

Appendix: 5G Wi-Fi Band 1 & Band 4

Contents

Appendix A1: Emission Bandwidth 3

 Test Result 3

 Test Graphs 6

Appendix A2: Occupied channel bandwidth 46

 Test Result 46

 Test Graphs 49

Appendix A3: Min emission bandwidth 89

 Test Result B4 89

 Test Graphs 91

Appendix B: Duty Cycle 111

 Test Result 111

 Test Graphs 115

Appendix C: Maximum conducted output power 189

 Test Result 189

Appendix D: Maximum power spectral density 194

 Test Result 194

 Test Graphs 199

Appendix E: Frequency Stability 273

 Test Result 273

Appendix A1: Emission Bandwidth

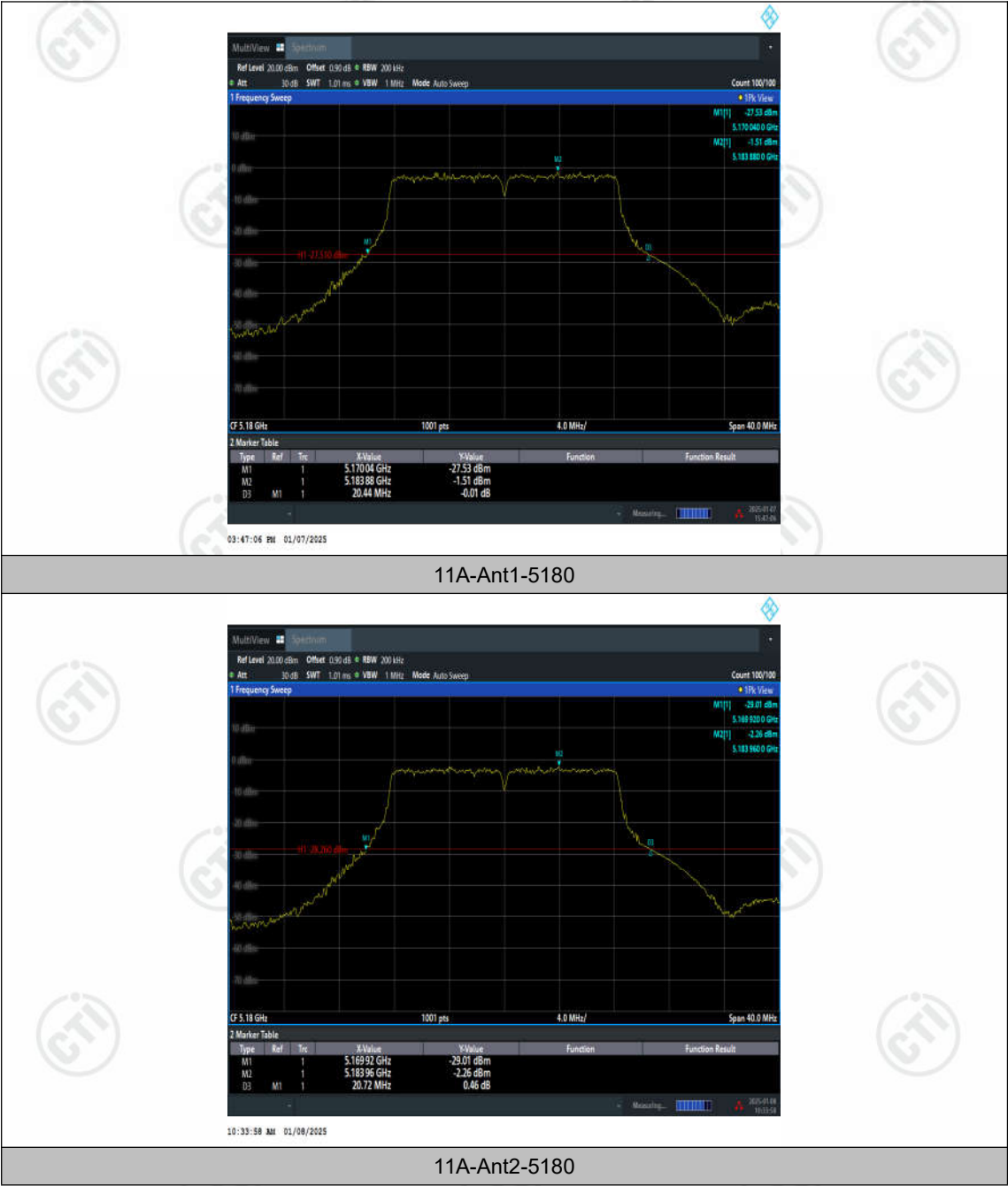
Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	20.44	5170.04	5190.48	---	---
11A	Ant2	5180	20.72	5169.92	5190.64	---	---
11A	Ant1	5220	20.76	5209.64	5230.40	---	---
11A	Ant2	5220	20.60	5209.80	5230.40	---	---
11A	Ant1	5240	20.72	5229.64	5250.36	---	---
11A	Ant2	5240	20.72	5229.68	5250.40	---	---
11A	Ant1	5745	20.32	5734.96	5755.28	---	---
11A	Ant2	5745	20.28	5734.84	5755.12	---	---
11A	Ant1	5785	20.12	5775.00	5795.12	---	---
11A	Ant2	5785	20.16	5774.96	5795.12	---	---
11A	Ant1	5825	20.68	5814.60	5835.28	---	---
11A	Ant2	5825	20.48	5814.72	5835.20	---	---
11N20SISO	Ant1	5180	21.32	5169.48	5190.80	---	---
11N20SISO	Ant2	5180	21.04	5169.52	5190.56	---	---
11N20SISO	Ant1	5220	21.40	5209.36	5230.76	---	---
11N20SISO	Ant2	5220	21.20	5209.48	5230.68	---	---
11N20SISO	Ant1	5240	21.32	5229.44	5250.76	---	---
11N20SISO	Ant2	5240	21.28	5229.48	5250.76	---	---
11N20SISO	Ant1	5745	21.36	5734.28	5755.64	---	---
11N20SISO	Ant2	5745	21.32	5734.40	5755.72	---	---
11N20SISO	Ant1	5785	21.08	5774.48	5795.56	---	---
11N20SISO	Ant2	5785	21.20	5774.36	5795.56	---	---
11N20SISO	Ant1	5825	21.40	5814.36	5835.76	---	---
11N20SISO	Ant2	5825	21.04	5814.48	5835.52	---	---
11N40SISO	Ant1	5190	42.16	5169.44	5211.60	---	---
11N40SISO	Ant2	5190	42.64	5168.96	5211.60	---	---
11N40SISO	Ant1	5230	42.08	5209.36	5251.44	---	---
11N40SISO	Ant2	5230	42.08	5209.36	5251.44	---	---
11N40SISO	Ant1	5755	41.76	5734.20	5775.96	---	---
11N40SISO	Ant2	5755	41.60	5734.36	5775.96	---	---
11N40SISO	Ant1	5795	42.08	5774.28	5816.36	---	---
11N40SISO	Ant2	5795	41.68	5774.28	5815.96	---	---
11AC20SISO	Ant1	5180	21.20	5169.32	5190.52	---	---
11AC20SISO	Ant2	5180	21.36	5169.32	5190.68	---	---
11AC20SISO	Ant1	5220	21.36	5209.36	5230.72	---	---
11AC20SISO	Ant2	5220	21.24	5209.48	5230.72	---	---

11AC20SISO	Ant1	5240	21.44	5229.32	5250.76	---	---
11AC20SISO	Ant2	5240	20.96	5229.56	5250.52	---	---
11AC20SISO	Ant1	5745	21.12	5734.40	5755.52	---	---
11AC20SISO	Ant2	5745	21.16	5734.44	5755.60	---	---
11AC20SISO	Ant1	5785	21.52	5774.20	5795.72	---	---
11AC20SISO	Ant2	5785	21.16	5774.40	5795.56	---	---
11AC20SISO	Ant1	5825	21.36	5814.24	5835.60	---	---
11AC20SISO	Ant2	5825	21.32	5814.28	5835.60	---	---
11AC40SISO	Ant1	5190	42.64	5169.28	5211.92	---	---
11AC40SISO	Ant2	5190	42.40	5169.28	5211.68	---	---
11AC40SISO	Ant1	5230	41.92	5209.36	5251.28	---	---
11AC40SISO	Ant2	5230	42.40	5209.20	5251.60	---	---
11AC40SISO	Ant1	5755	41.20	5734.44	5775.64	---	---
11AC40SISO	Ant2	5755	41.44	5734.44	5775.88	---	---
11AC40SISO	Ant1	5795	41.44	5774.28	5815.72	---	---
11AC40SISO	Ant2	5795	41.28	5774.44	5815.72	---	---
11AC80SISO	Ant1	5210	84.16	5168.24	5252.40	---	---
11AC80SISO	Ant2	5210	84.96	5168.08	5253.04	---	---
11AC80SISO	Ant1	5775	84.32	5733.08	5817.40	---	---
11AC80SISO	Ant2	5775	83.52	5733.40	5816.92	---	---
11AX20SISO	Ant1	5180	21.76	5169.32	5191.08	---	---
11AX20SISO	Ant2	5180	21.88	5169.00	5190.88	---	---
11AX20SISO	Ant1	5220	21.60	5209.16	5230.76	---	---
11AX20SISO	Ant2	5220	22.04	5208.96	5231.00	---	---
11AX20SISO	Ant1	5240	21.44	5229.32	5250.76	---	---
11AX20SISO	Ant2	5240	21.68	5229.24	5250.92	---	---
11AX20SISO	Ant1	5745	21.96	5734.12	5756.08	---	---
11AX20SISO	Ant2	5745	21.88	5734.00	5755.88	---	---
11AX20SISO	Ant1	5785	21.84	5774.04	5795.88	---	---
11AX20SISO	Ant2	5785	21.96	5774.04	5796.00	---	---
11AX20SISO	Ant1	5825	21.96	5813.88	5835.84	---	---
11AX20SISO	Ant2	5825	21.84	5813.92	5835.76	---	---
11AX40SISO	Ant1	5190	42.56	5168.88	5211.44	---	---
11AX40SISO	Ant2	5190	43.04	5168.40	5211.44	---	---
11AX40SISO	Ant1	5230	42.72	5208.72	5251.44	---	---
11AX40SISO	Ant2	5230	42.56	5208.96	5251.52	---	---
11AX40SISO	Ant1	5755	42.08	5733.96	5776.04	---	---
11AX40SISO	Ant2	5755	42.32	5733.96	5776.28	---	---
11AX40SISO	Ant1	5795	42.24	5773.88	5816.12	---	---
11AX40SISO	Ant2	5795	42.32	5773.80	5816.12	---	---
11AX80SISO	Ant1	5210	85.12	5167.76	5252.88	---	---

11AX80SISO	Ant2	5210	84.48	5168.08	5252.56	---	---
11AX80SISO	Ant1	5775	84.80	5732.76	5817.56	---	---
11AX80SISO	Ant2	5775	83.84	5733.08	5816.92	---	---

