.05	≤11.00	PASS
		5230	-10.28	≤11.00	PASS

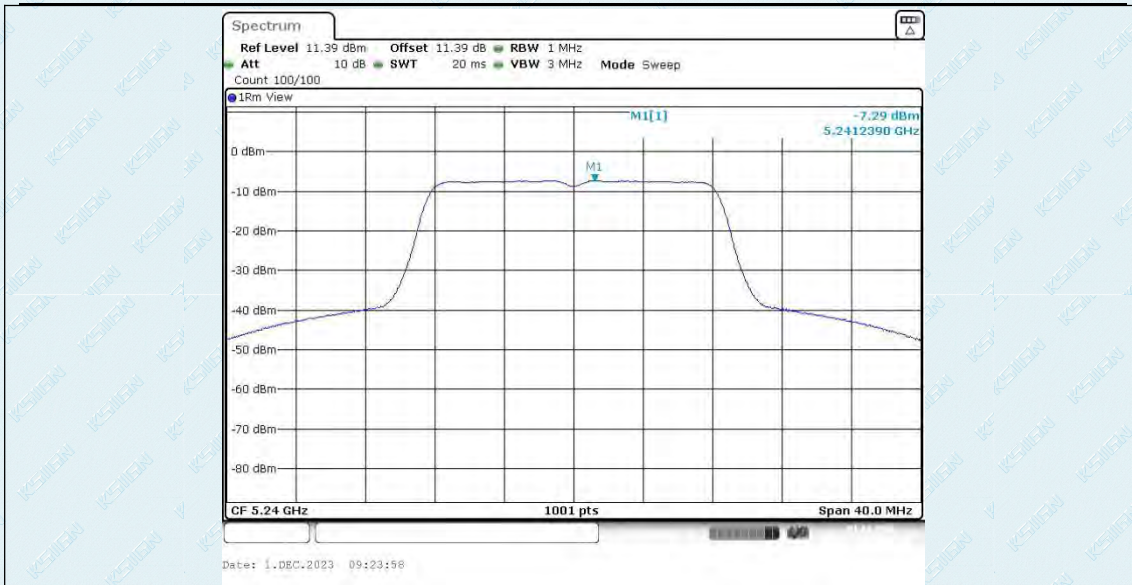
TestMode	Antenna	Frequency[MHz]	Result [dBm/500kHz]	Limit[dBm/500kHz]	Verdict
11A	Ant1	5745	-11.38	≤30.00	PASS
		5785	-11.85	≤30.00	PASS
		5825	-11.56	≤30.00	PASS
11N20SISO	Ant1	5745	-10.81	≤30.00	PASS
		5785	-11.04	≤30.00	PASS
		5825	-11.95	≤30.00	PASS
11N40SISO	Ant1	5755	-13.68	≤30.00	PASS
		5795	-14.1	≤30.00	PASS
11AC20SISO	Ant1	5745	-10.35	≤30.00	PASS
		5785	-10.99	≤30.00	PASS
		5825	-11.95	≤30.00	PASS
11AC40SISO	Ant1	5755	-13.43	≤30.00	PASS
		5795	-13.97	≤30.00	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

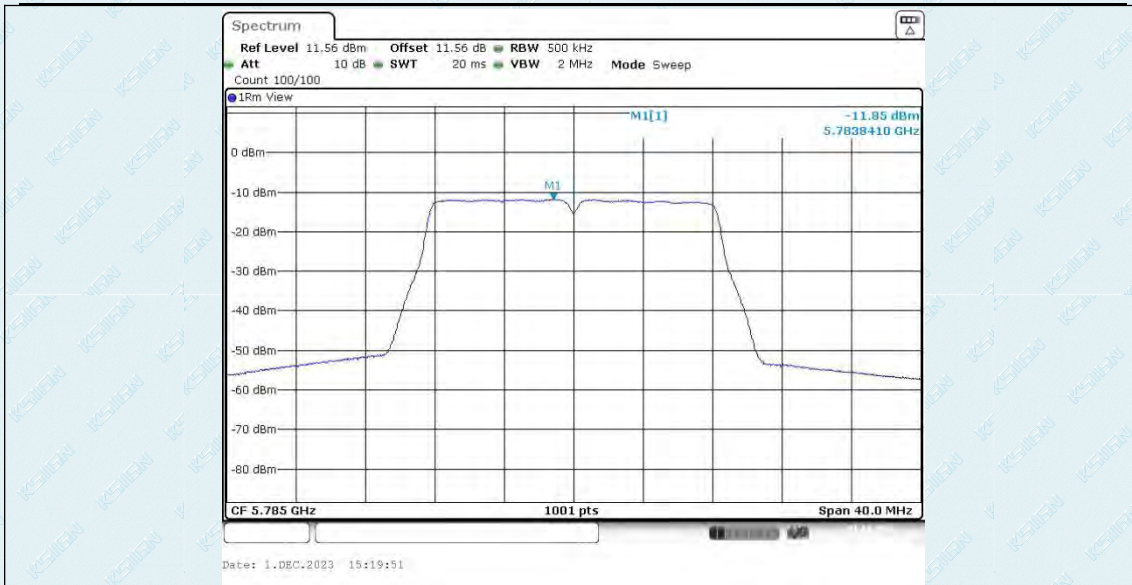




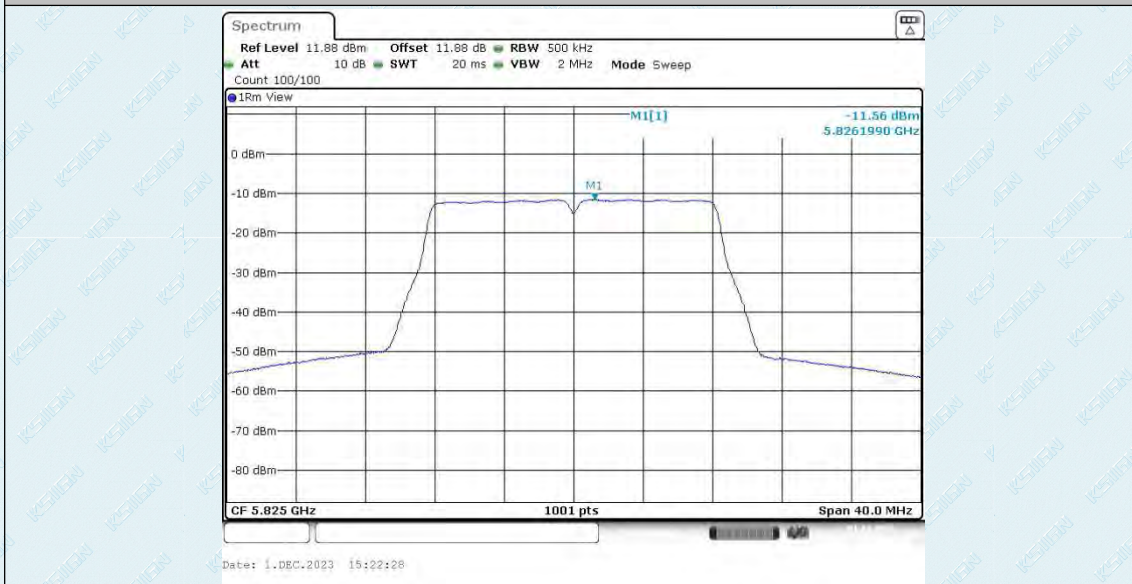