Test Graphs





11A-Ant1-5220



11A-Ant2-5220



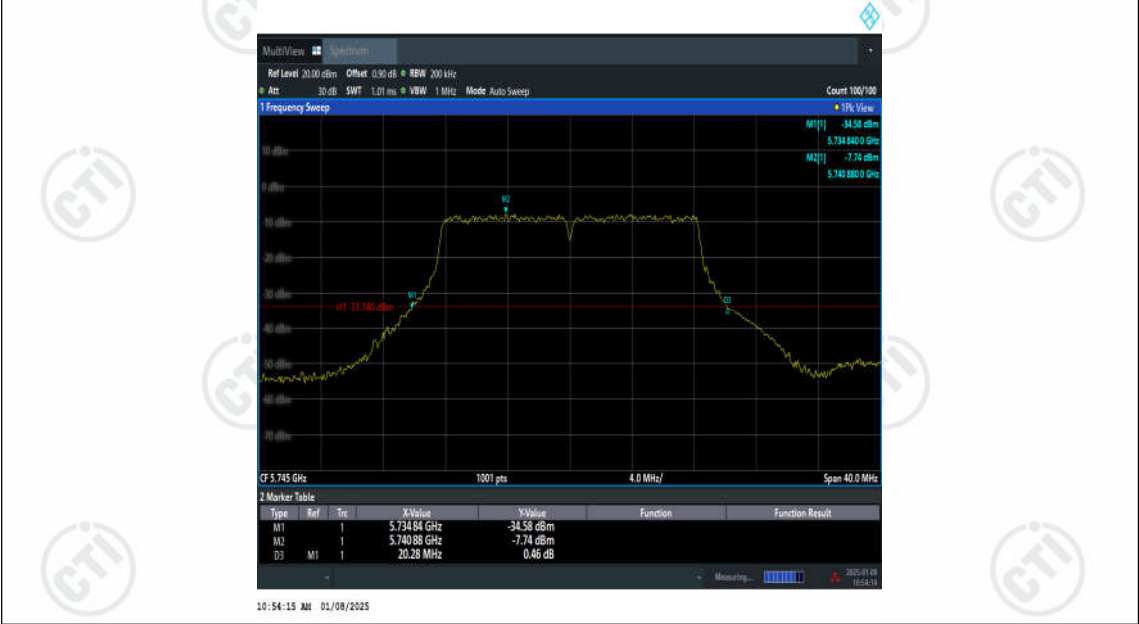
11A-Ant1-5240



11A-Ant2-5240



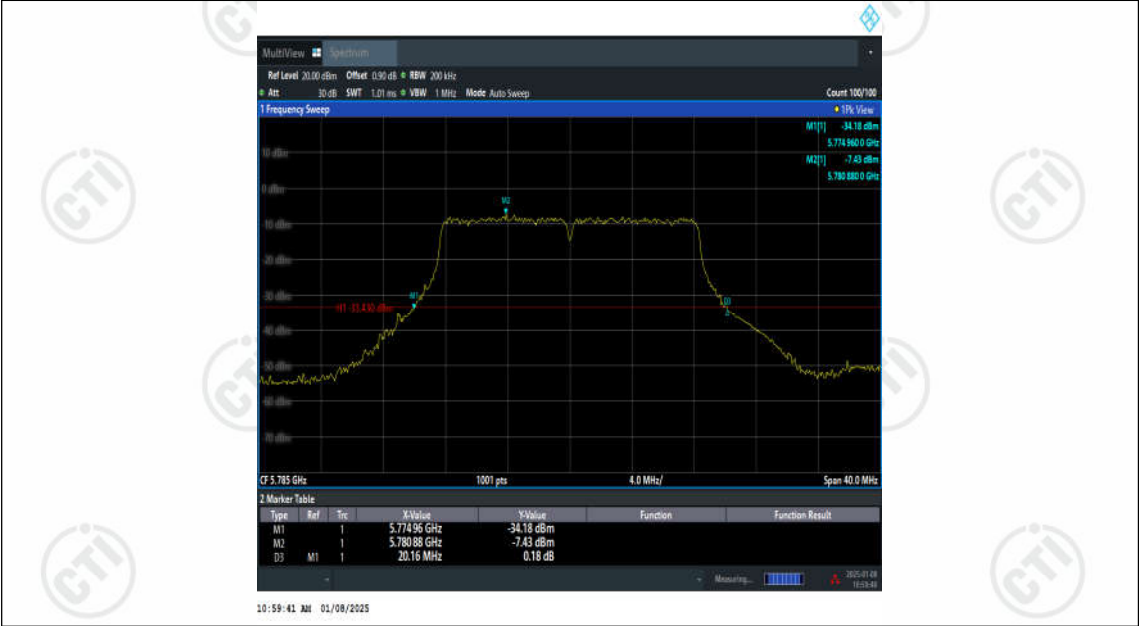
11A-Ant1-5745



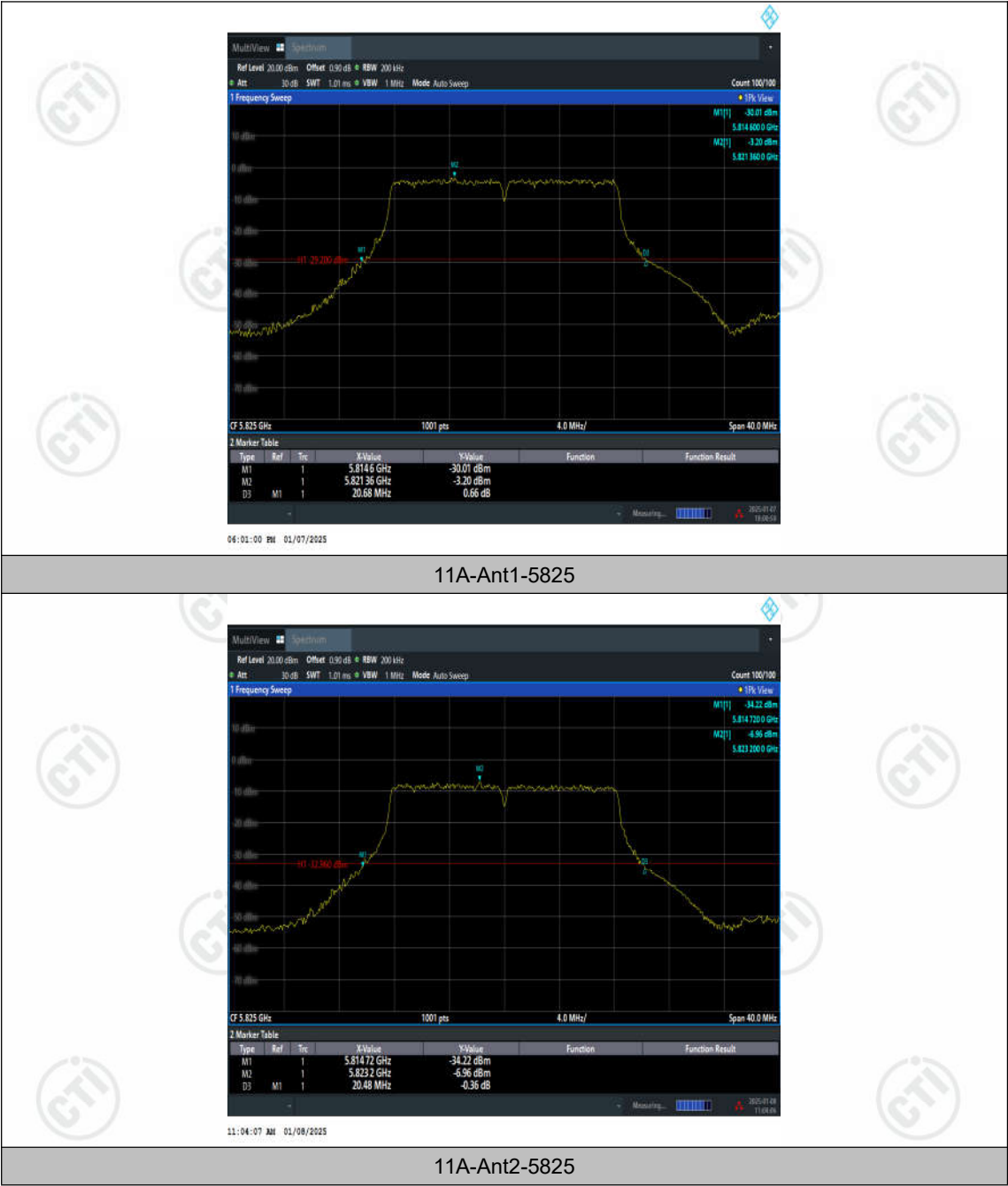
11A-Ant2-5745

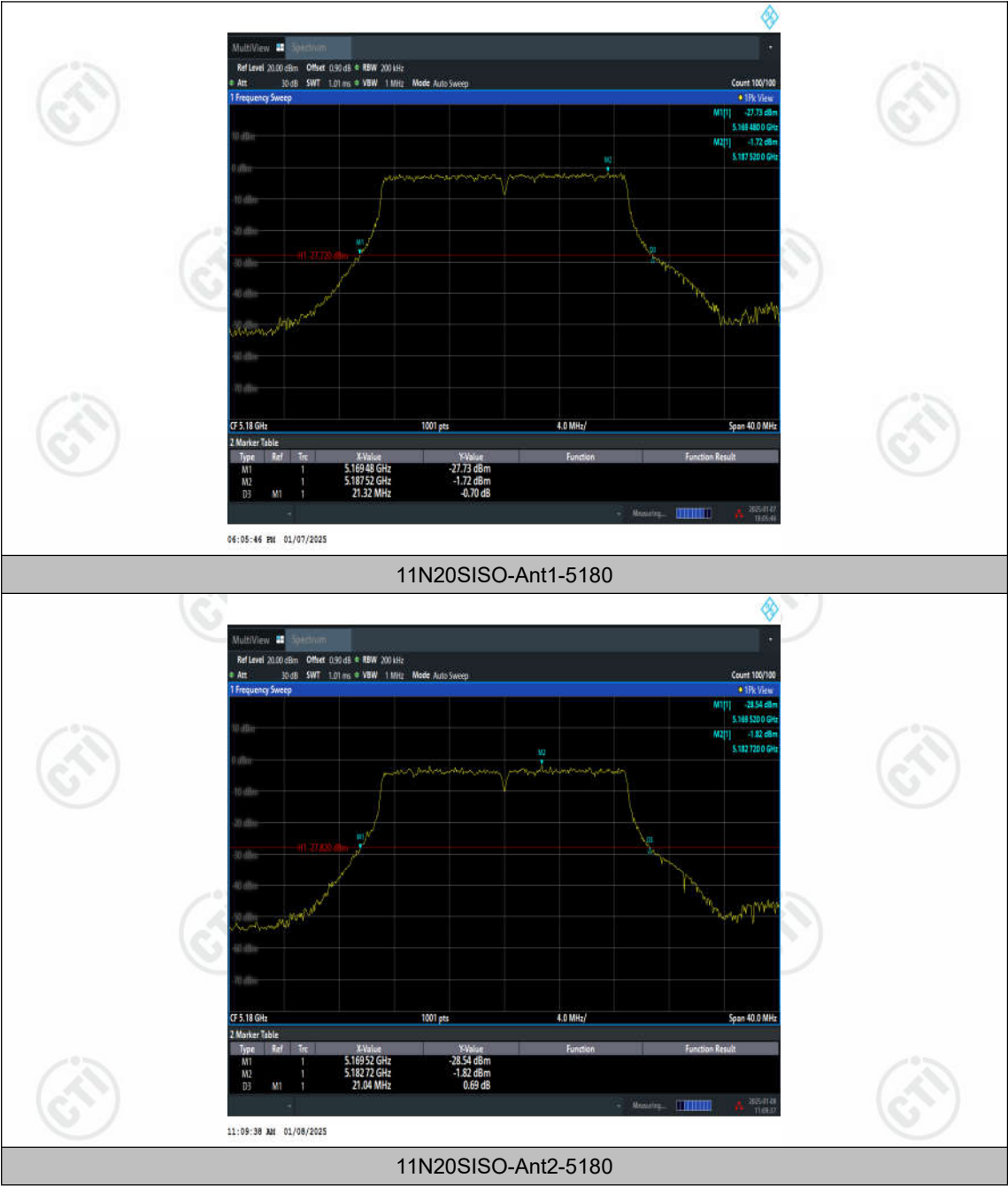


11A-Ant1-5785



11A-Ant2-5785



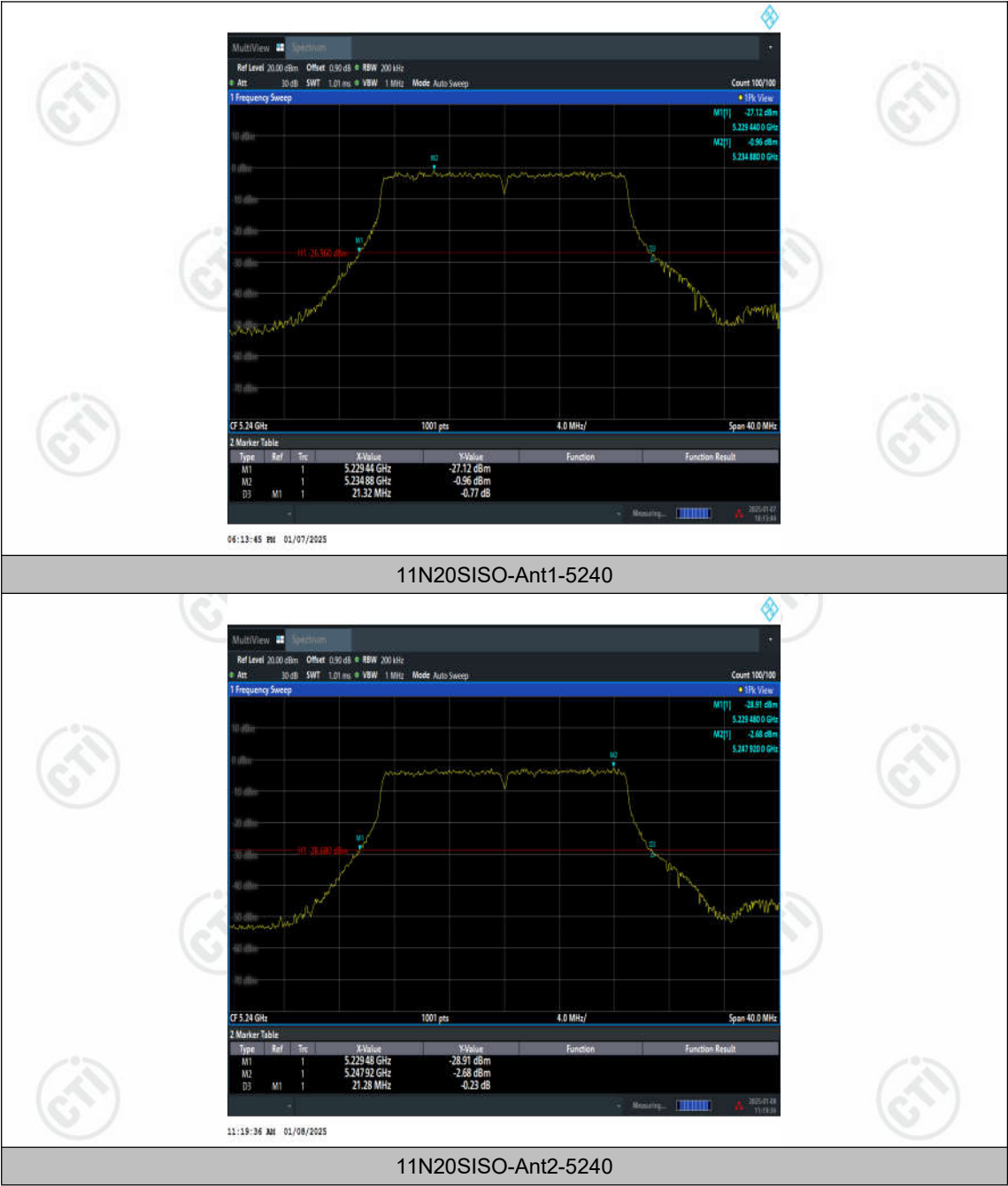


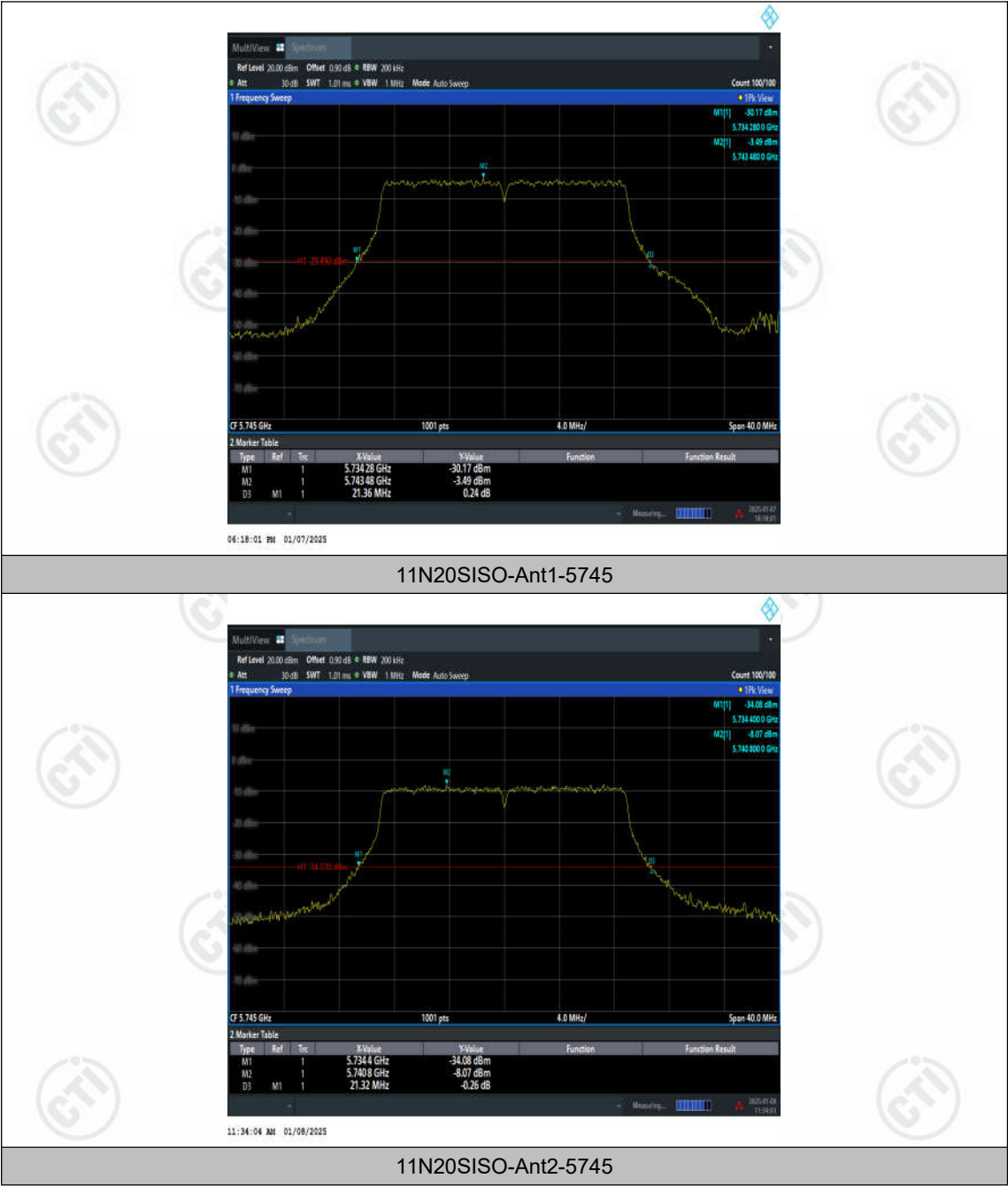


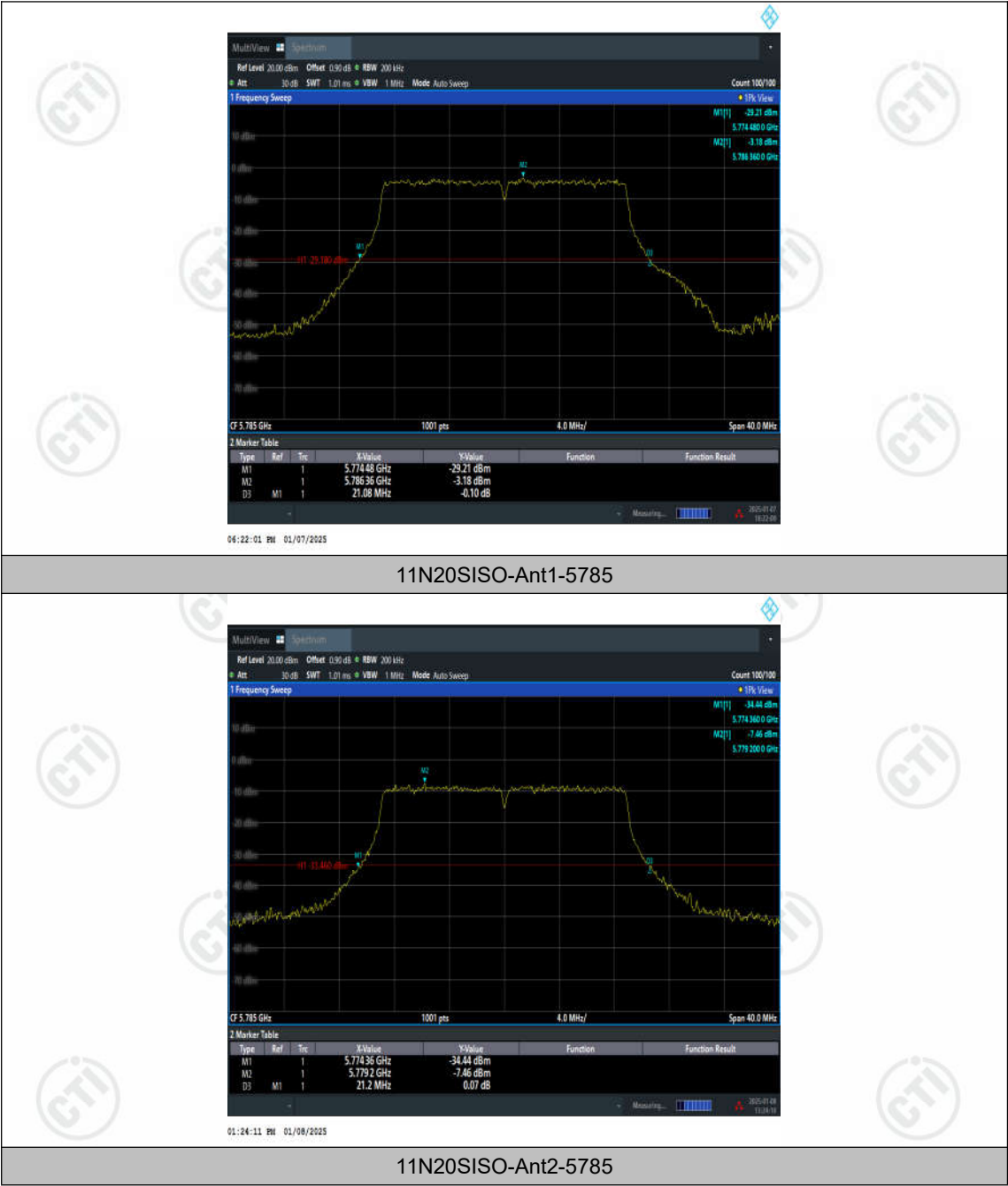
11N20SISO-Ant1-5220

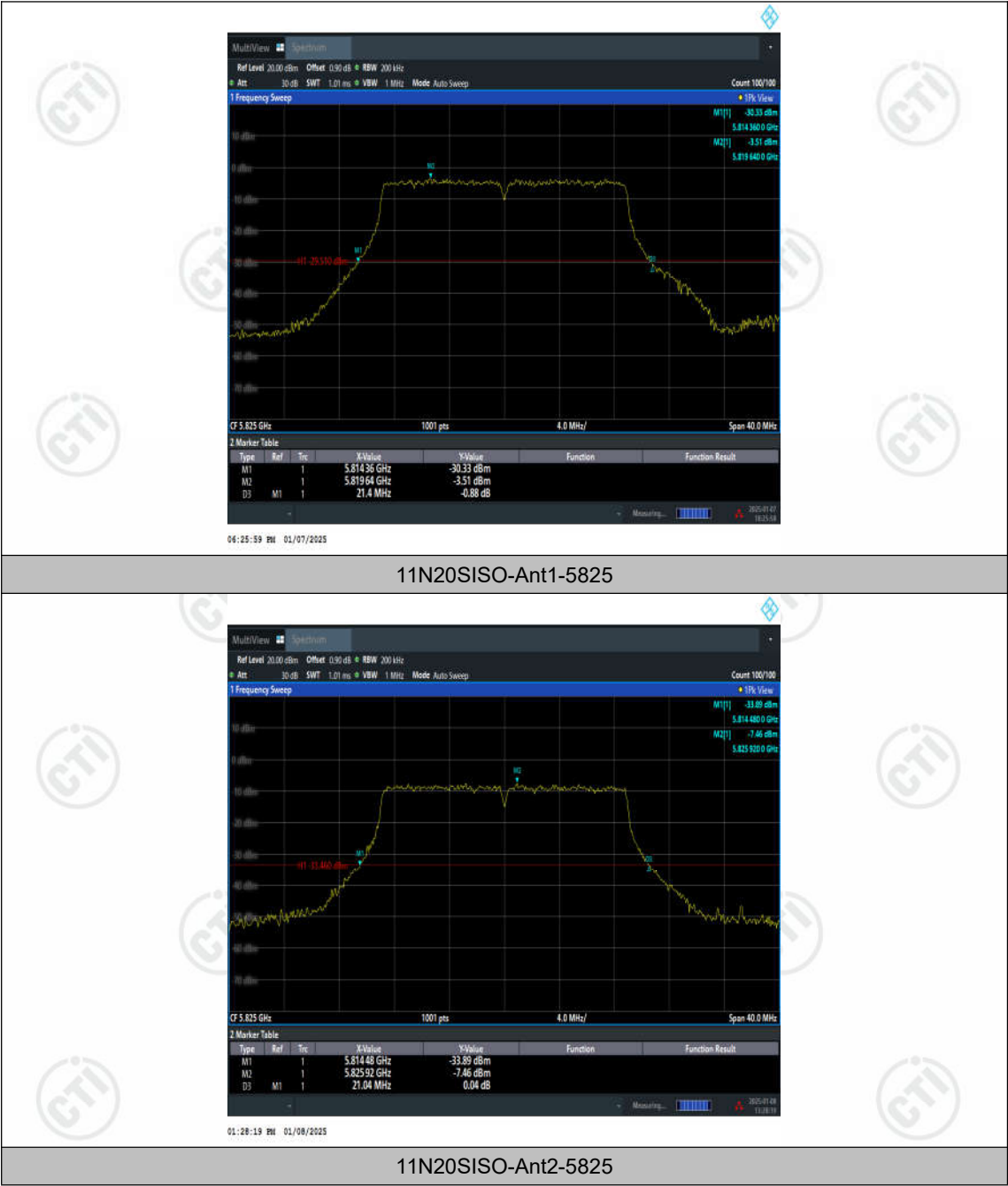


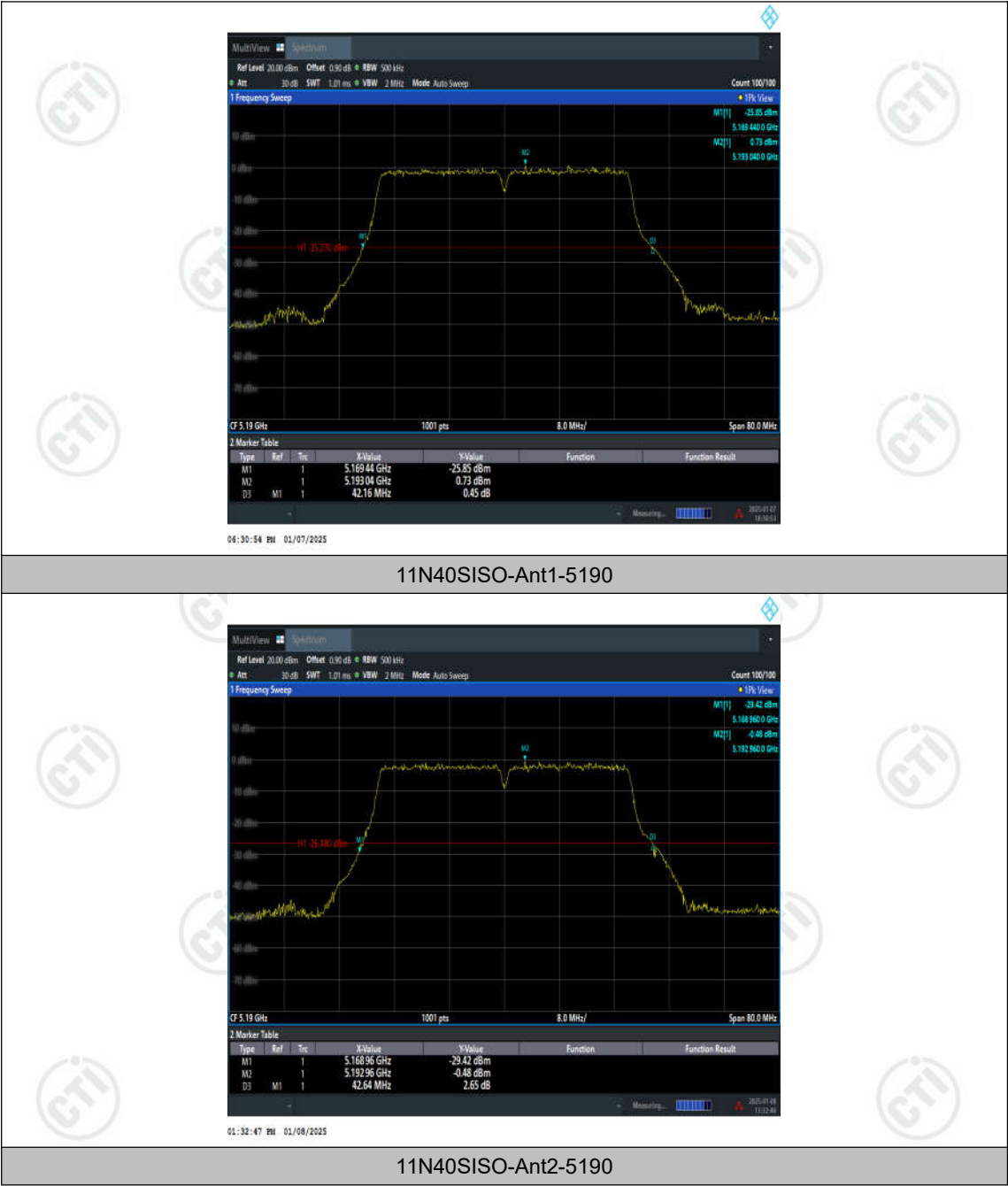
11N20SISO-Ant2-5220

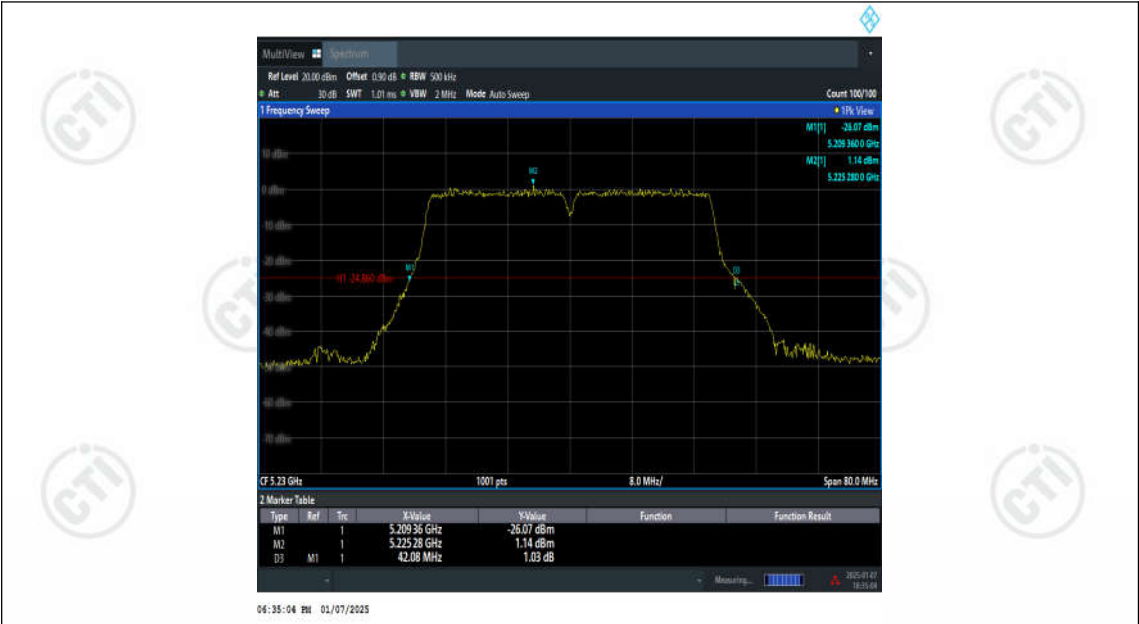




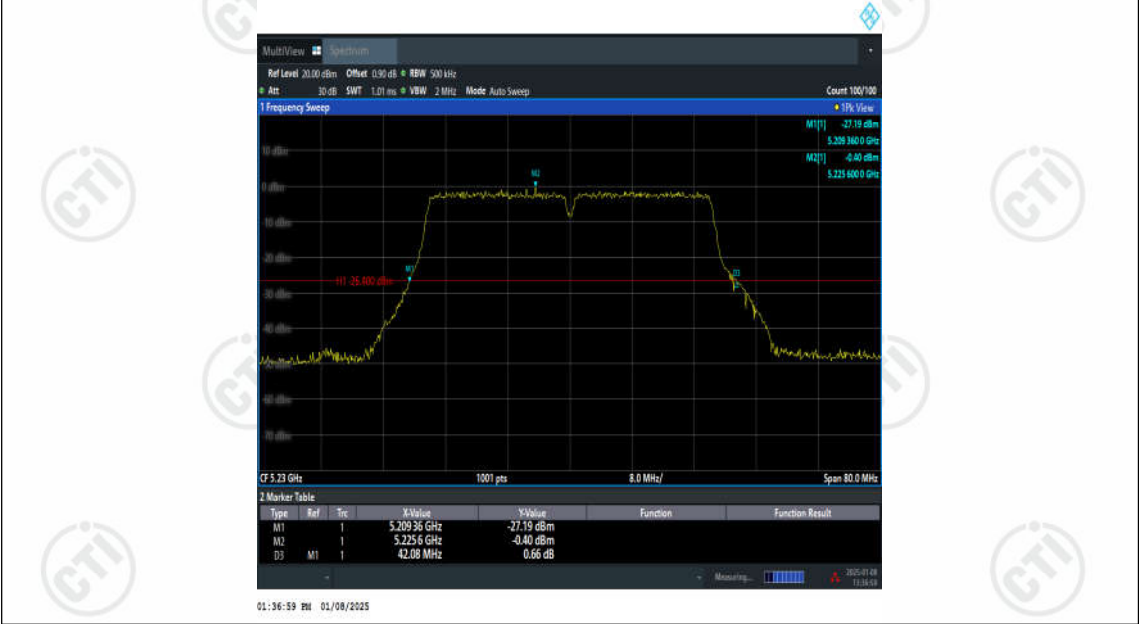




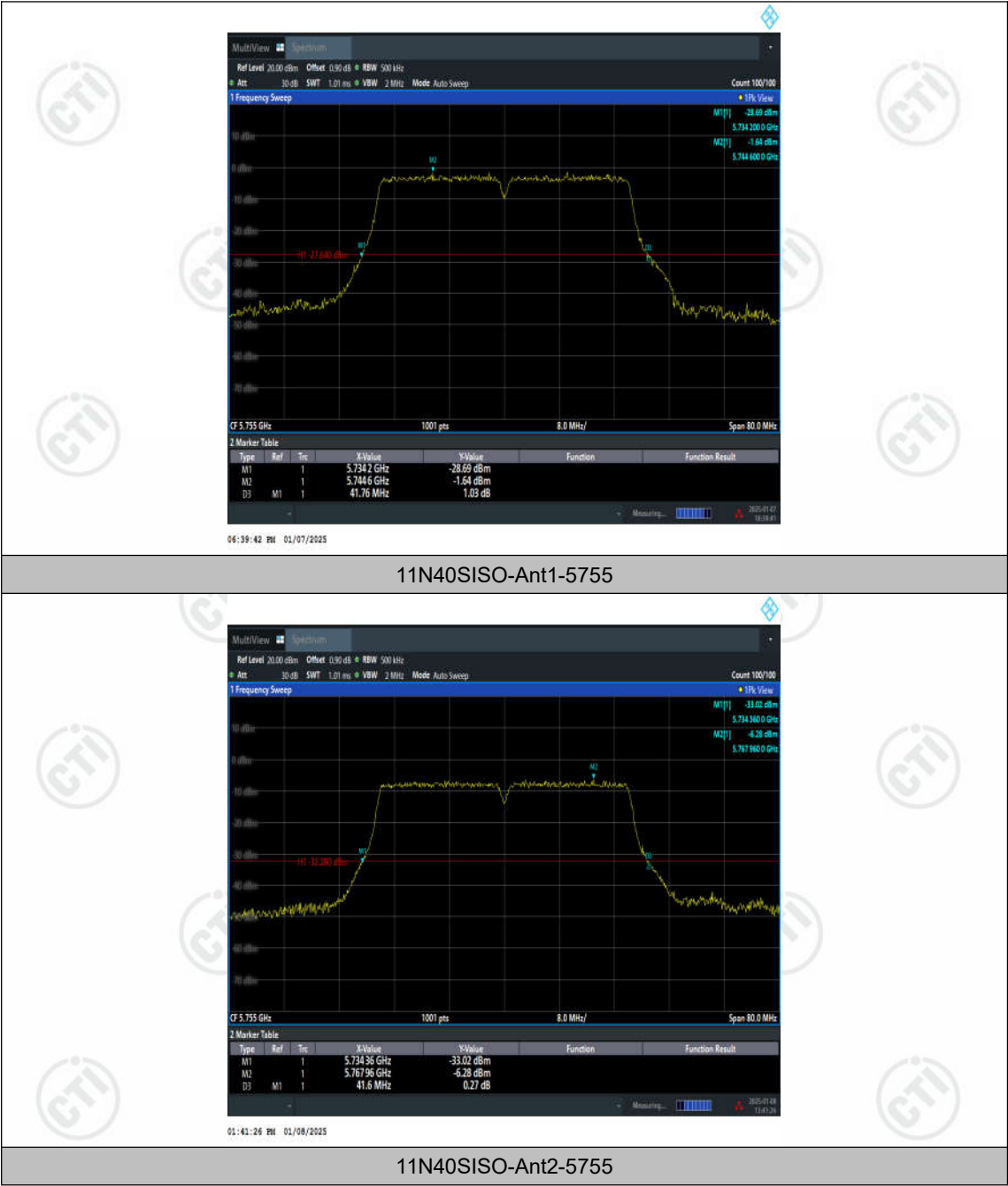


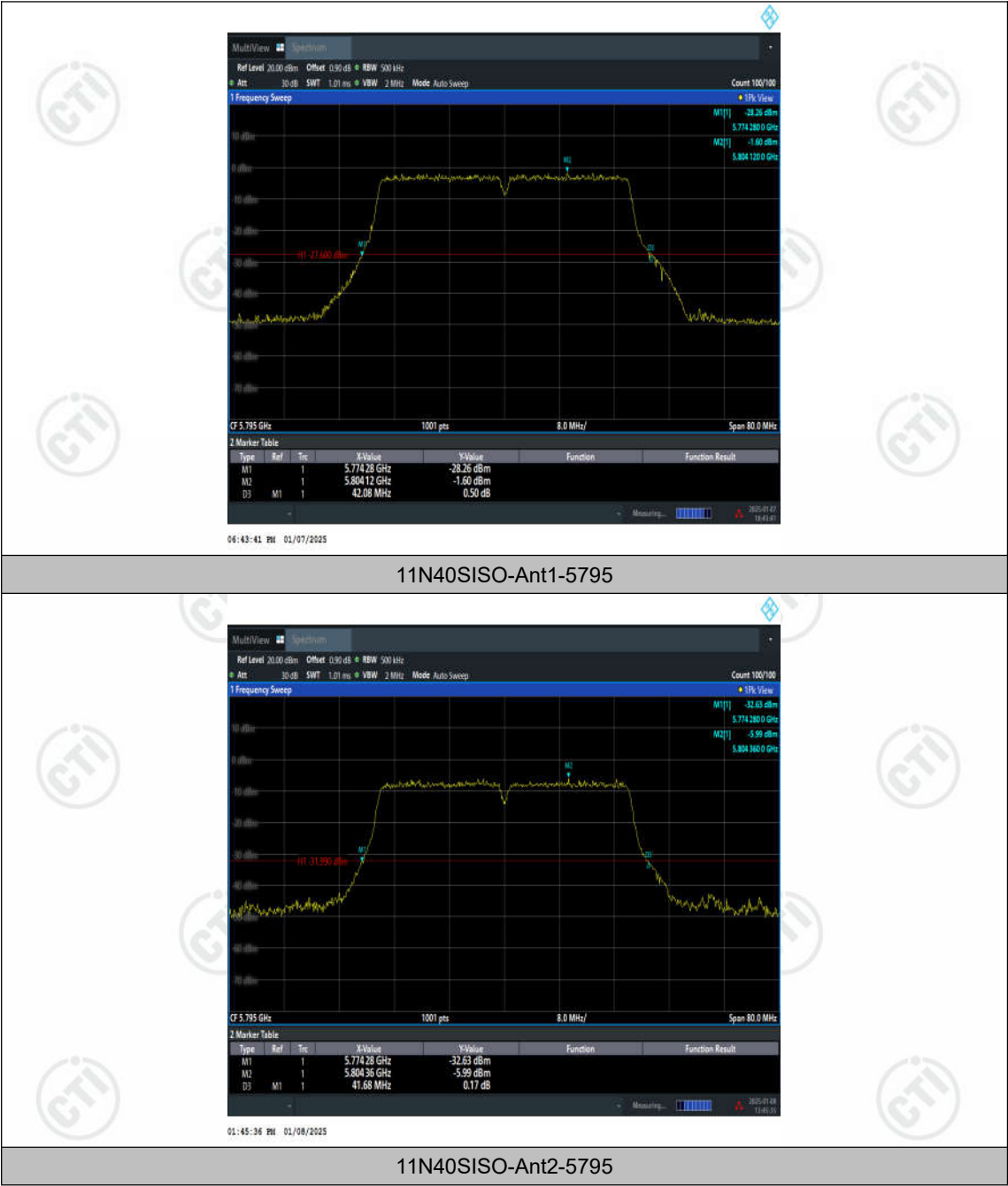


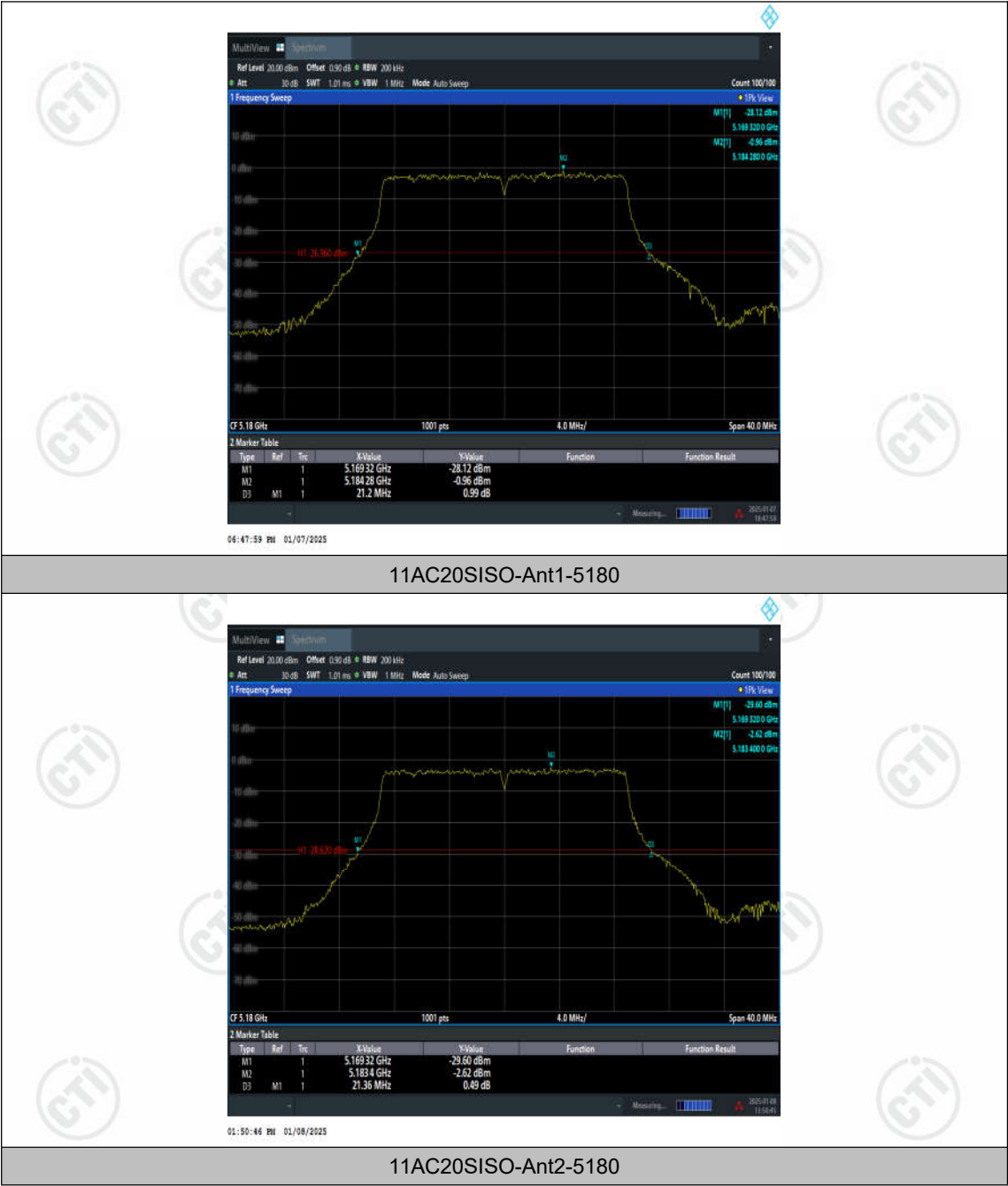
11N40SISO-Ant1-5230



11N40SISO-Ant2-5230









11AC20SISO-Ant1-5220



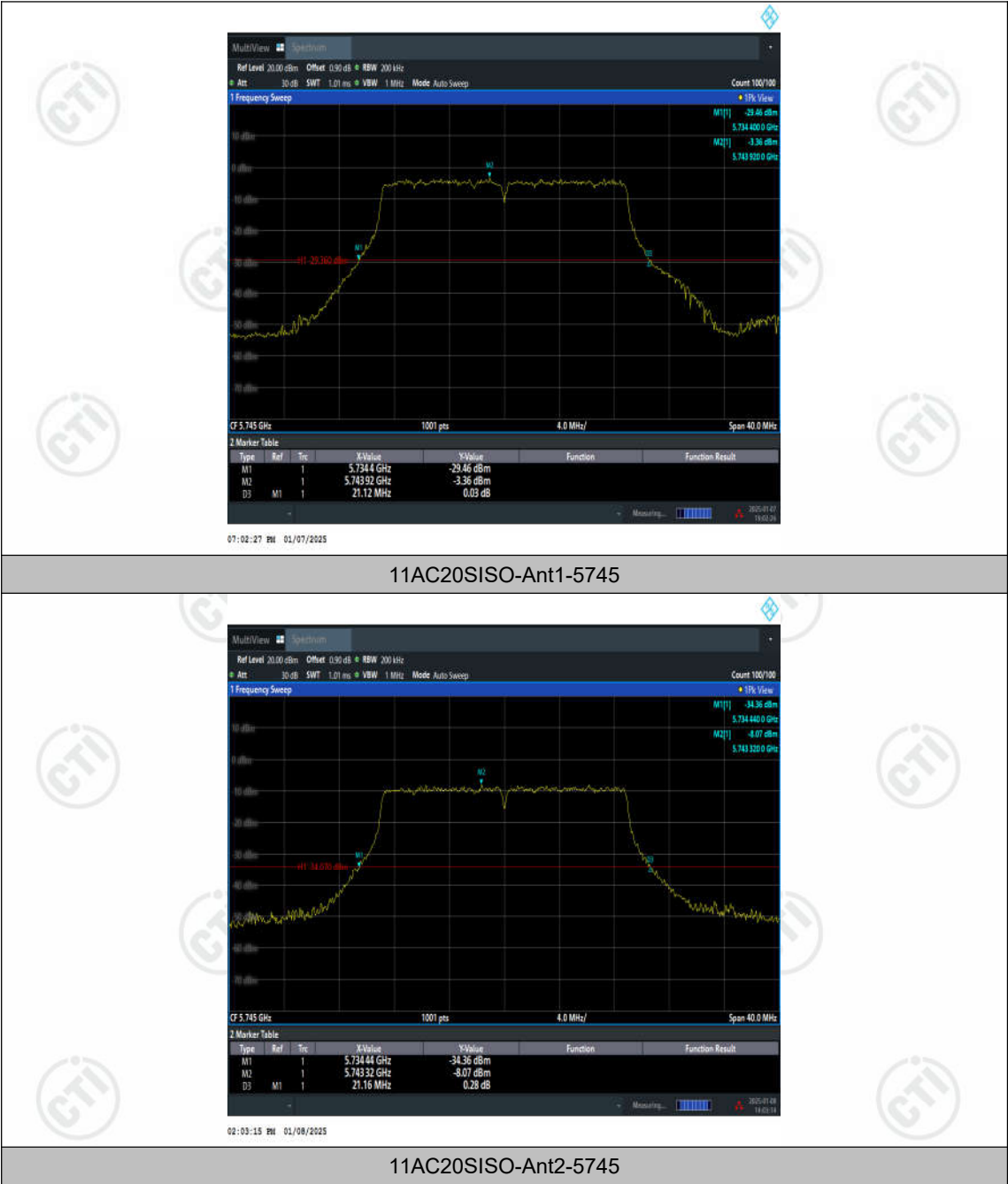
11AC20SISO-Ant2-5220



11AC20SISO-Ant1-5240

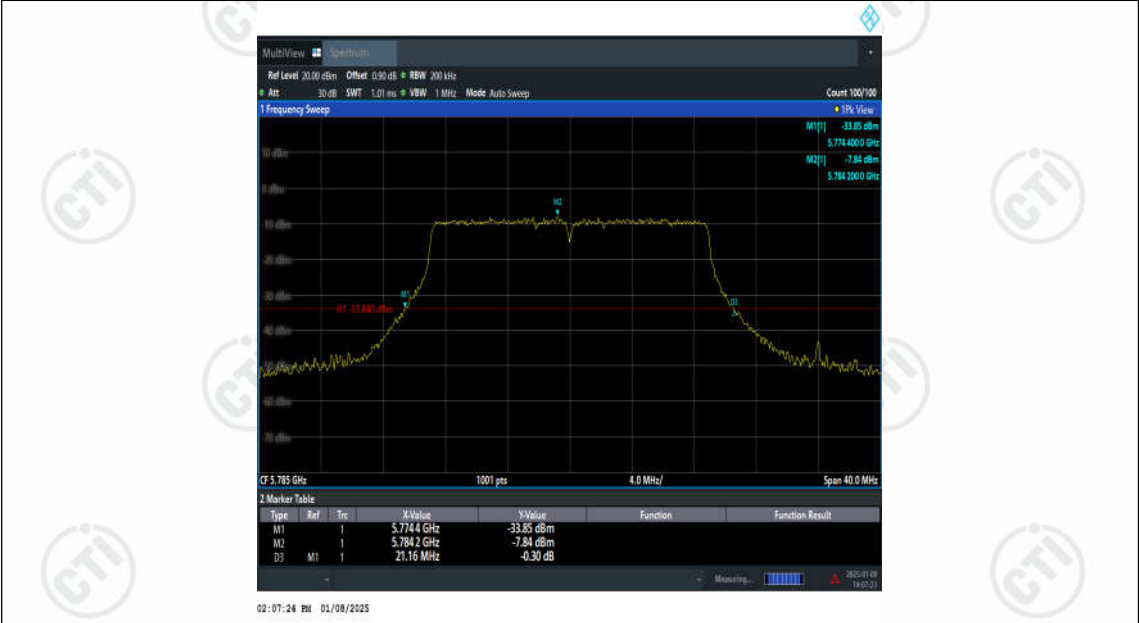


11AC20SISO-Ant2-5240

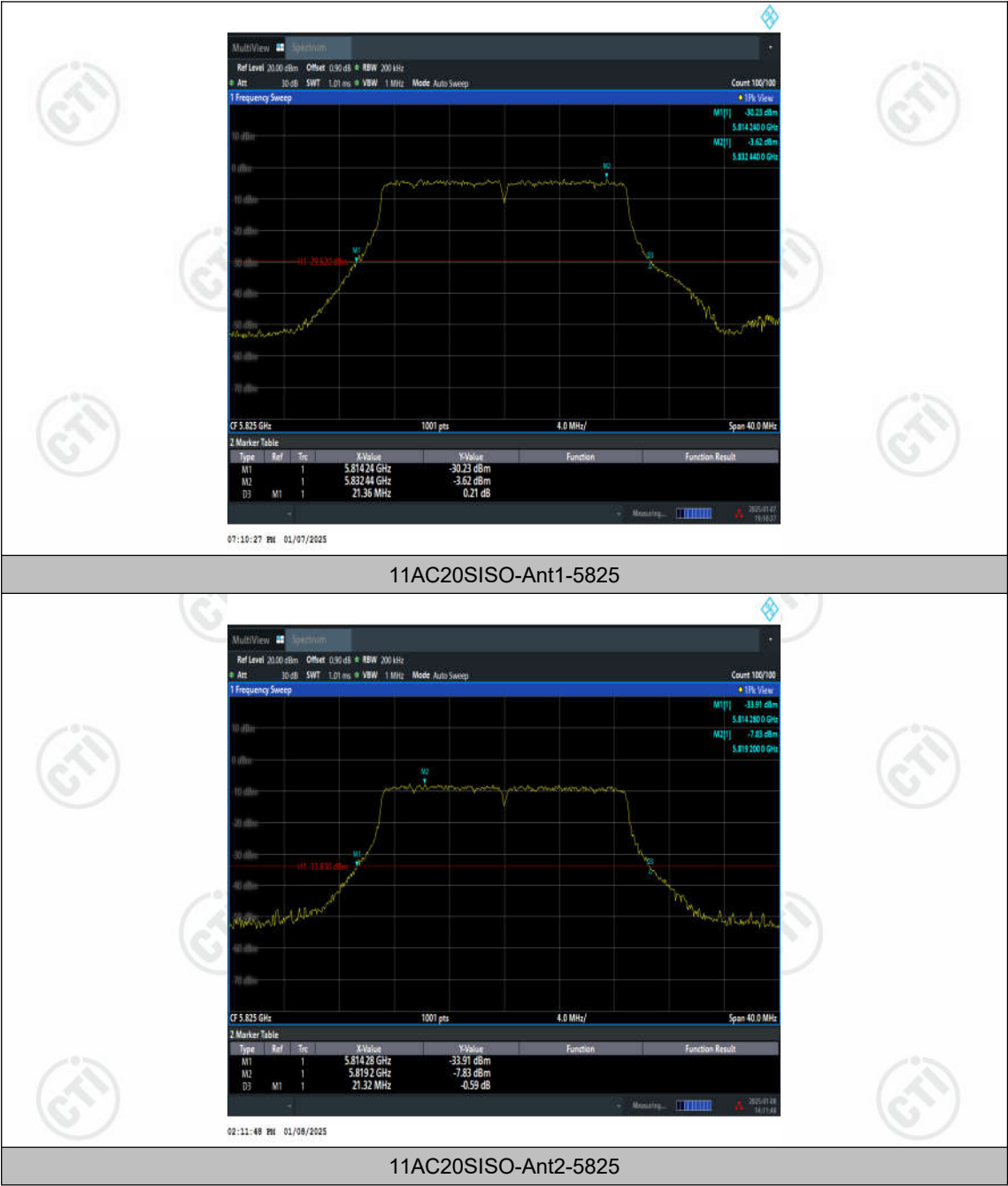


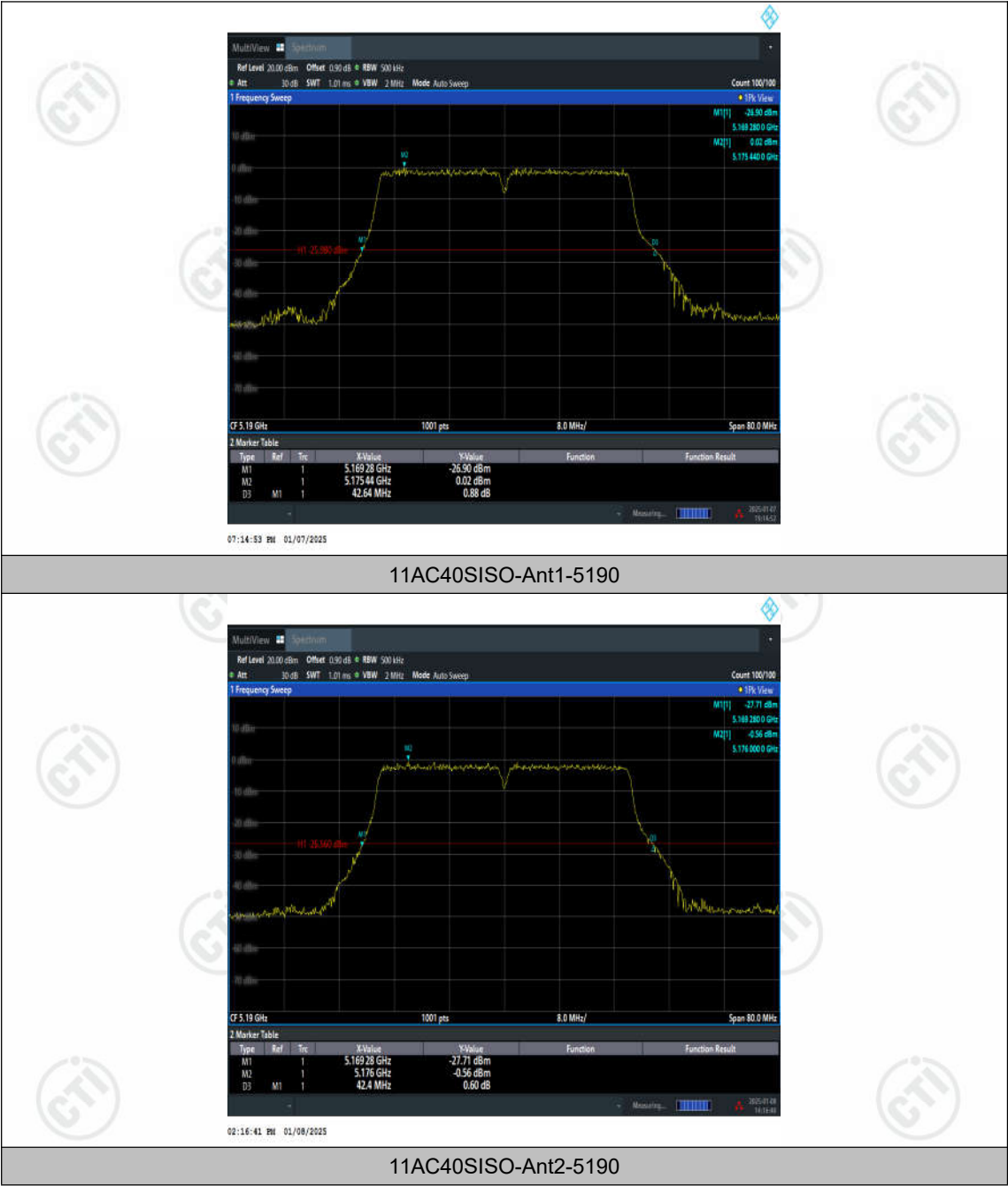


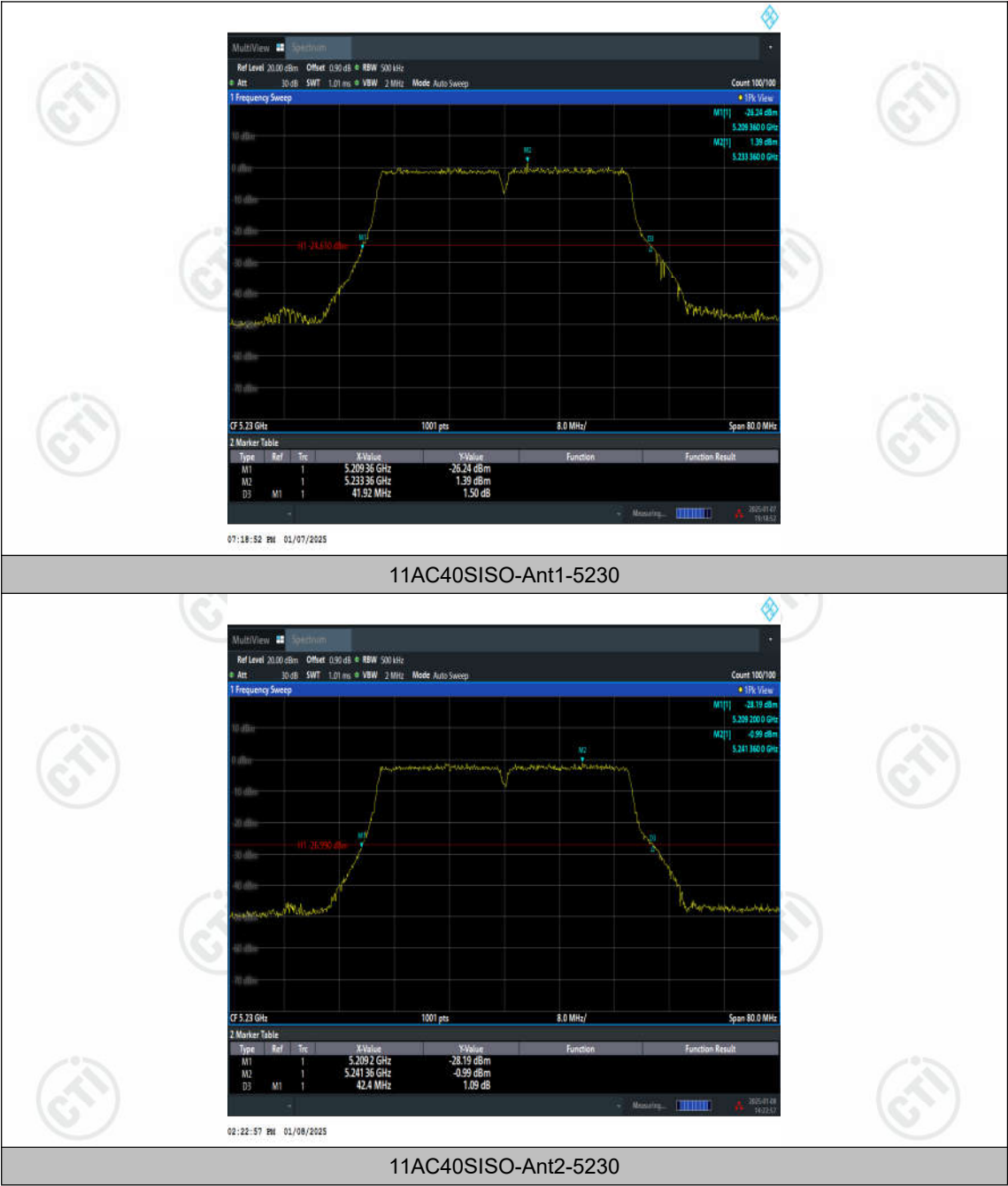
11AC20SISO-Ant1-5785

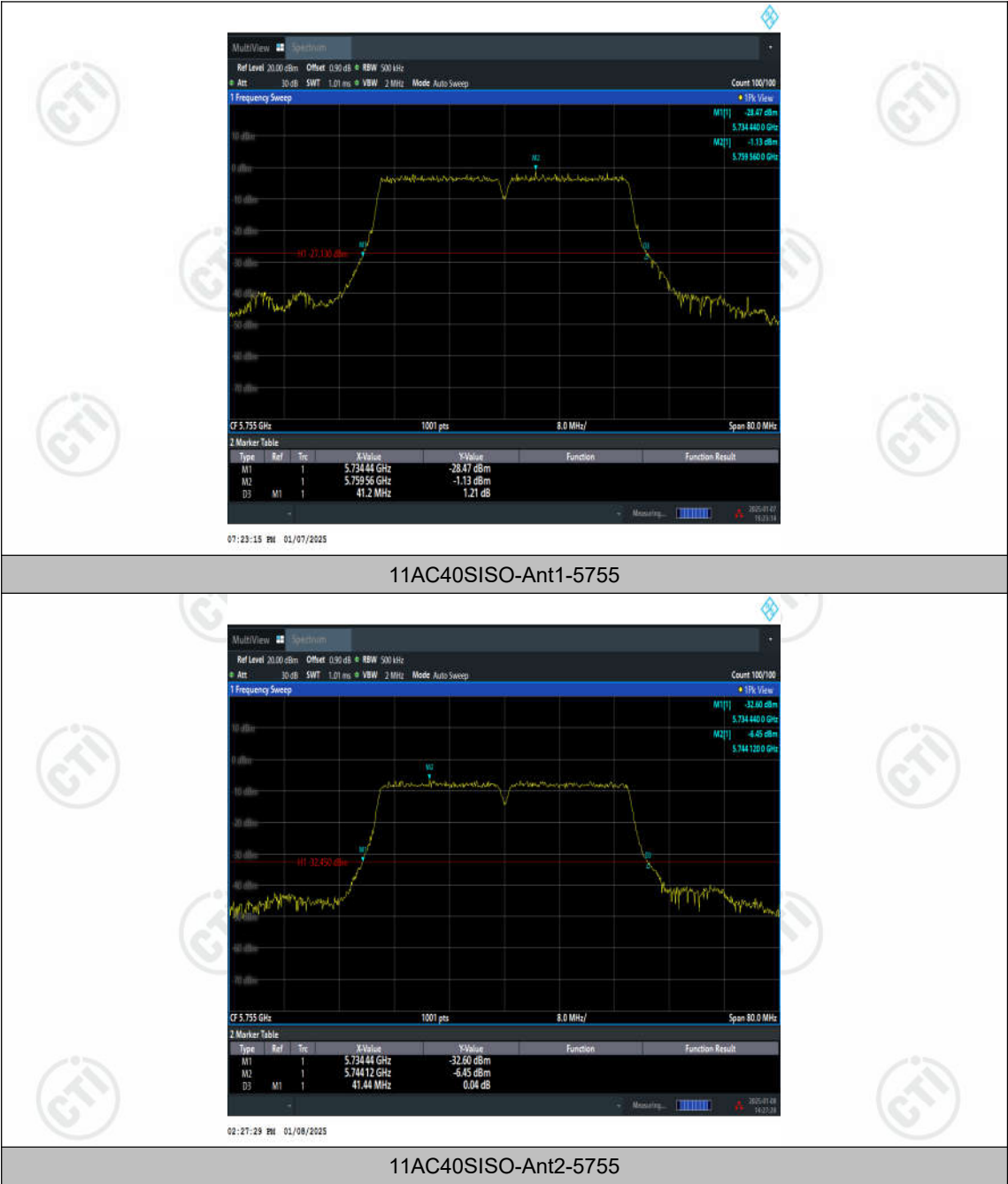


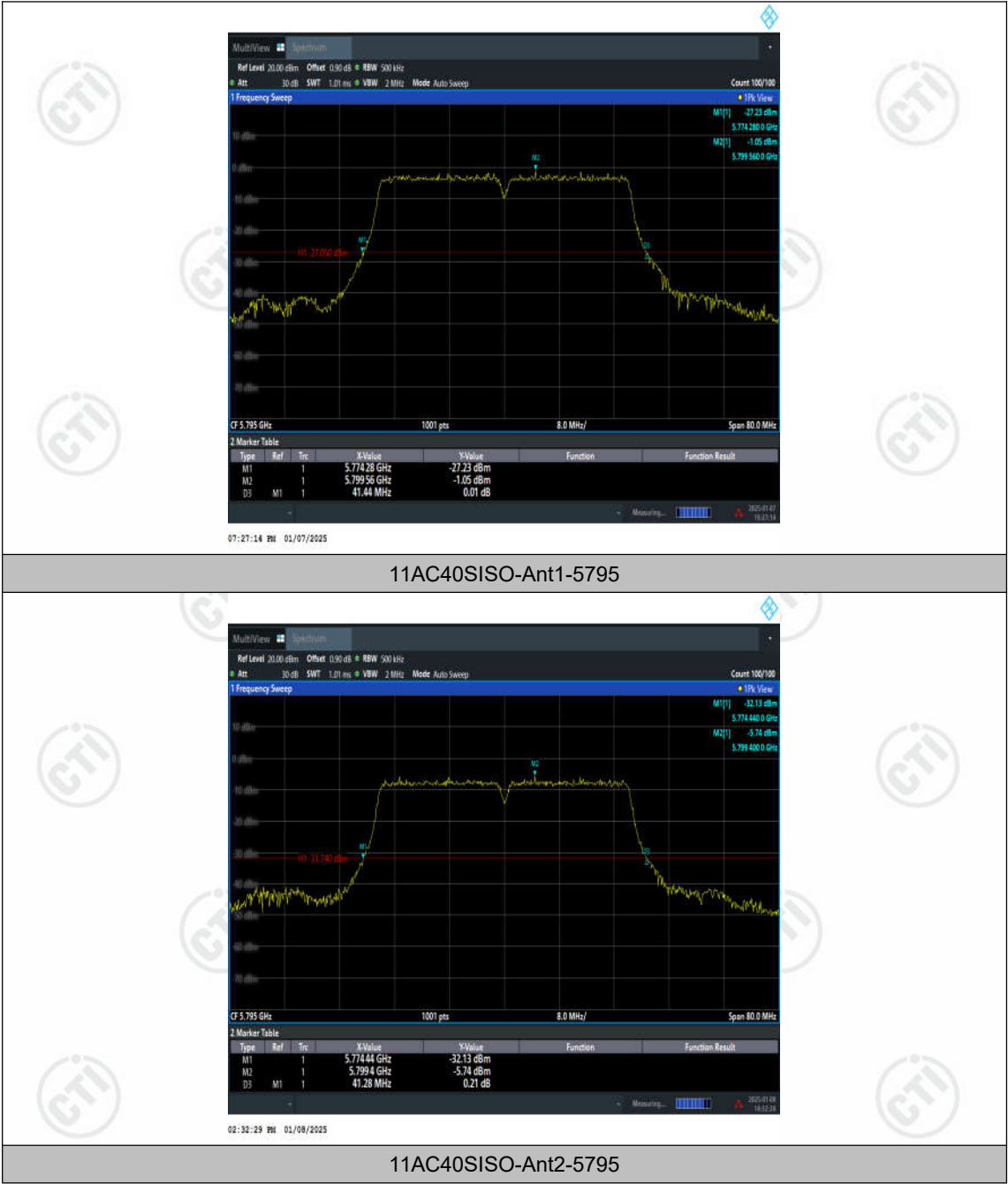
11AC20SISO-Ant2-5785

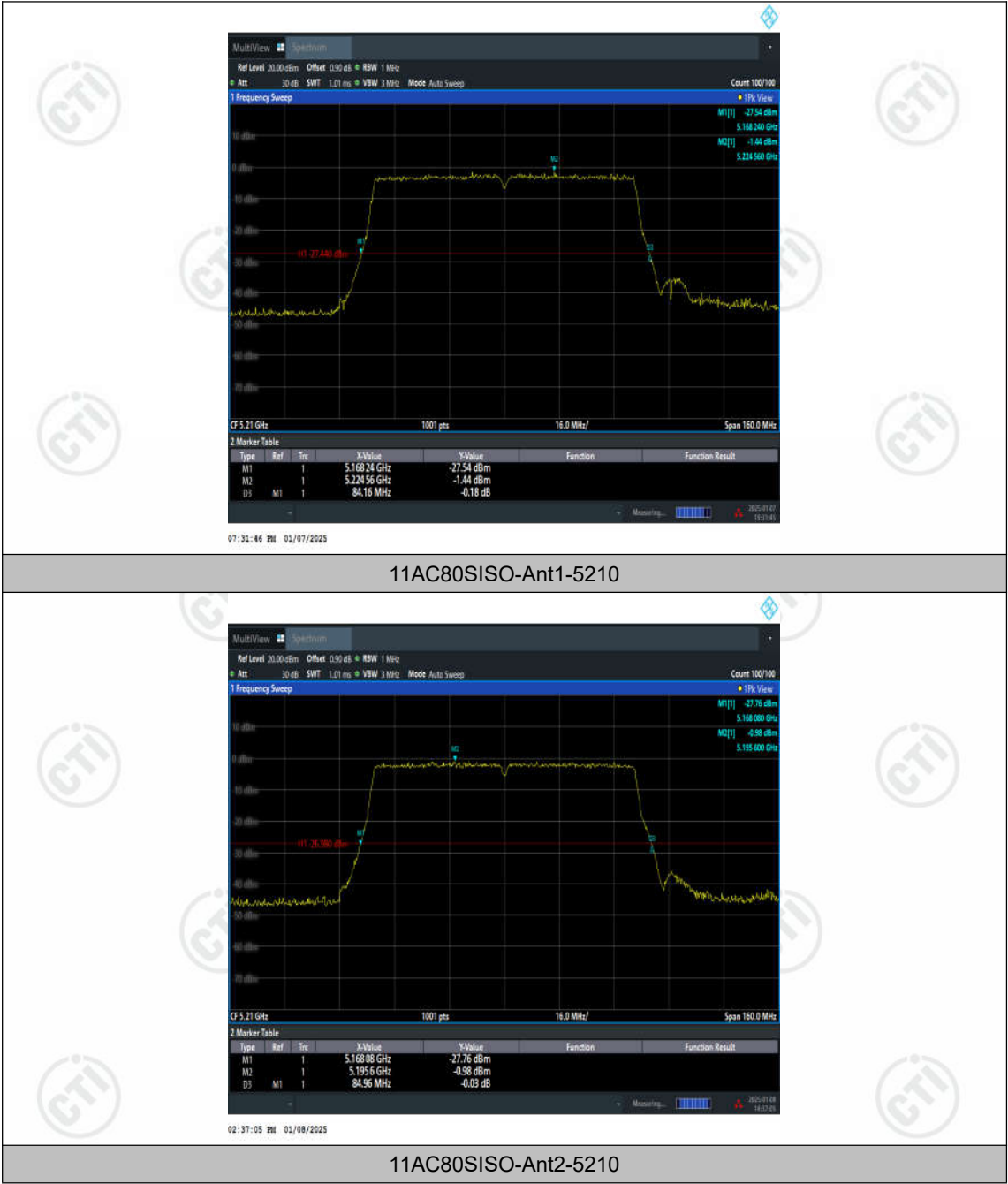


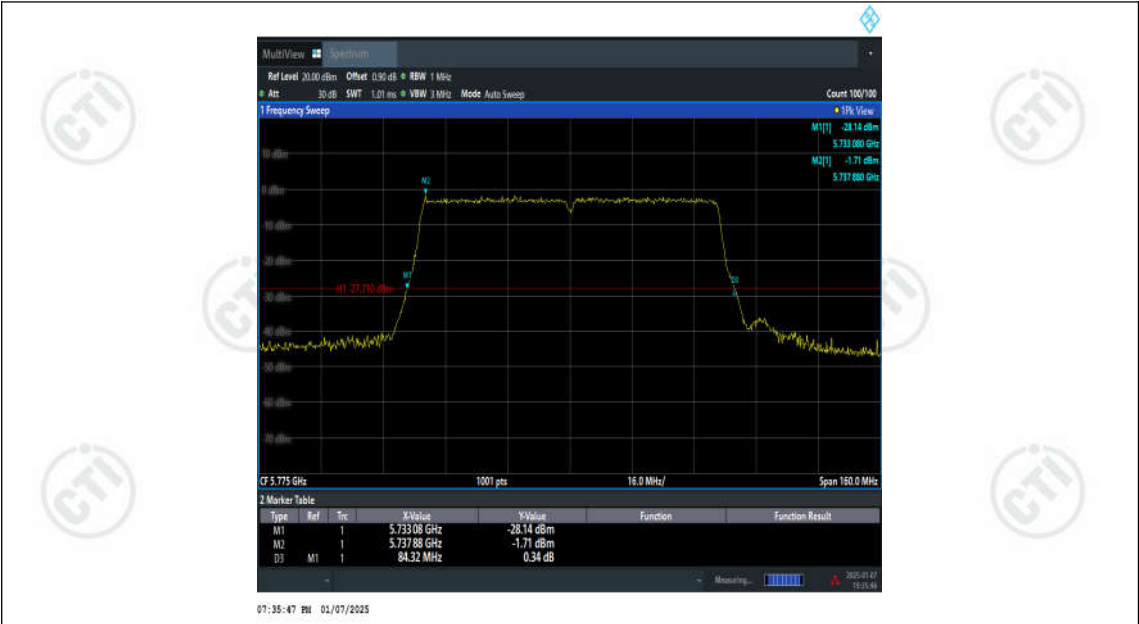








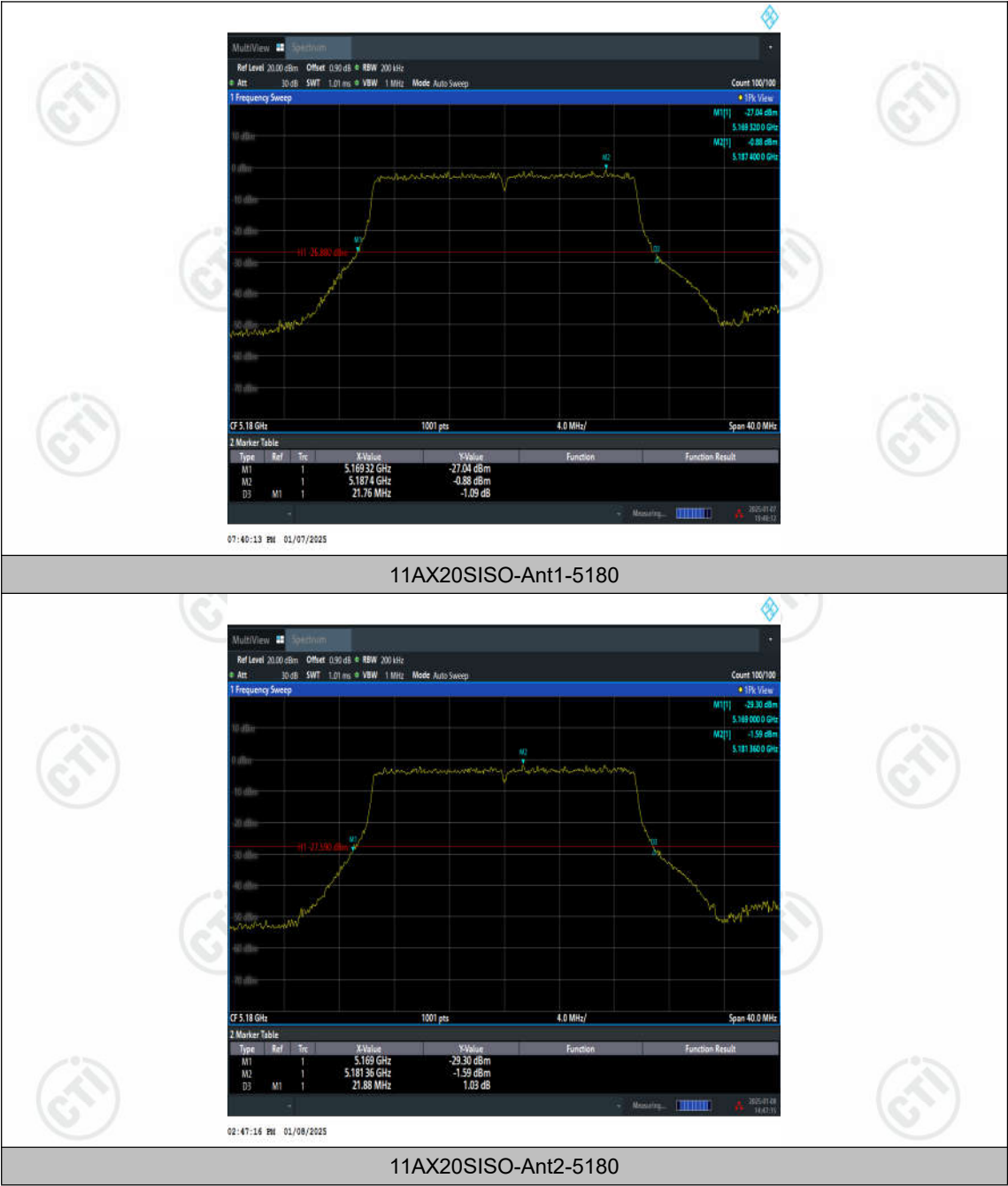


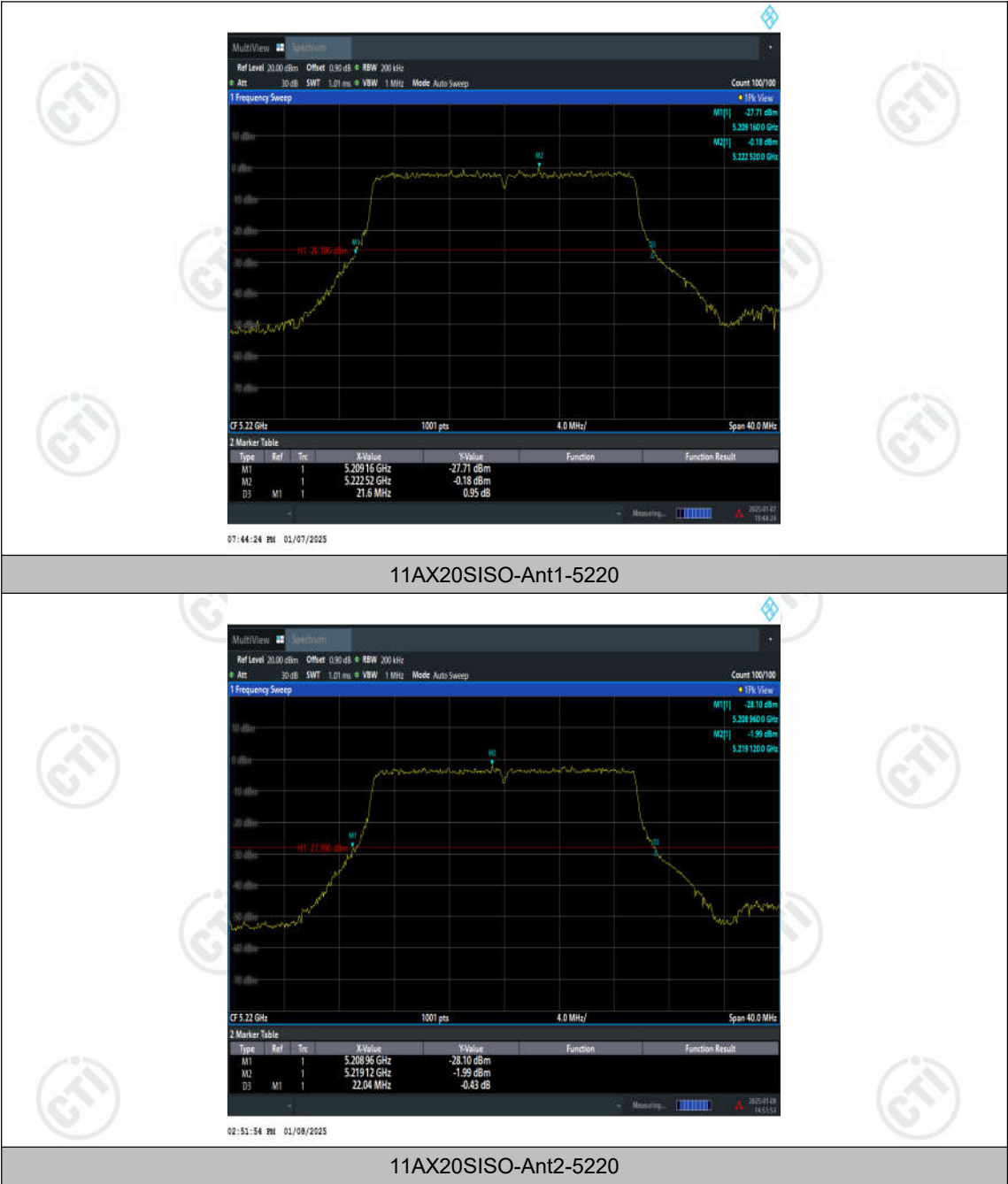


11AC80SISO-Ant1-5775



11AC80SISO-Ant2-5775







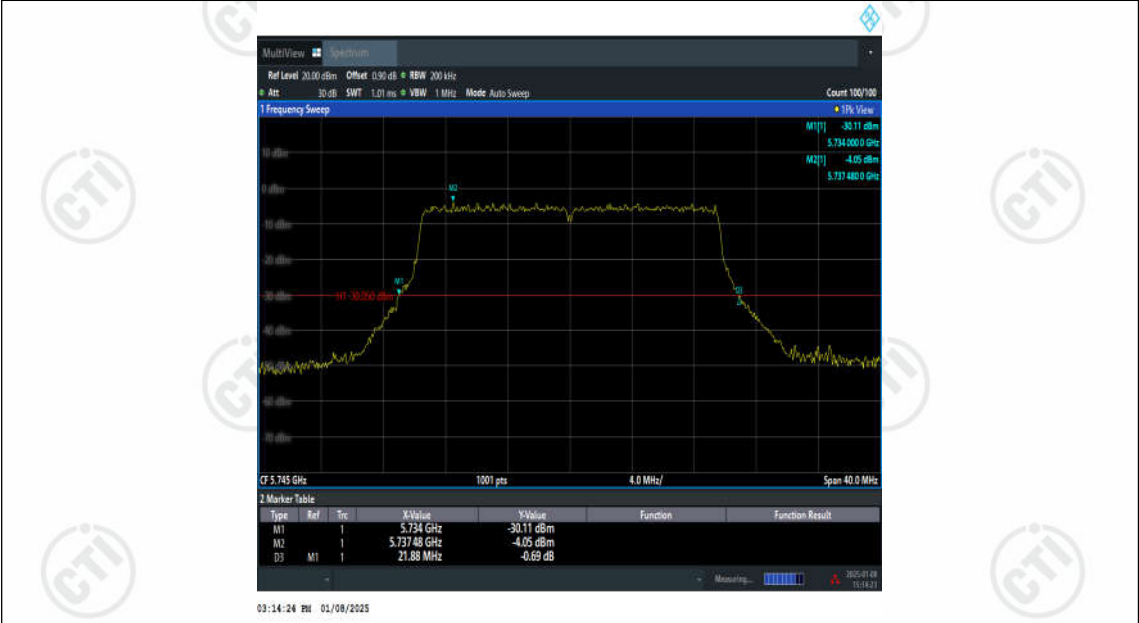
11AX20SISO-Ant1-5240



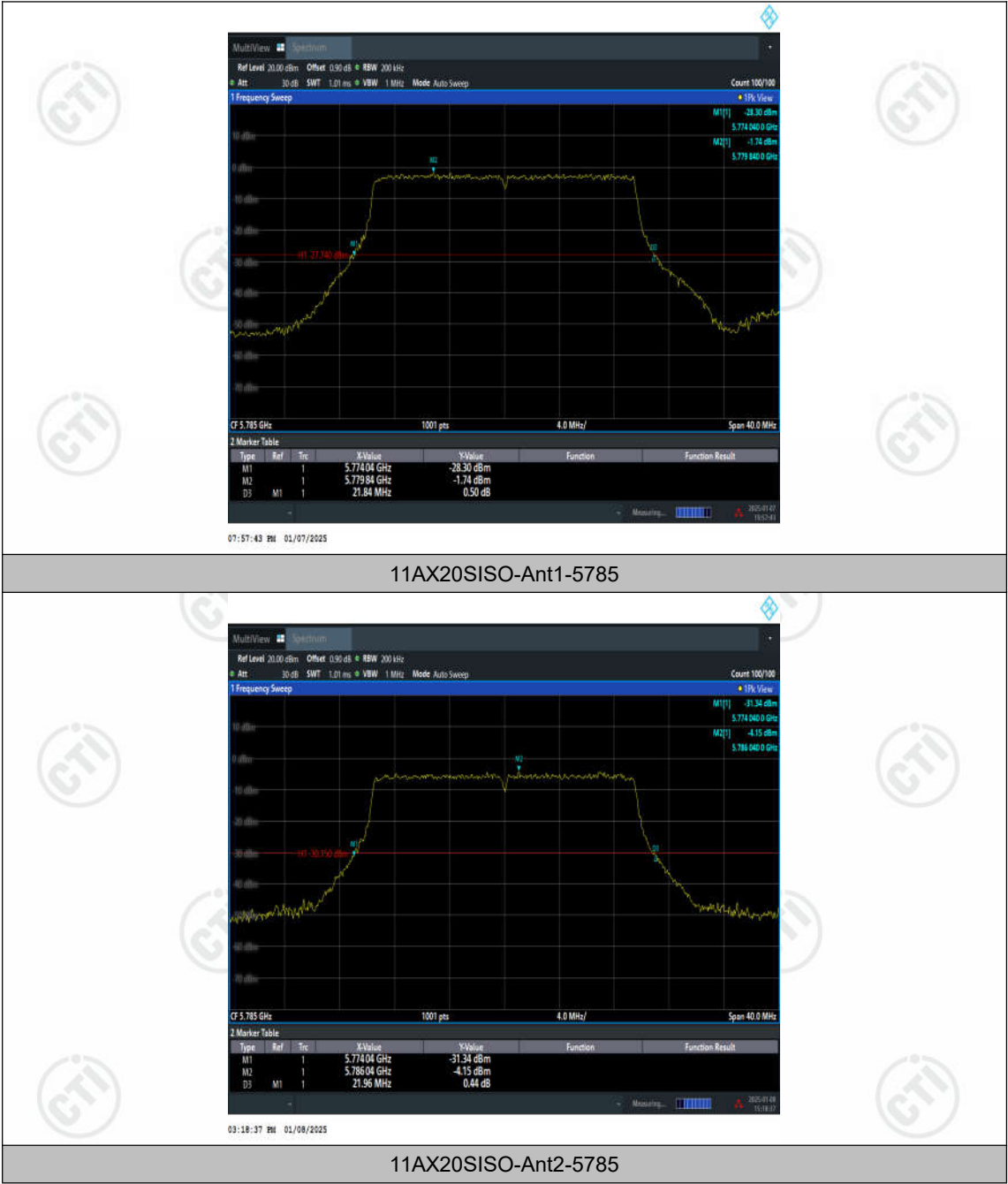
11AX20SISO-Ant2-5240