11A_Ant1_5745



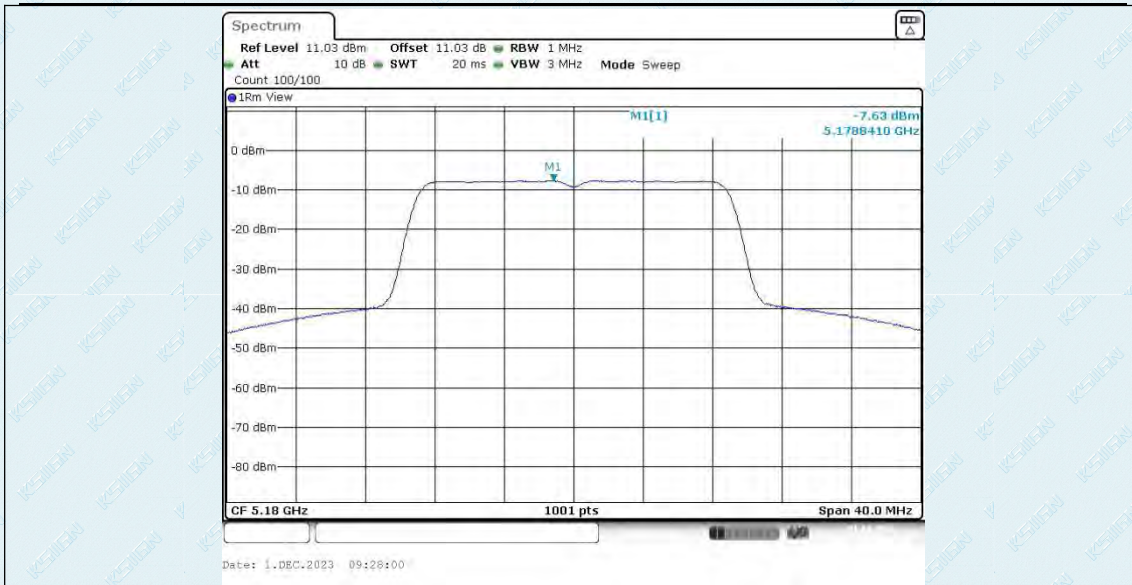
11A_Ant1_5785



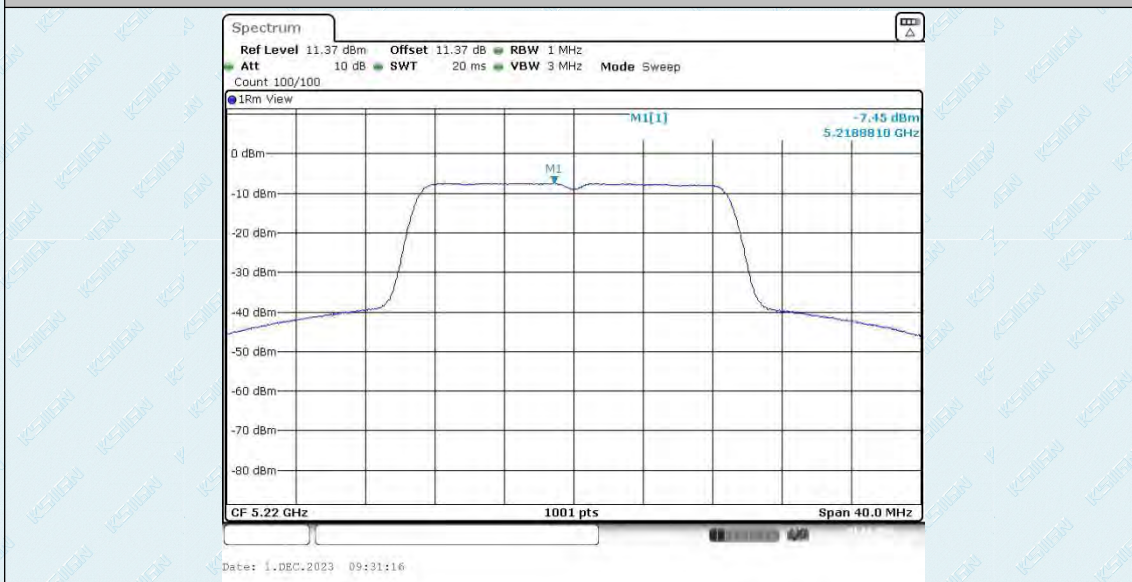
11A_Ant1_5825



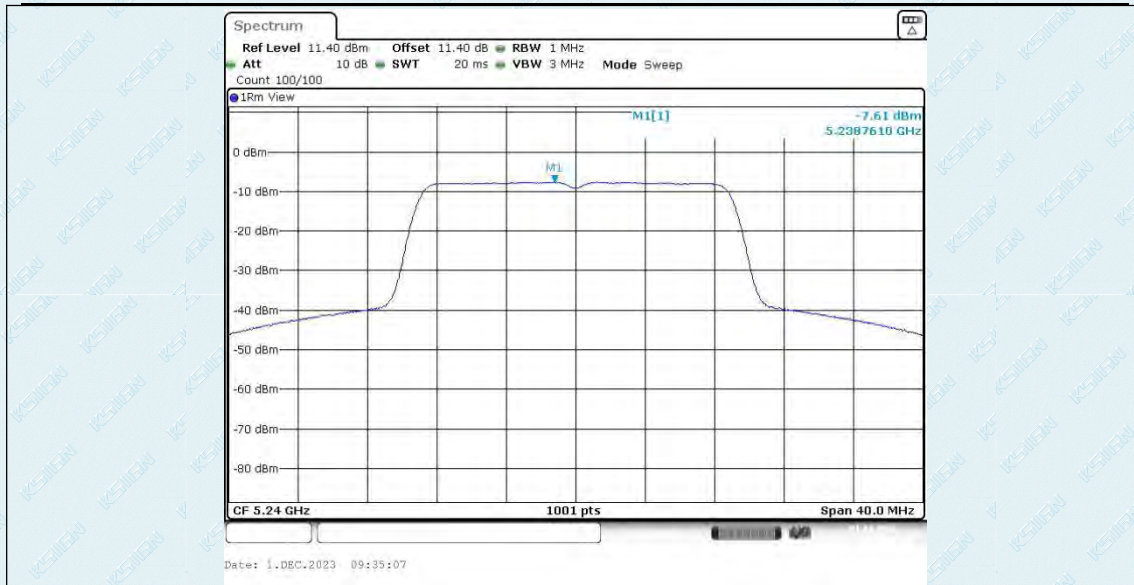
11N20SISO_Ant1_5180