11AX20SISO-Ant1-5745

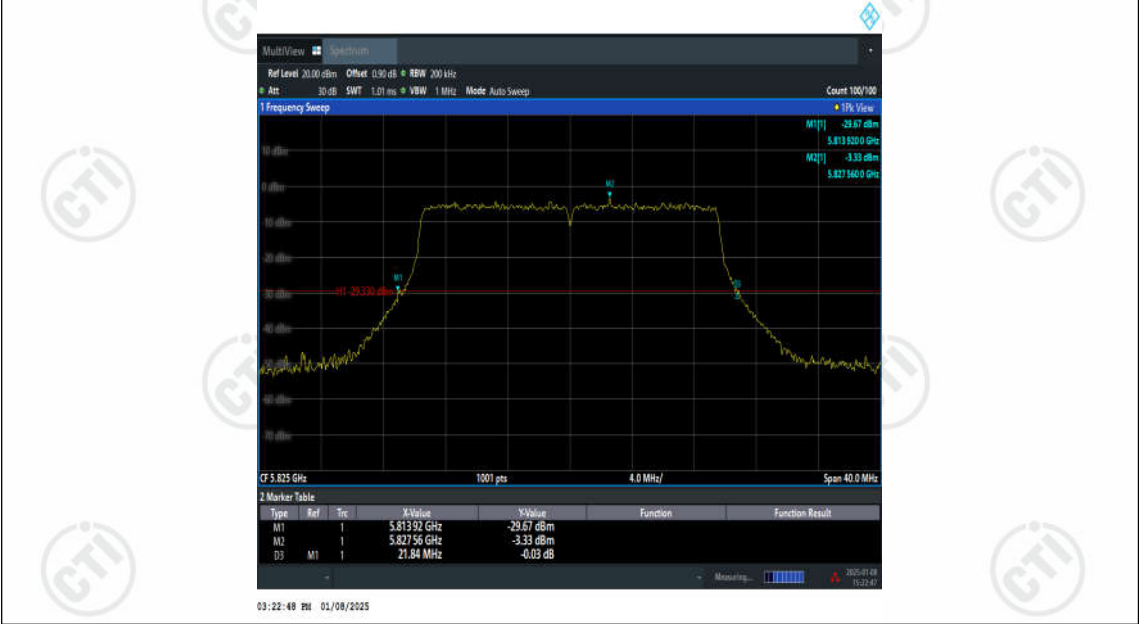


11AX20SISO-Ant2-5745

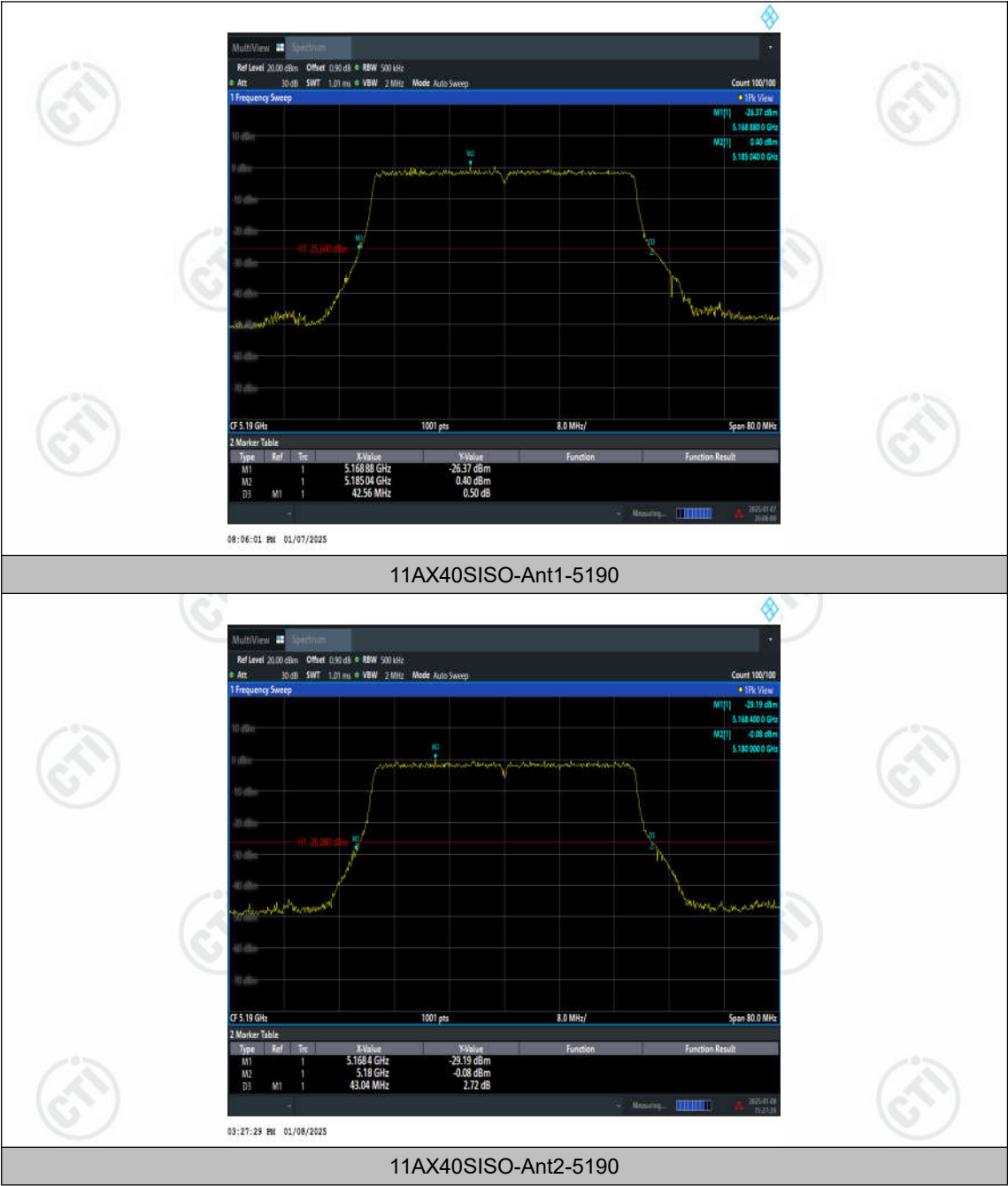




11AX20SISO-Ant1-5825

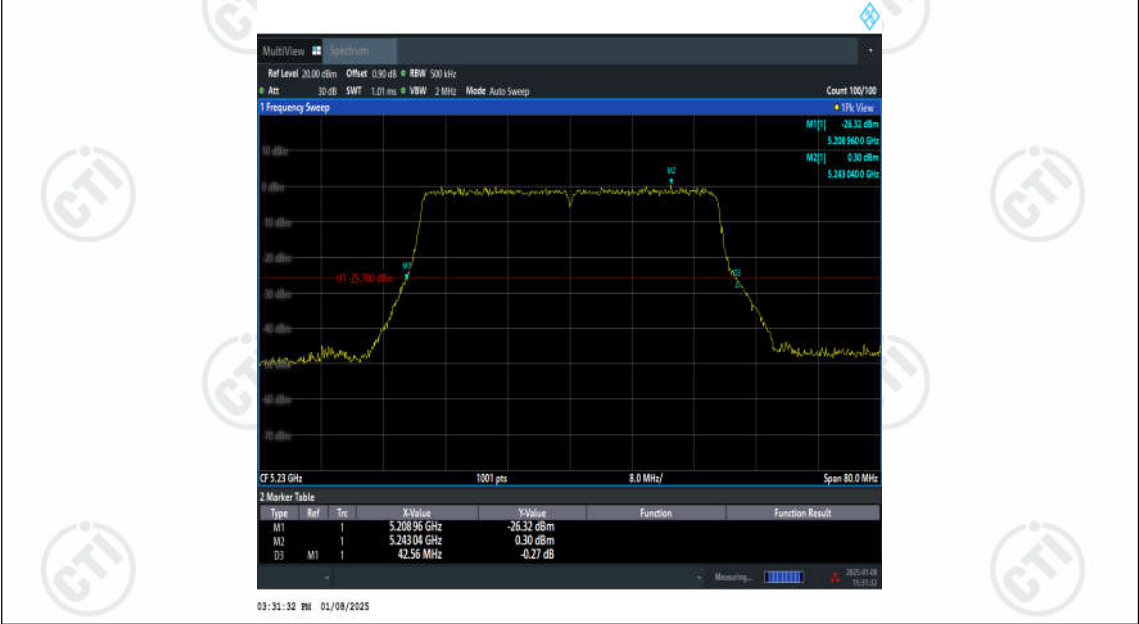


11AX20SISO-Ant2-5825





11AX40SISO-Ant1-5230



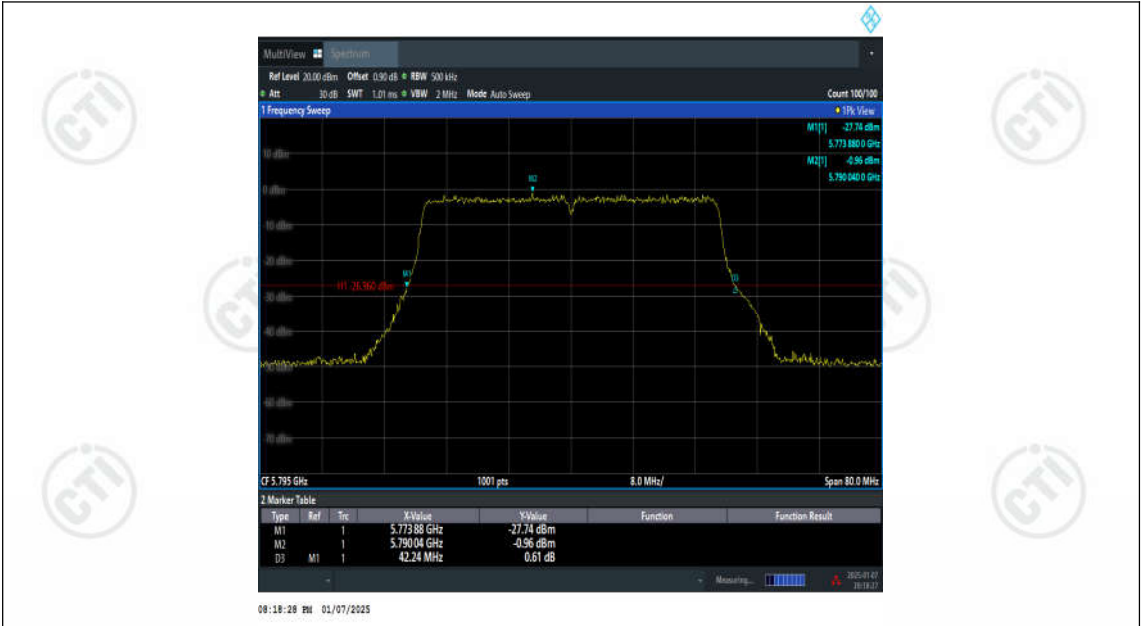
11AX40SISO-Ant2-5230



11AX40SISO-Ant1-5755



11AX40SISO-Ant2-5755



11AX40SISO-Ant1-5795



11AX40SISO-Ant2-5795



11AX80SISO-Ant1-5210



11AX80SISO-Ant2-5210



11AX80SISO-Ant1-5775



11AX80SISO-Ant2-5775

Appendix A2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.109	5171.5152	5188.6241	---	---
11A	Ant2	5180	17.114	5171.5047	5188.6187	---	---
11A	Ant1	5220	17.096	5211.5124	5228.6080	---	---
11A	Ant2	5220	17.11	5211.4884	5228.5984	---	---
11A	Ant1	5240	17.121	5231.4894	5248.6103	---	---
11A	Ant2	5240	17.133	5231.4758	5248.6092	---	---
11A	Ant1	5745	17.119	5736.4414	5753.5604	---	---
11A	Ant2	5745	17.043	5736.5132	5753.5565	---	---
11A	Ant1	5785	17.073	5776.4838	5793.5570	---	---
11A	Ant2	5785	17.085	5776.4607	5793.5453	---	---
11A	Ant1	5825	17.107	5816.4759	5833.5833	---	---
11A	Ant2	5825	17.099	5816.4376	5833.5364	---	---
11N20SISO	Ant1	5180	18.196	5170.9414	5189.1372	---	---
11N20SISO	Ant2	5180	18.228	5170.9243	5189.1518	---	---
11N20SISO	Ant1	5220	18.165	5210.9261	5229.0913	---	---
11N20SISO	Ant2	5220	18.201	5210.9263	5229.1277	---	---
11N20SISO	Ant1	5240	18.211	5230.8988	5249.1102	---	---
11N20SISO	Ant2	5240	18.204	5230.9099	5249.1141	---	---
11N20SISO	Ant1	5745	18.199	5735.8946	5754.0932	---	---
11N20SISO	Ant2	5745	18.215	5735.9150	5754.1304	---	---
11N20SISO	Ant1	5785	18.18	5775.9077	5794.0872	---	---
11N20SISO	Ant2	5785	18.21	5775.8908	5794.1012	---	---
11N20SISO	Ant1	5825	18.206	5815.8902	5834.0964	---	---
11N20SISO	Ant2	5825	18.19	5815.8805	5834.0709	---	---
11N40SISO	Ant1	5190	36.822	5171.6337	5208.4556	---	---
11N40SISO	Ant2	5190	36.77	5171.6229	5208.3927	---	---
11N40SISO	Ant1	5230	36.759	5211.6508	5248.4102	---	---
11N40SISO	Ant2	5230	36.853	5211.5891	5248.4416	---	---
11N40SISO	Ant1	5755	36.861	5736.5787	5773.4393	---	---
11N40SISO	Ant2	5755	36.729	5736.6513	5773.3801	---	---
11N40SISO	Ant1	5795	36.821	5776.6074	5813.4289	---	---
11N40SISO	Ant2	5795	36.774	5776.6464	5813.4207	---	---
11AC20SISO	Ant1	5180	18.213	5170.9162	5189.1292	---	---
11AC20SISO	Ant2	5180	18.215	5170.9088	5189.1240	---	---
11AC20SISO	Ant1	5220	18.207	5210.9300	5229.1367	---	---
11AC20SISO	Ant2	5220	18.212	5210.9256	5229.1373	---	---
11AC20SISO	Ant1	5240	18.195	5230.9188	5249.1137	---	---

11AC20SISO	Ant2	5240	18.207	5230.9121	5249.1193	---	---
11AC20SISO	Ant1	5745	18.192	5735.9262	5754.1179	---	---
11AC20SISO	Ant2	5745	18.23	5735.8978	5754.1274	---	---
11AC20SISO	Ant1	5785	18.21	5775.8862	5794.0963	---	---
11AC20SISO	Ant2	5785	18.204	5775.8922	5794.0965	---	---
11AC20SISO	Ant1	5825	18.208	5815.9030	5834.1114	---	---
11AC20SISO	Ant2	5825	18.213	5815.8870	5834.0999	---	---
11AC40SISO	Ant1	5190	36.769	5171.6357	5208.4049	---	---
11AC40SISO	Ant2	5190	36.809	5171.6120	5208.4211	---	---
11AC40SISO	Ant1	5230	36.82	5211.5868	5248.4071	---	---
11AC40SISO	Ant2	5230	36.865	5211.5475	5248.4123	---	---
11AC40SISO	Ant1	5755	36.788	5736.6146	5773.4023	---	---
11AC40SISO	Ant2	5755	36.825	5736.5920	5773.4174	---	---
11AC40SISO	Ant1	5795	36.848	5776.5915	5813.4393	---	---