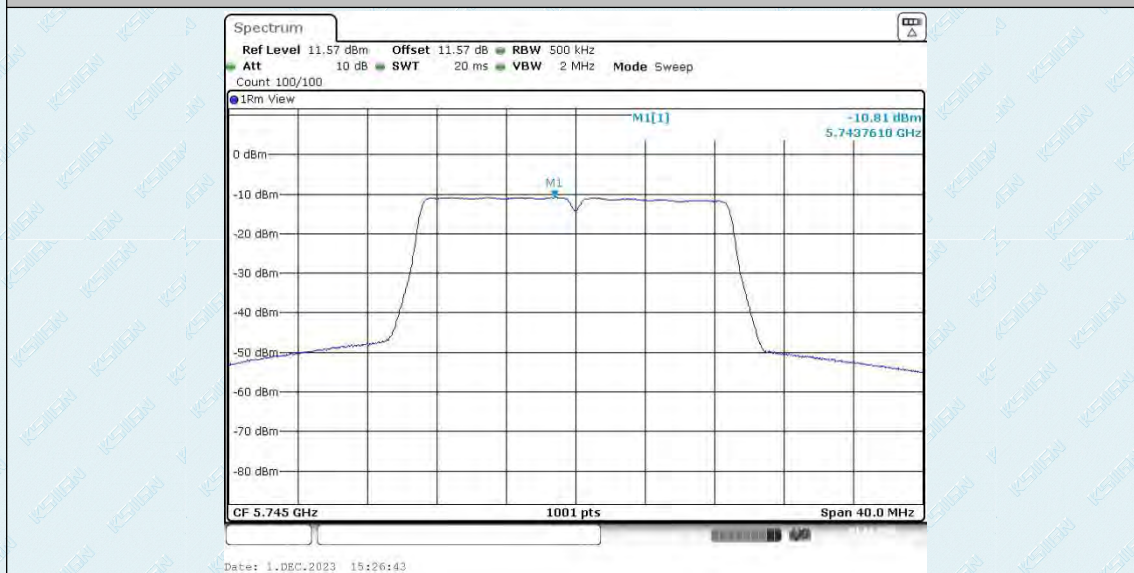
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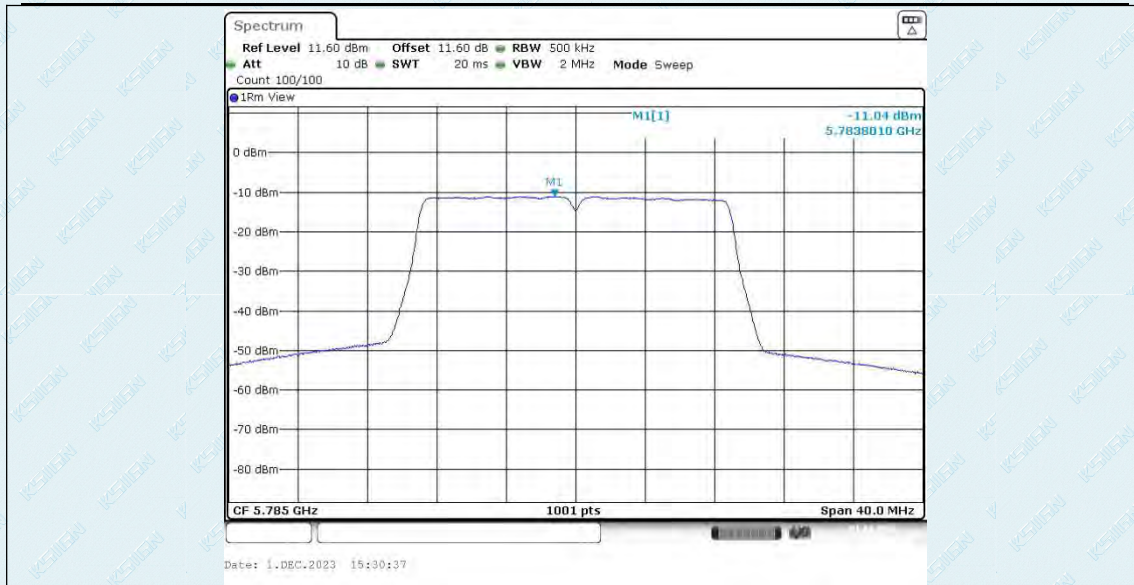
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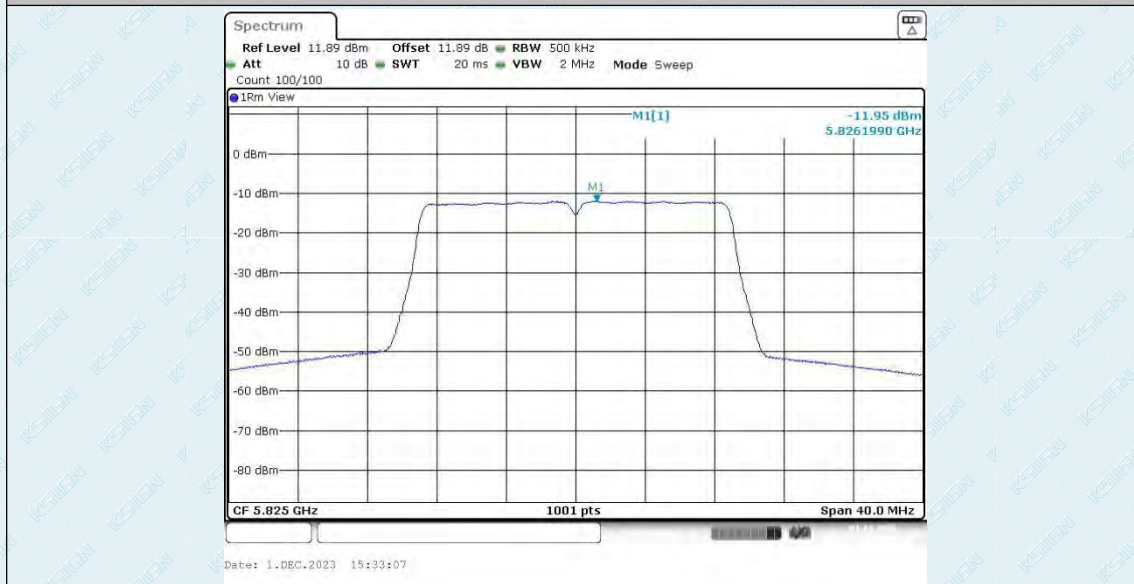