11AC40SISO	Ant2	5795	36.826	5776.6026	5813.4283	---	---
11AC80SISO	Ant1	5210	76.364	5171.8839	5248.2478	---	---
11AC80SISO	Ant2	5210	76.424	5171.8060	5248.2299	---	---
11AC80SISO	Ant1	5775	76.525	5736.7924	5813.3178	---	---
11AC80SISO	Ant2	5775	76.354	5736.8569	5813.2108	---	---
11AX20SISO	Ant1	5180	19.176	5170.4271	5189.6036	---	---
11AX20SISO	Ant2	5180	19.208	5170.4168	5189.6246	---	---
11AX20SISO	Ant1	5220	19.203	5210.4411	5229.6445	---	---
11AX20SISO	Ant2	5220	19.174	5210.4118	5229.5863	---	---
11AX20SISO	Ant1	5240	19.213	5230.4148	5249.6276	---	---
11AX20SISO	Ant2	5240	19.199	5230.4027	5249.6021	---	---
11AX20SISO	Ant1	5745	19.201	5735.3979	5754.5992	---	---
11AX20SISO	Ant2	5745	19.239	5735.4014	5754.6406	---	---
11AX20SISO	Ant1	5785	19.169	5775.4159	5794.5845	---	---
11AX20SISO	Ant2	5785	19.206	5775.4006	5794.6062	---	---
11AX20SISO	Ant1	5825	19.212	5815.3915	5834.6040	---	---
11AX20SISO	Ant2	5825	19.18	5815.3971	5834.5773	---	---
11AX40SISO	Ant1	5190	38.06	5170.9928	5209.0525	---	---
11AX40SISO	Ant2	5190	38.084	5170.9766	5209.0607	---	---
11AX40SISO	Ant1	5230	38.035	5211.0136	5249.0487	---	---
11AX40SISO	Ant2	5230	38.093	5210.9528	5249.0458	---	---
11AX40SISO	Ant1	5755	38.073	5735.9778	5774.0511	---	---
11AX40SISO	Ant2	5755	38.083	5735.9474	5774.0300	---	---
11AX40SISO	Ant1	5795	38.085	5775.9690	5814.0545	---	---
11AX40SISO	Ant2	5795	38.026	5775.9917	5814.0177	---	---
11AX80SISO	Ant1	5210	77.81	5171.1766	5248.9867	---	---
11AX80SISO	Ant2	5210	77.823	5171.1271	5248.9497	---	---

11AX80SISO	Ant1	5775	77.962	5736.0265	5813.9884	---	---
11AX80SISO	Ant2	5775	77.898	5736.1575	5814.0556	---	---

Test Graphs





11A-Ant1-5220



11A-Ant2-5220



11A-Ant1-5240



11A-Ant2-5240



11A-Ant1-5745



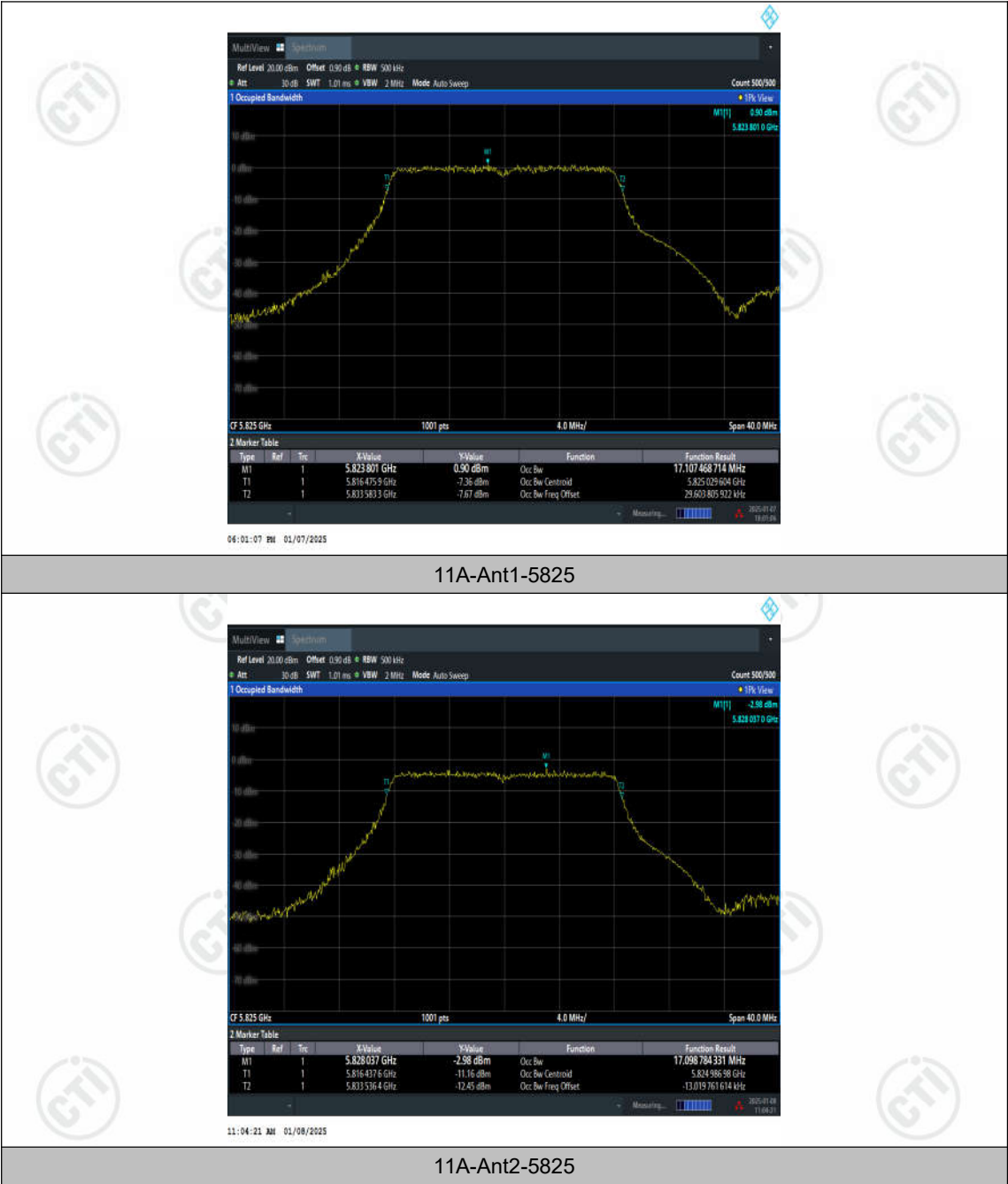
11A-Ant2-5745



11A-Ant1-5785



11A-Ant2-5785





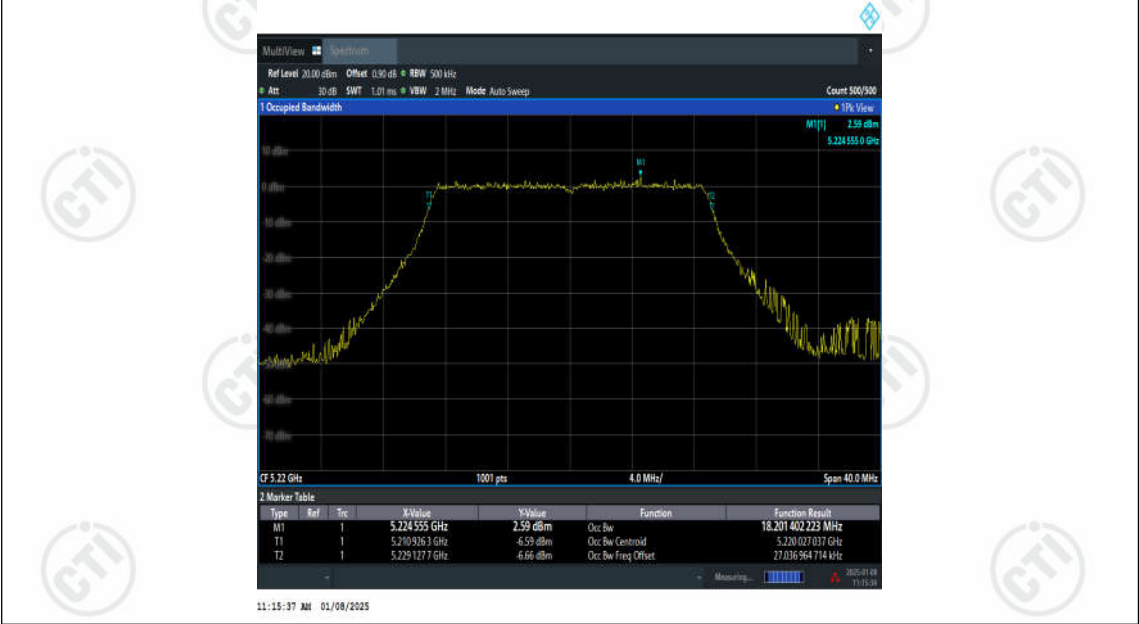
11N20SISO-Ant1-5180



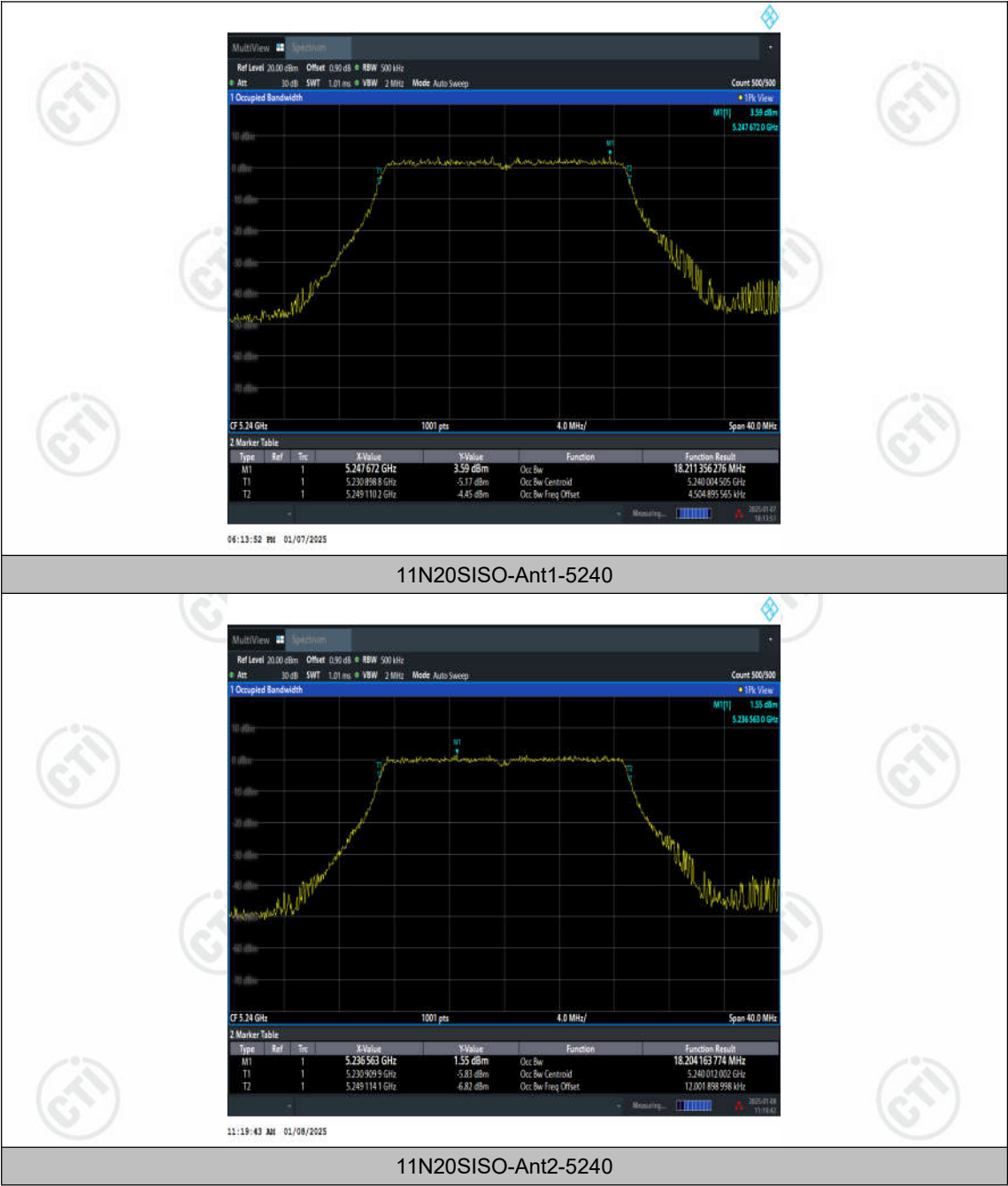
11N20SISO-Ant2-5180

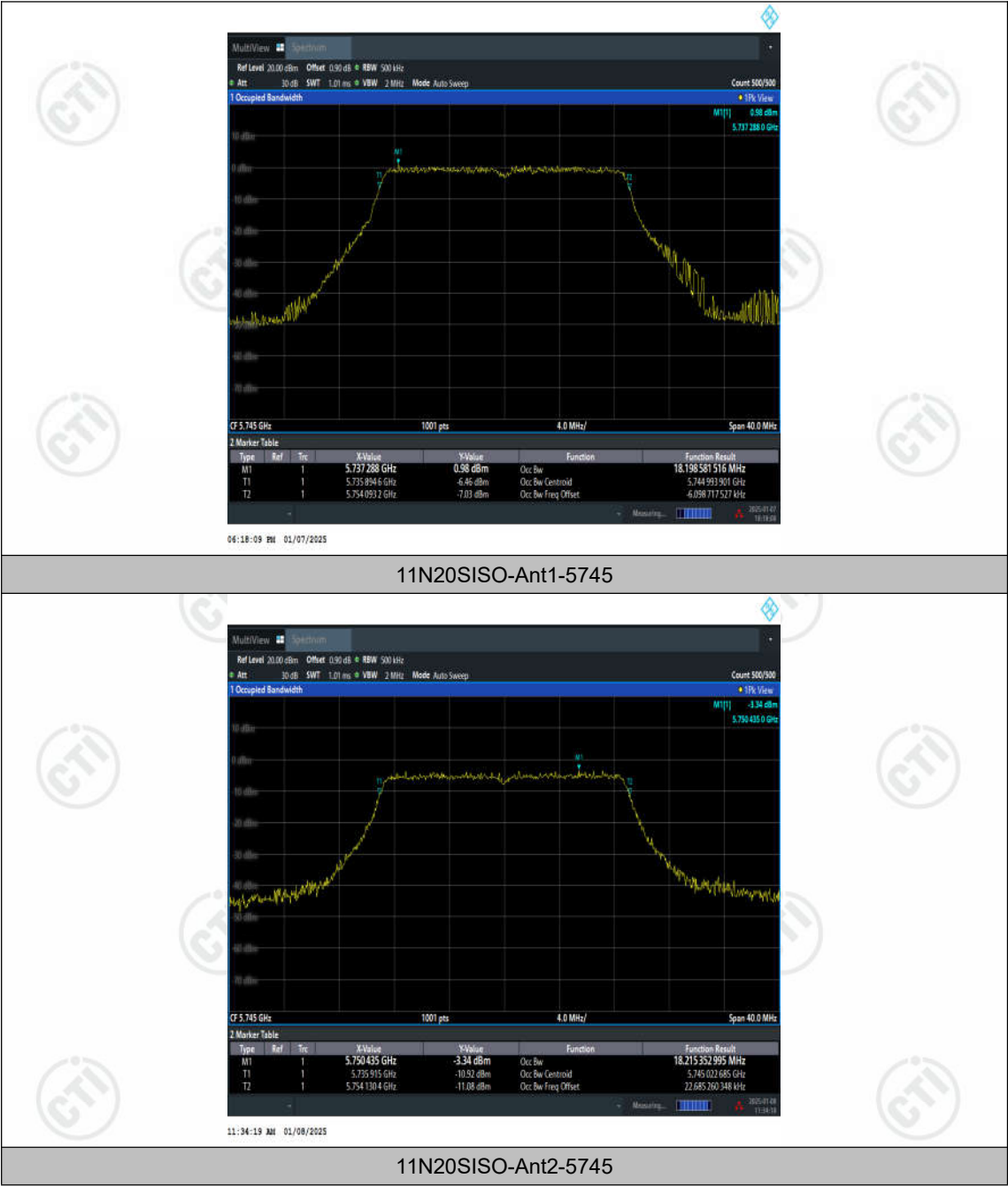


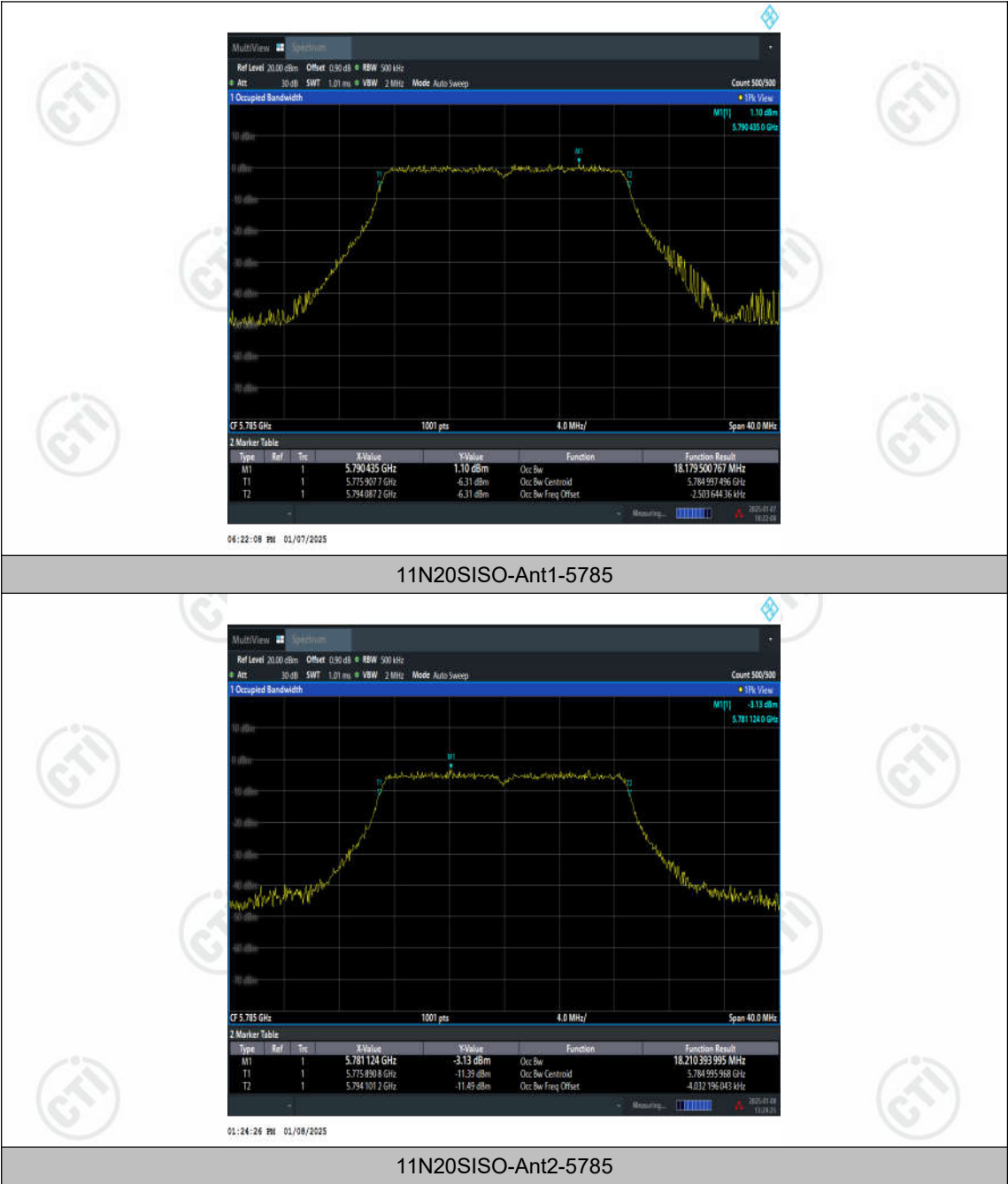
11N20SISO-Ant1-5220