11N20SISO_Ant1_5745



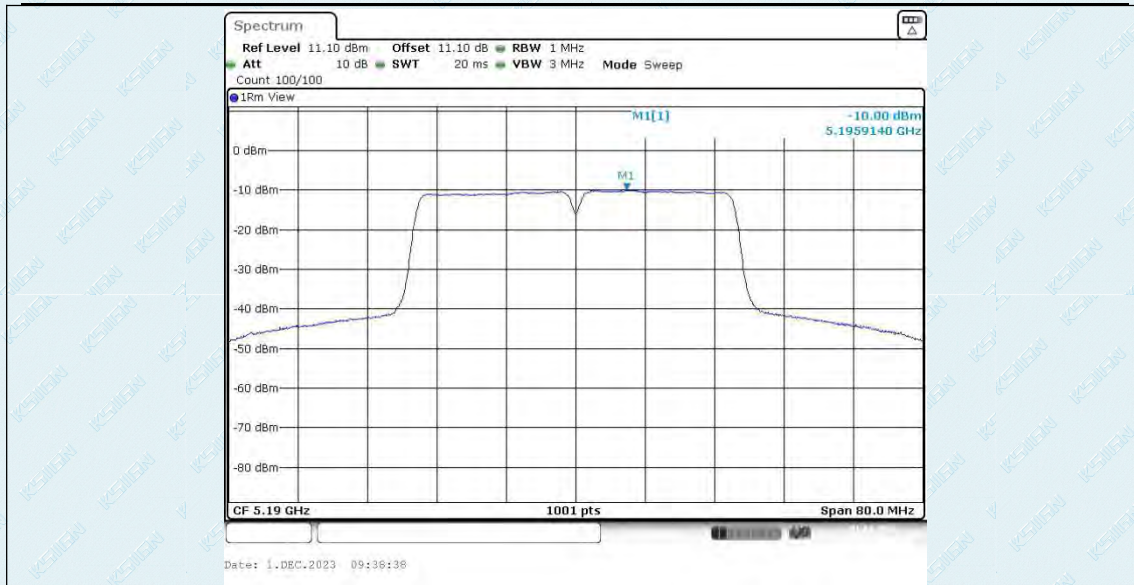
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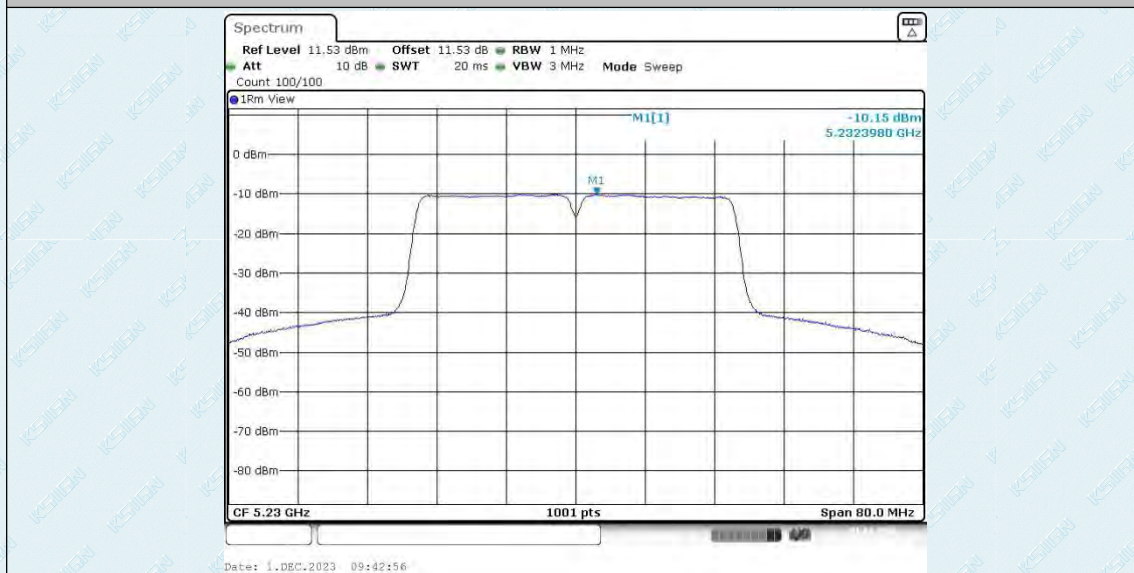
11N20SISO_Ant1_5825



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5180