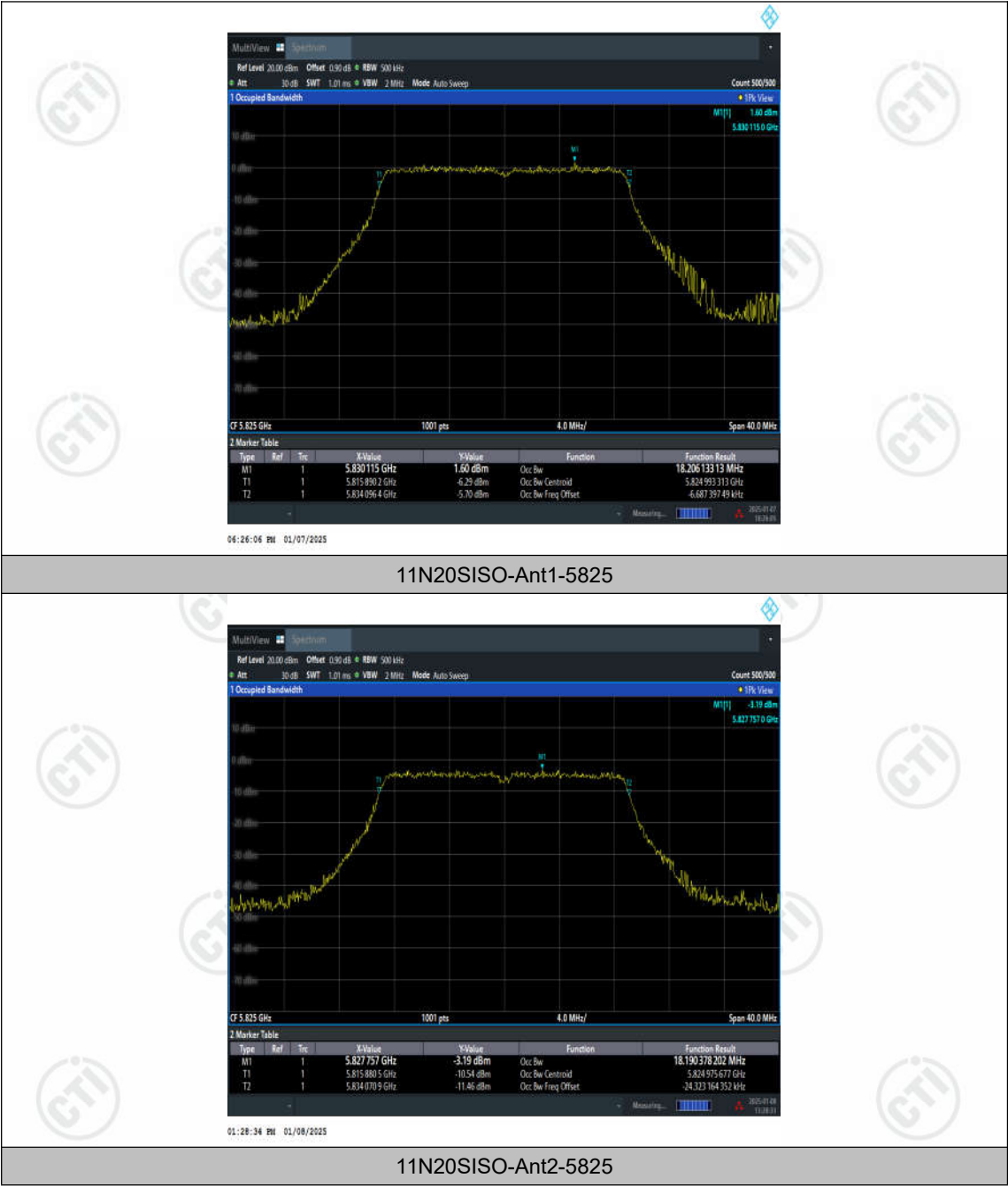


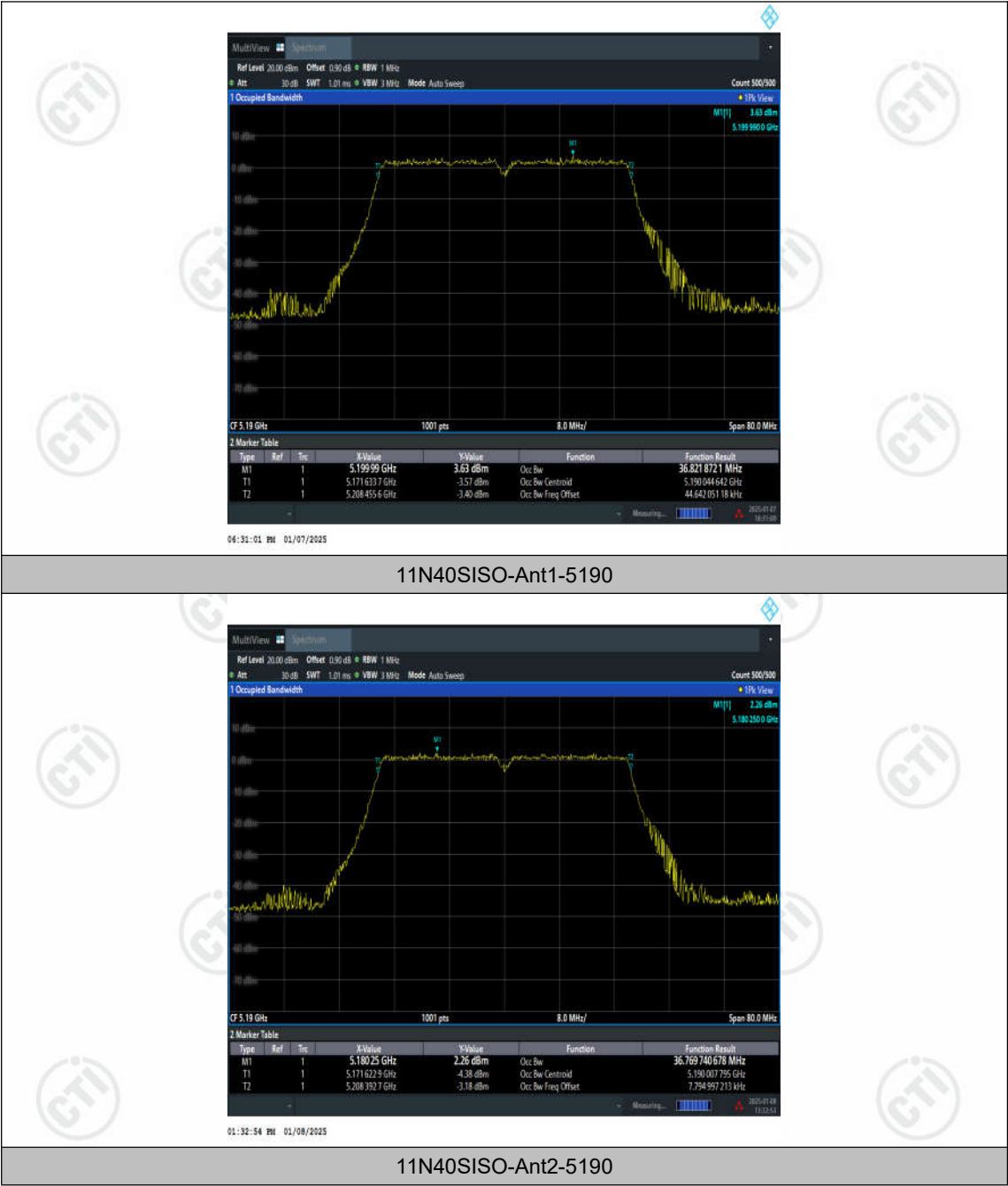
11N20SISO-Ant2-5220

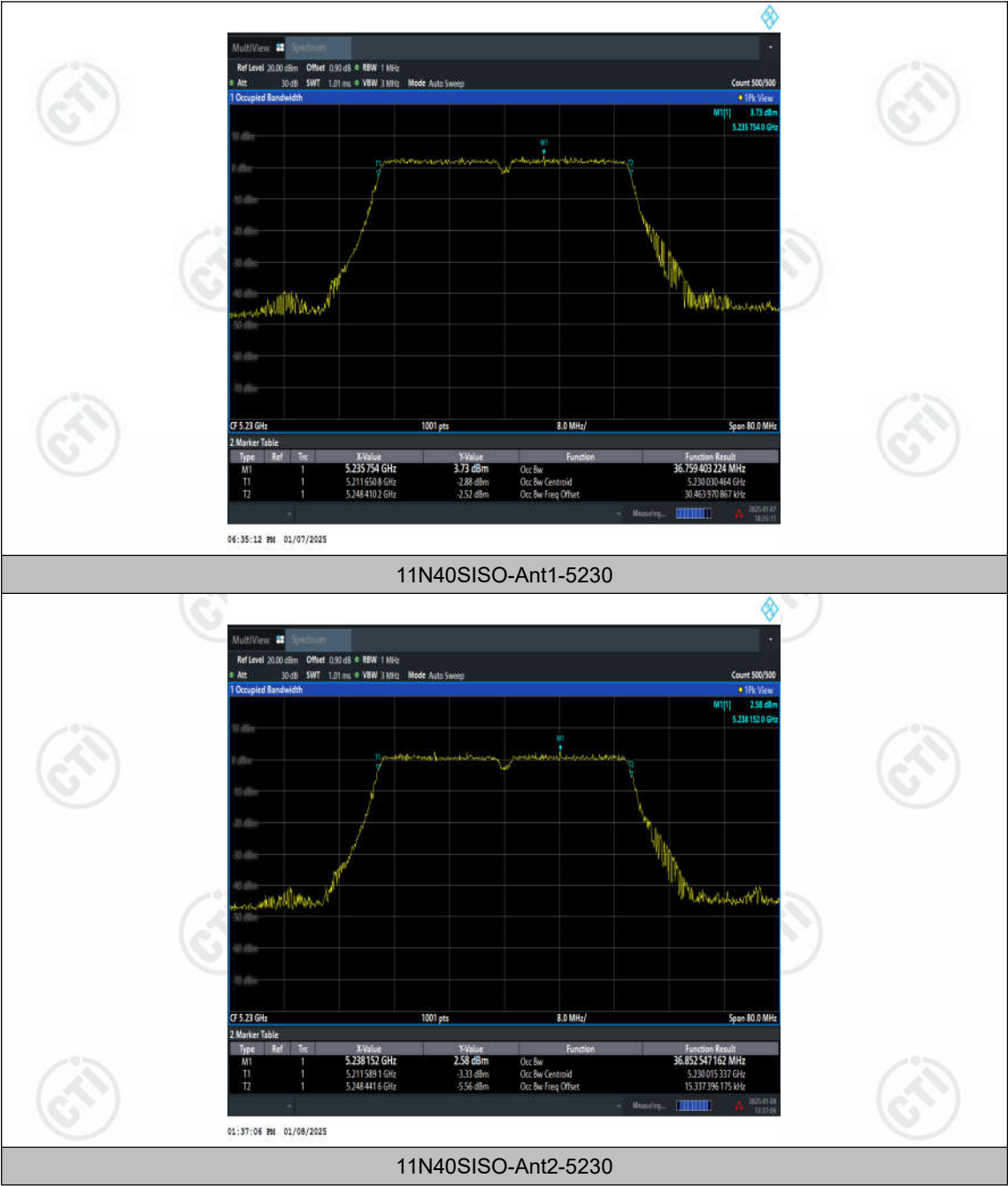


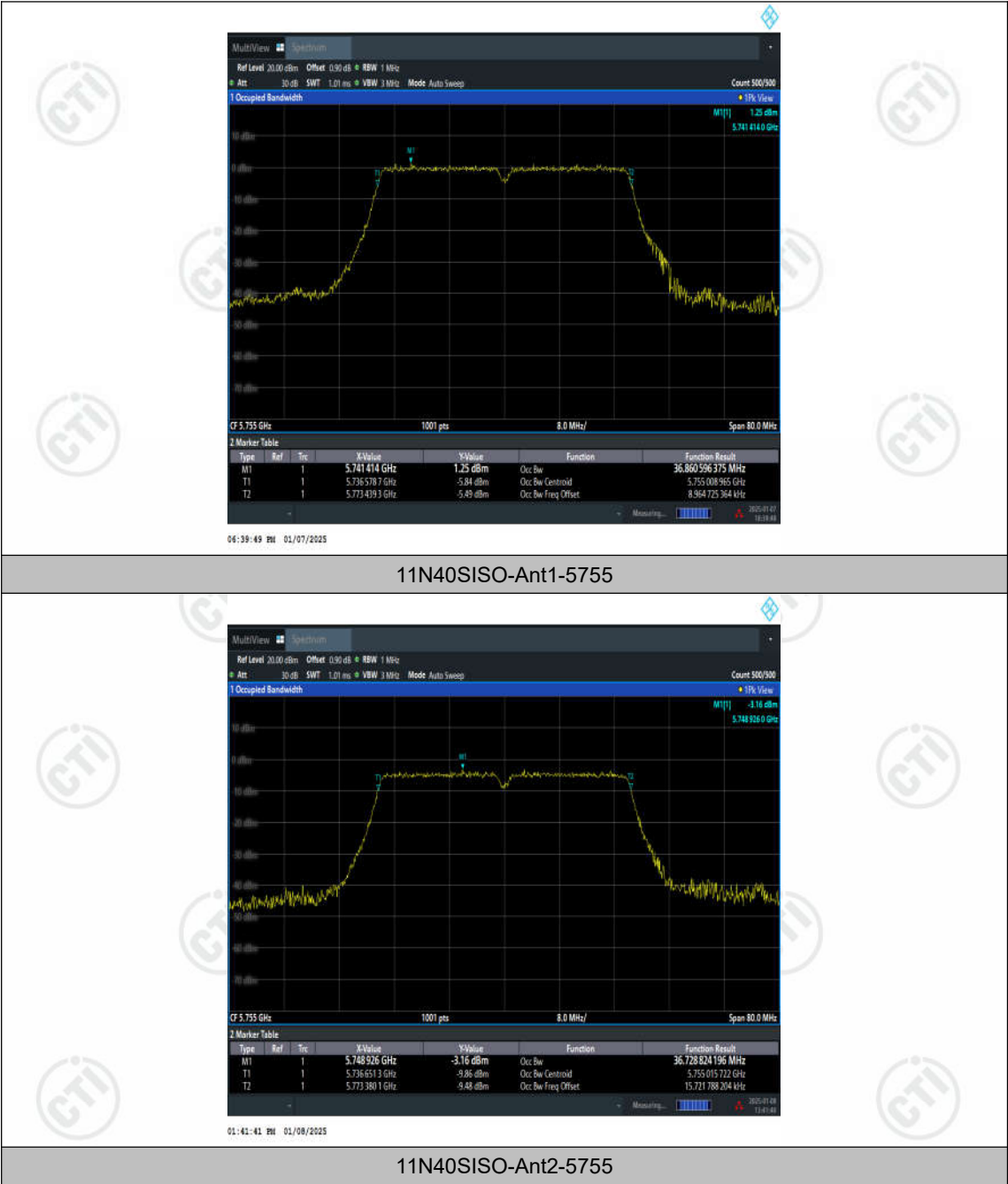










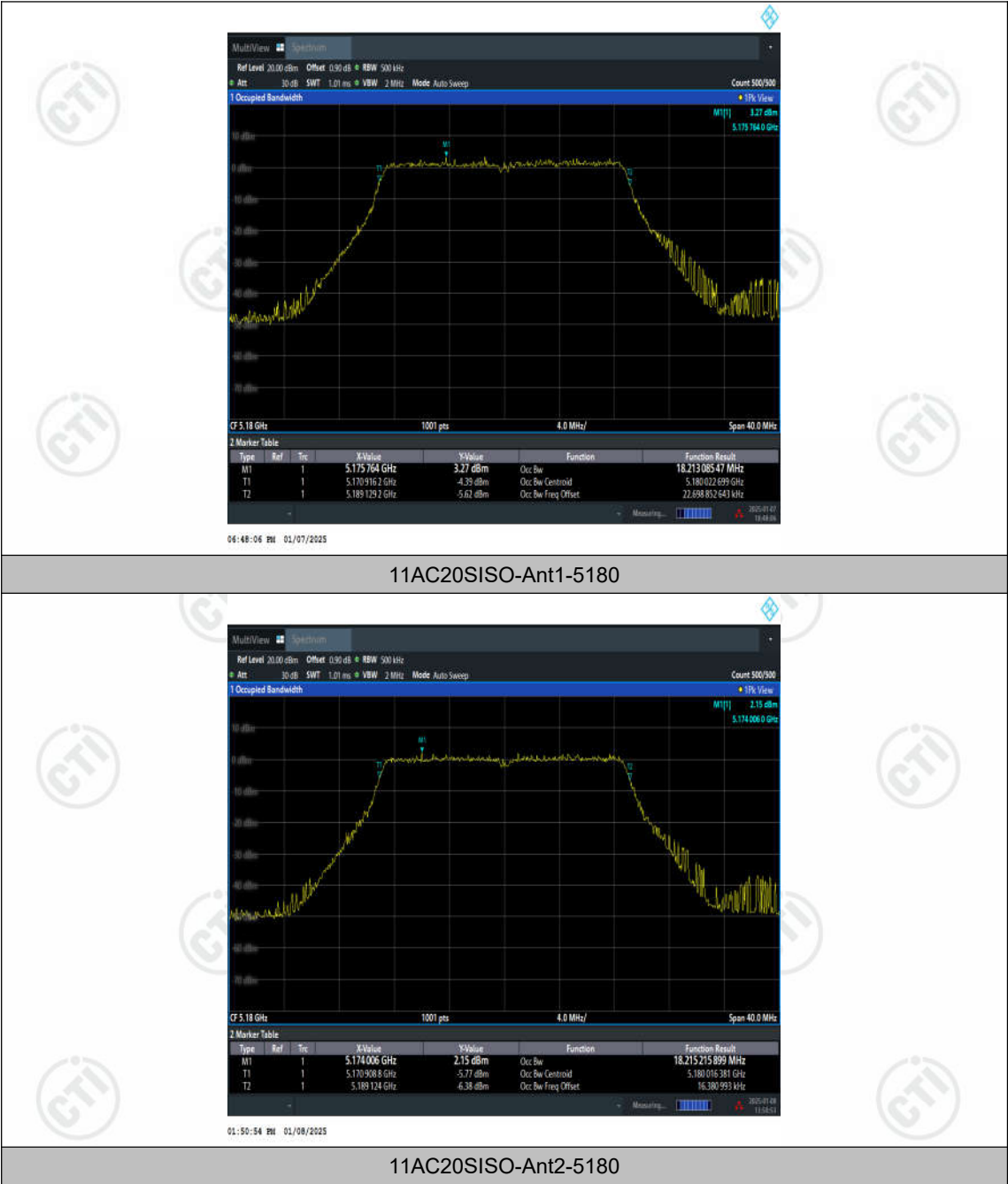




11N40SISO-Ant1-5795

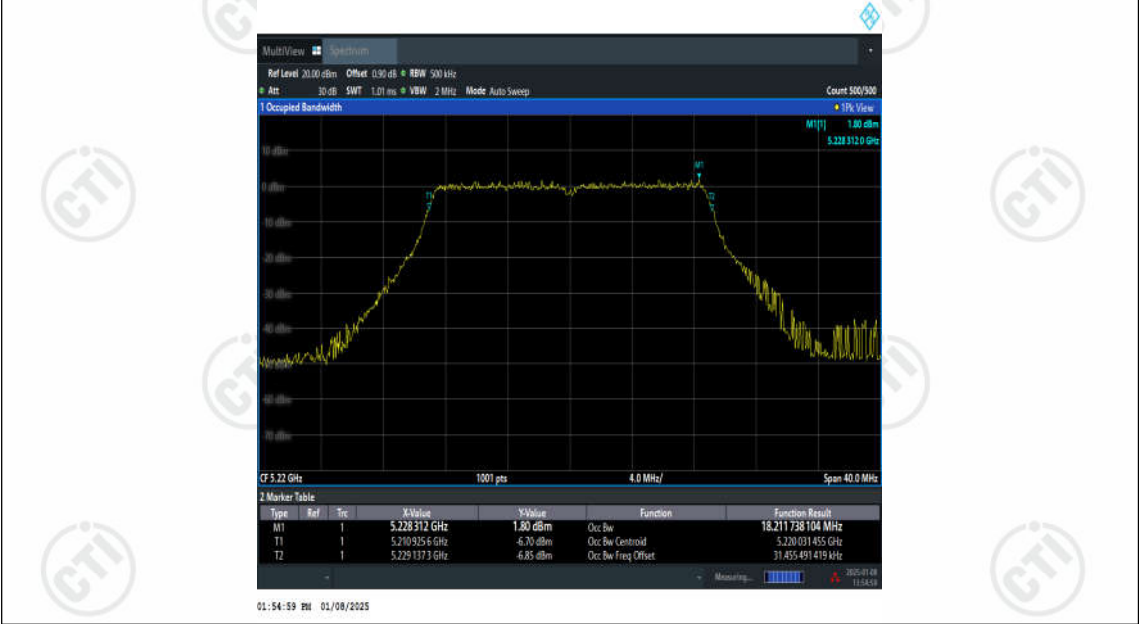


11N40SISO-Ant2-5795





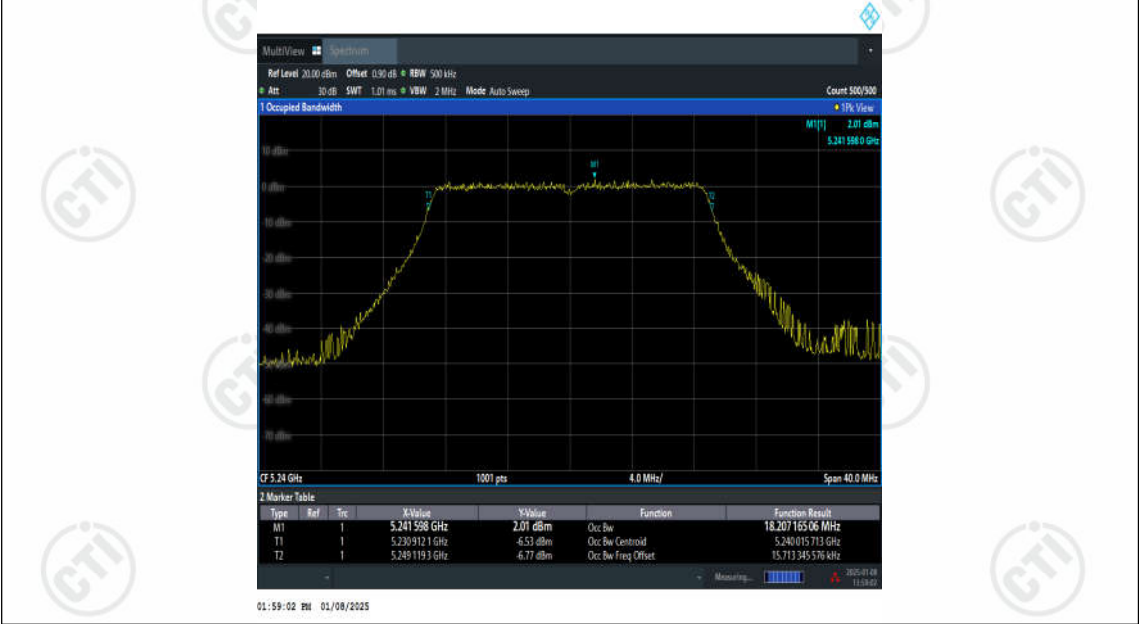
11AC20SISO-Ant1-5220



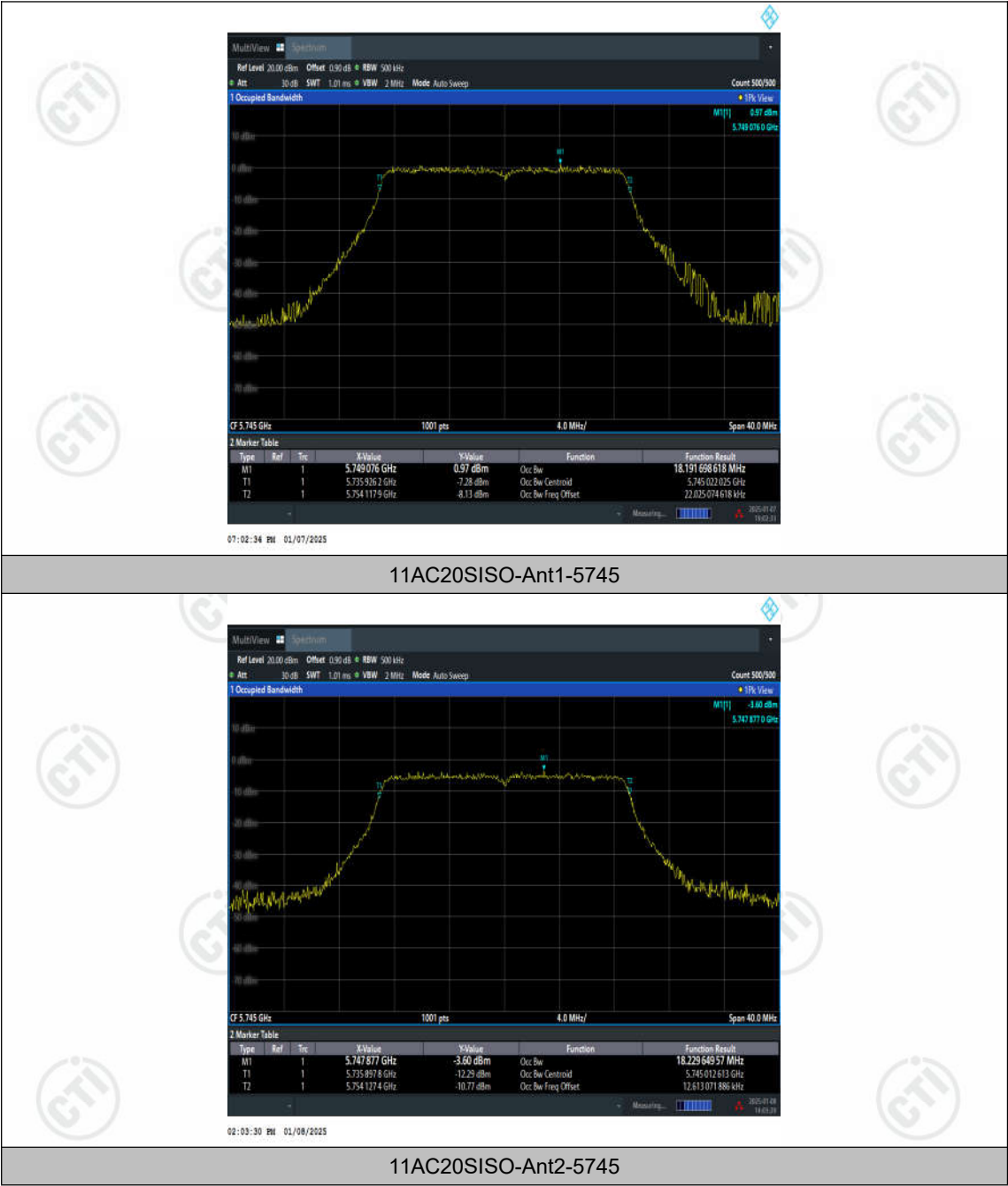
11AC20SISO-Ant2-5220

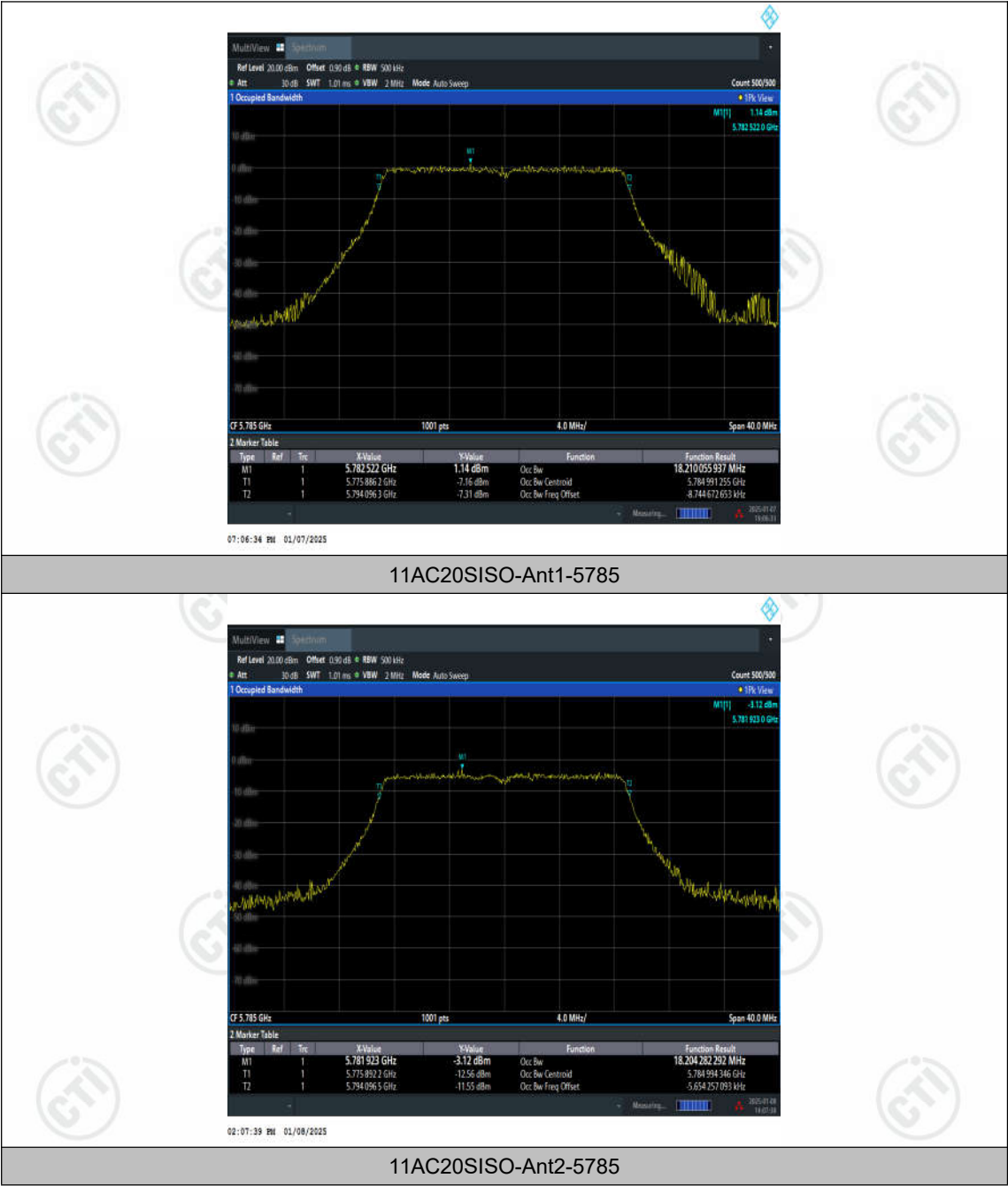


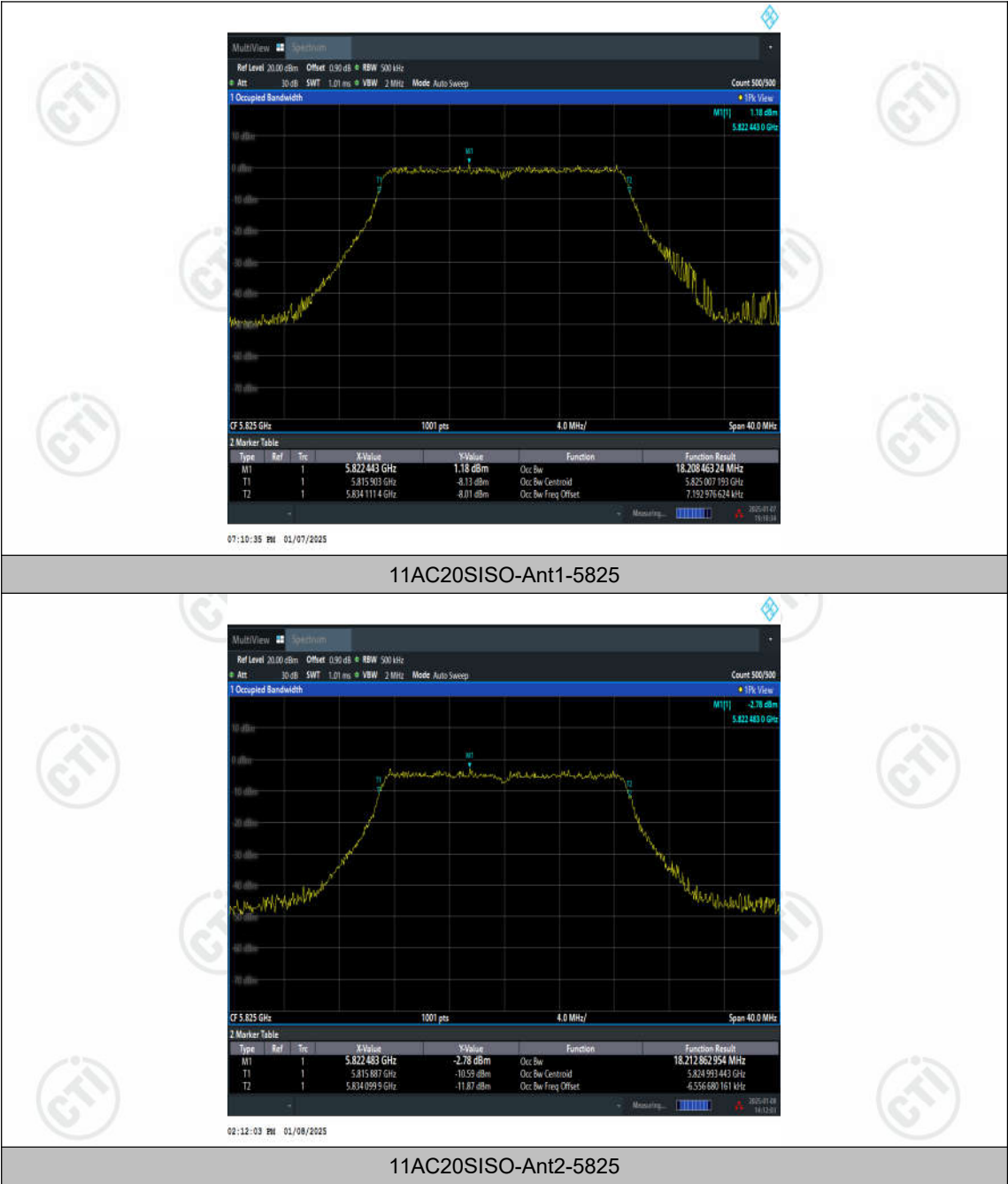
11AC20SISO-Ant1-5240

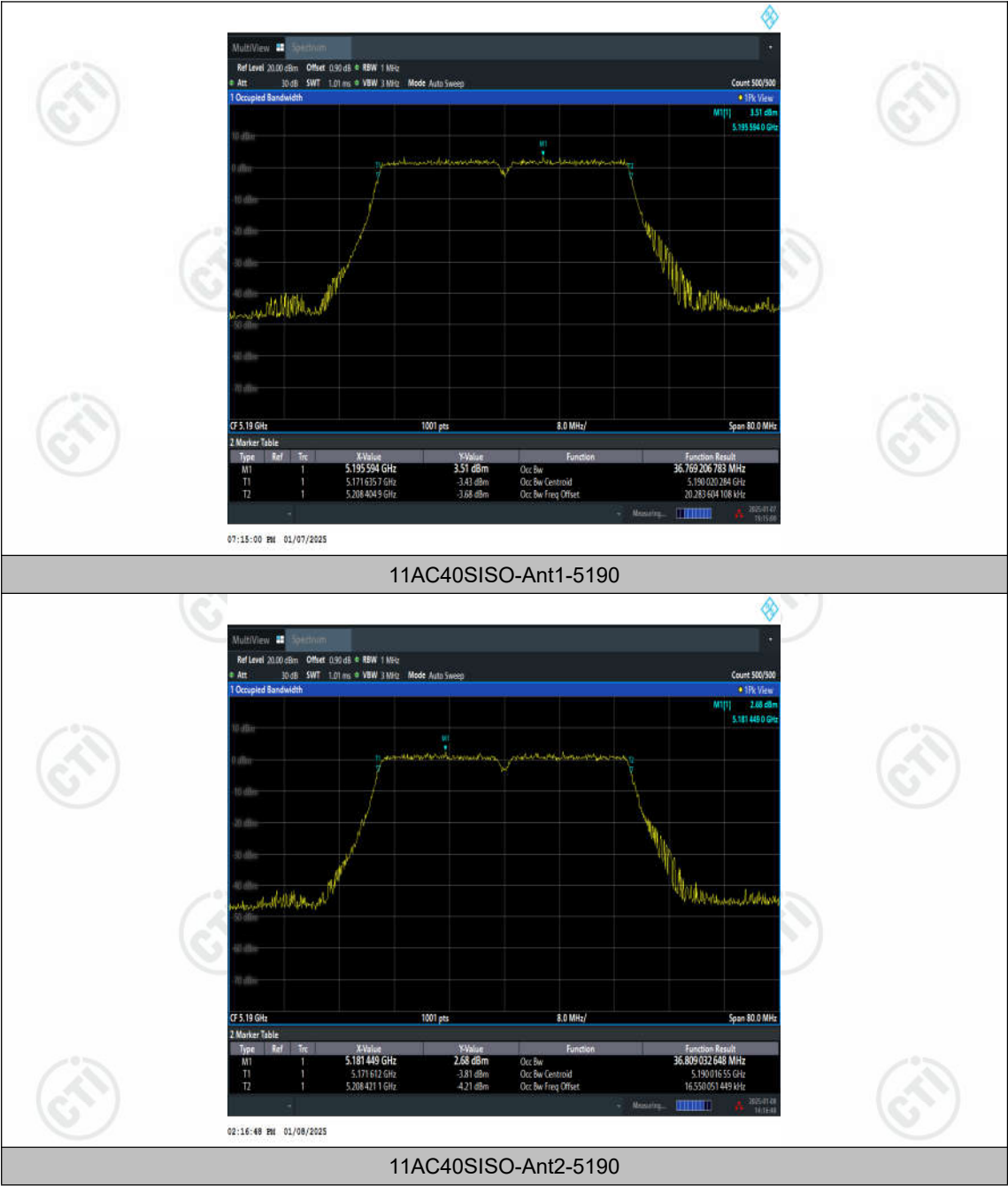


11AC20SISO-Ant2-5240







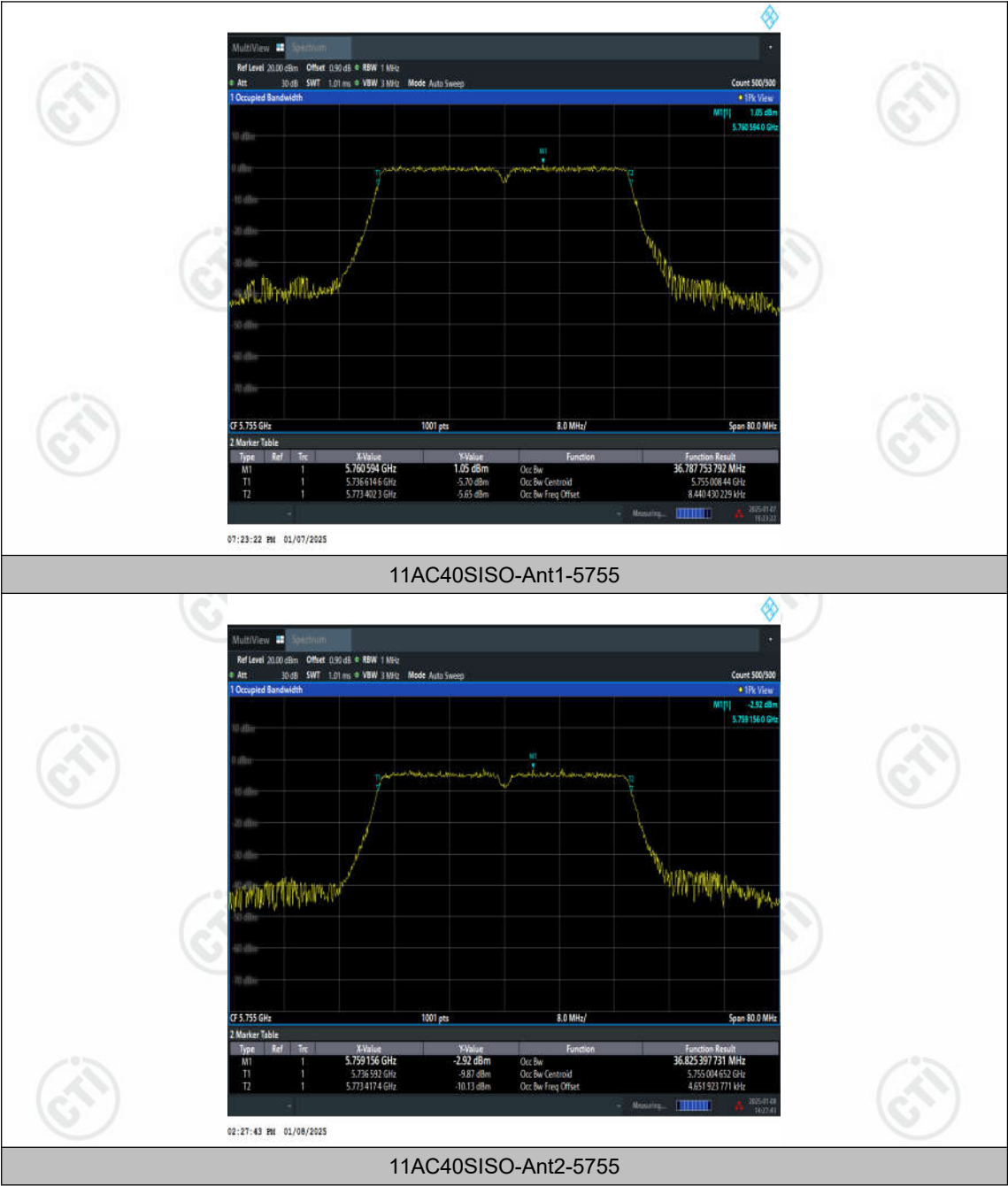


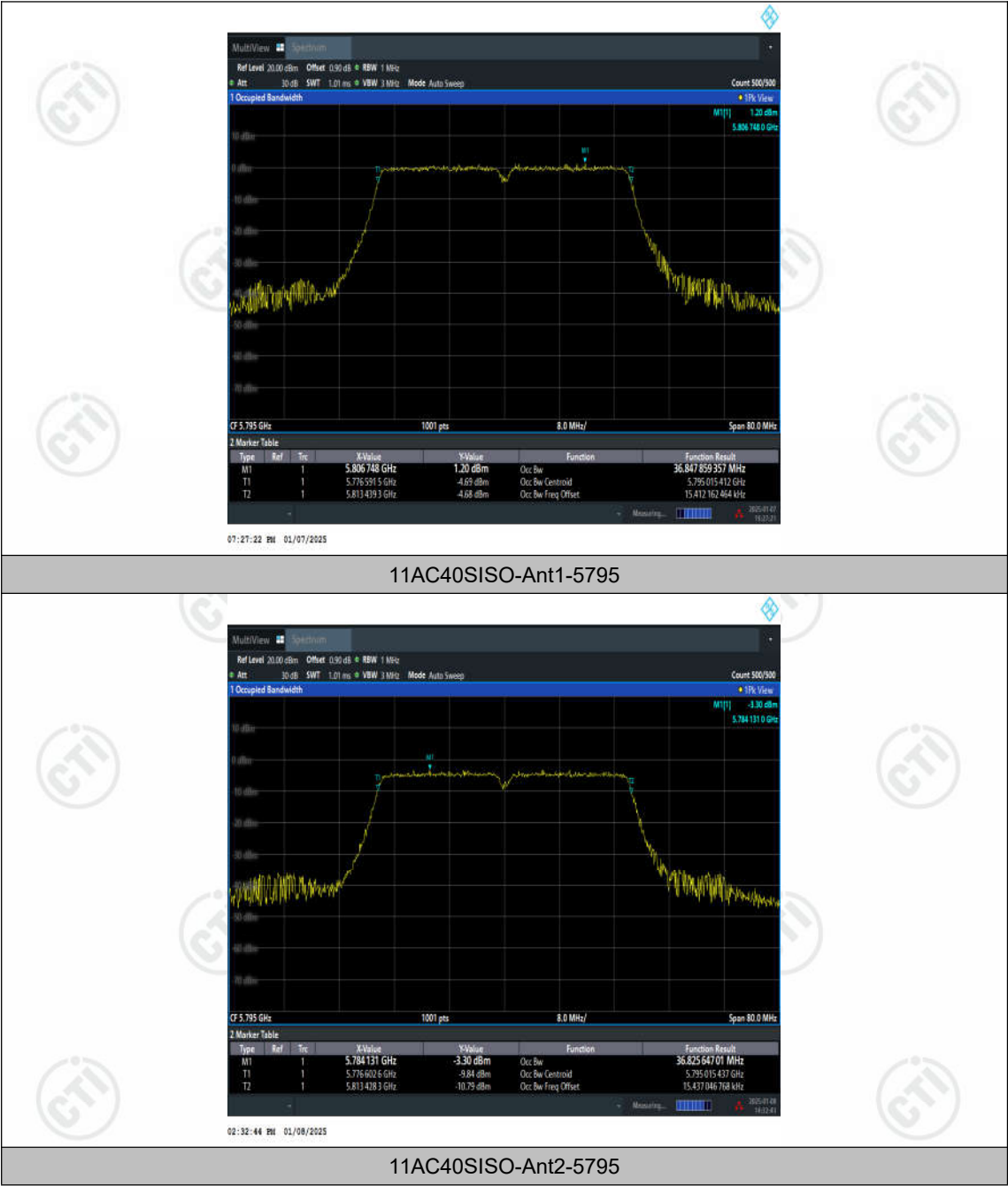


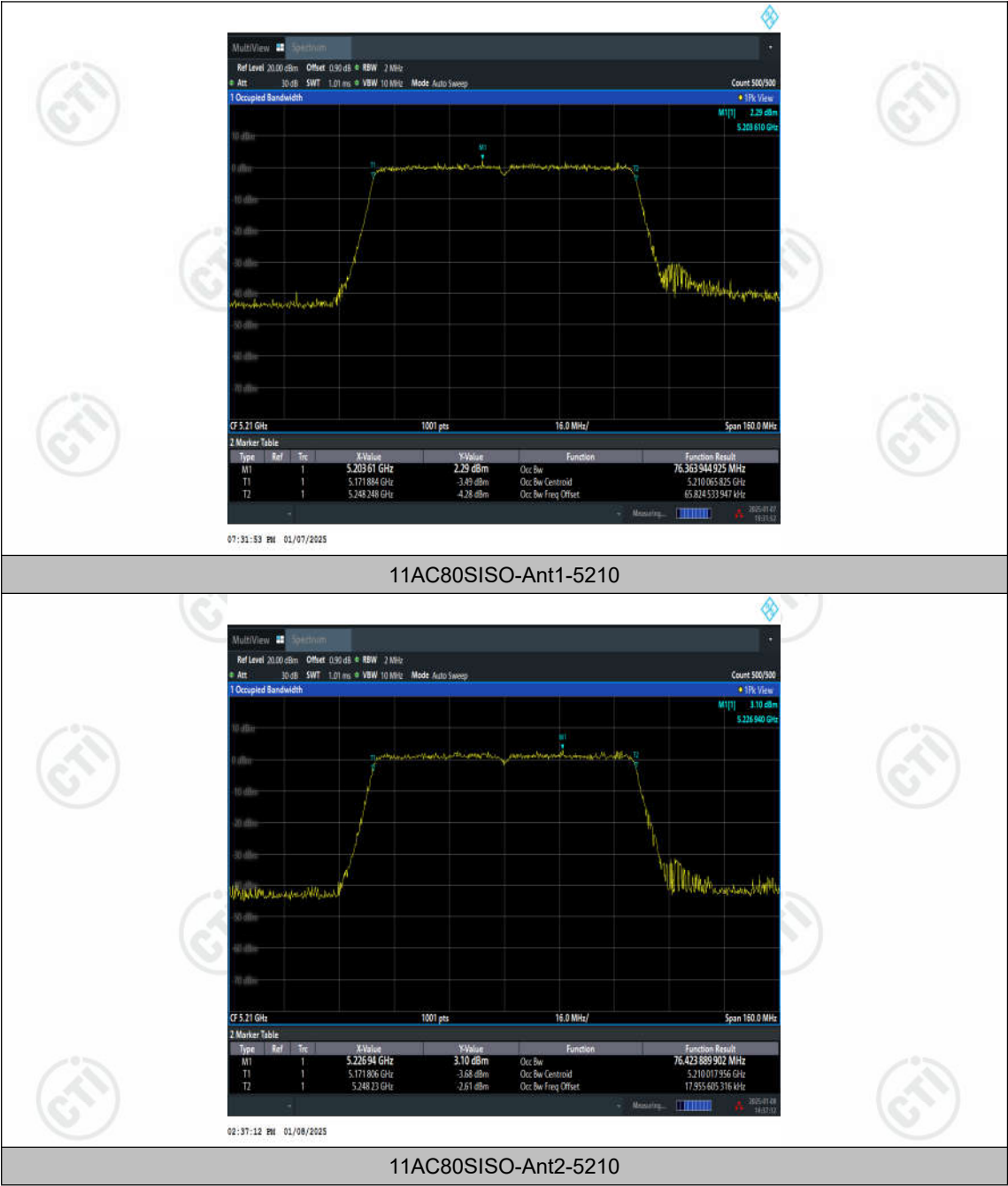
11AC40SISO-Ant1-5230

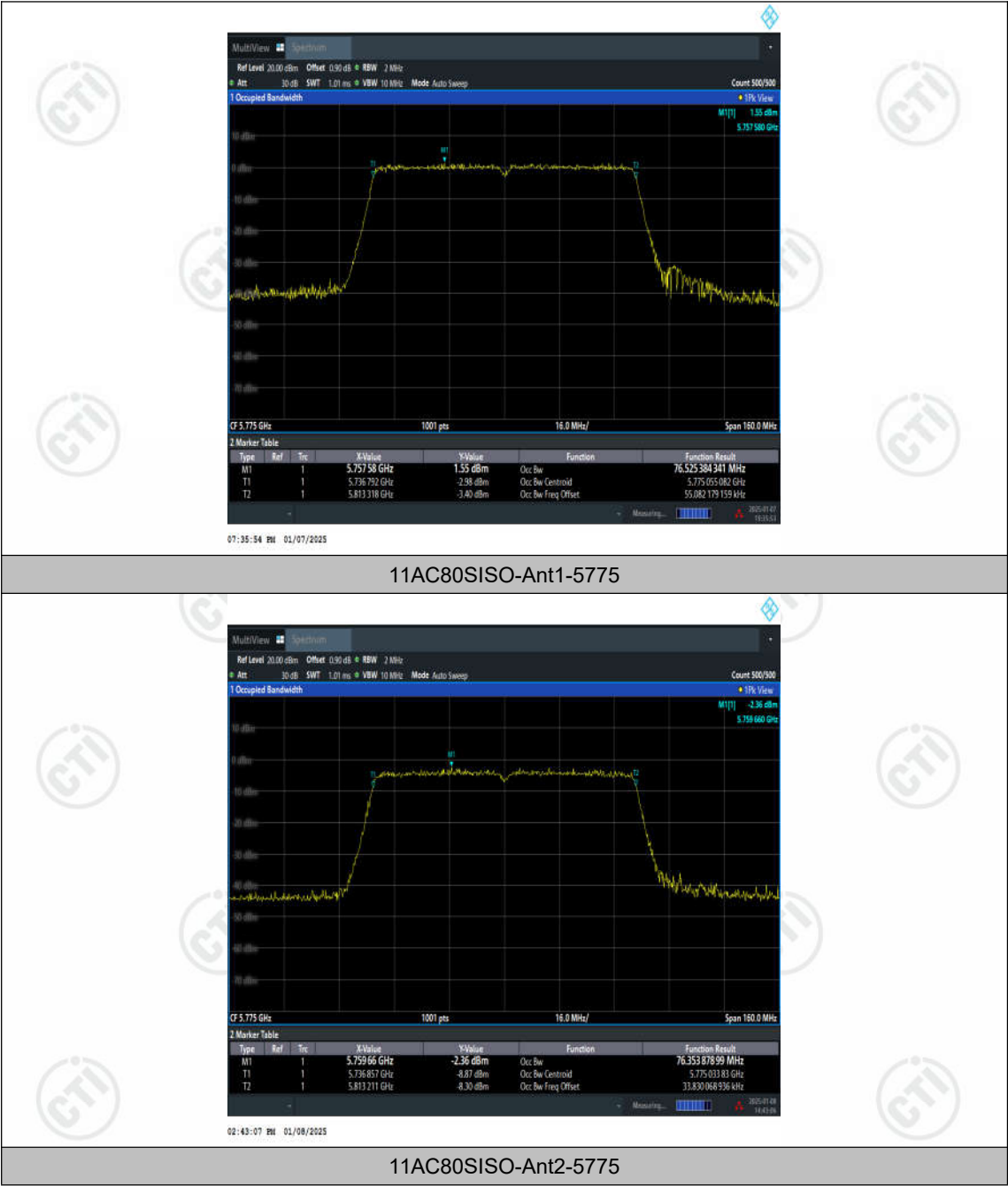


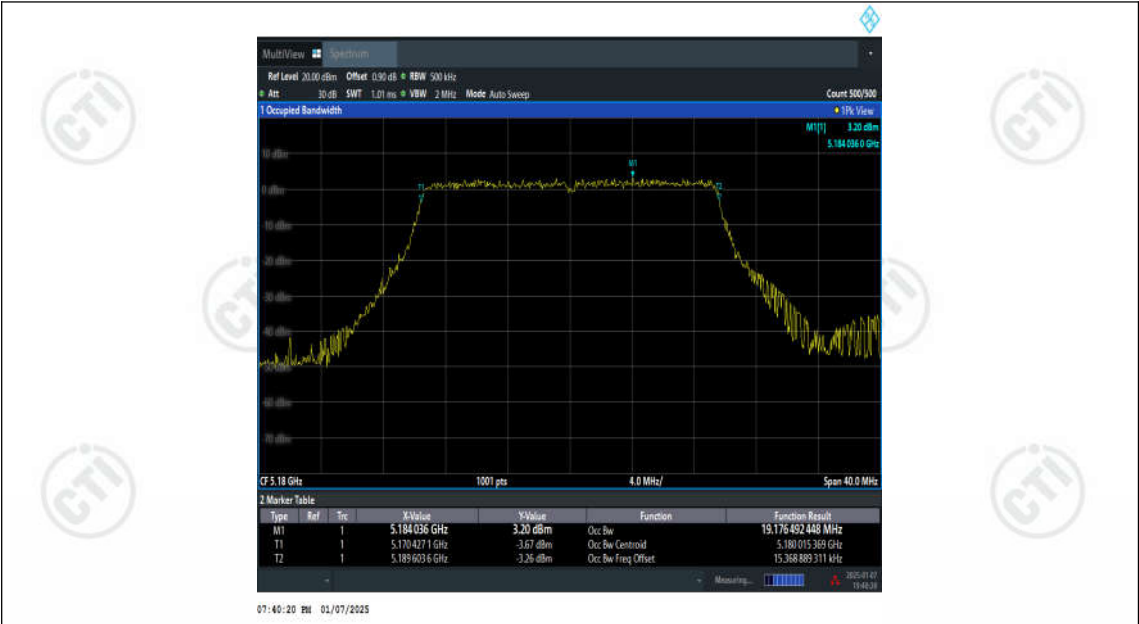
11AC40SISO-Ant2-5230



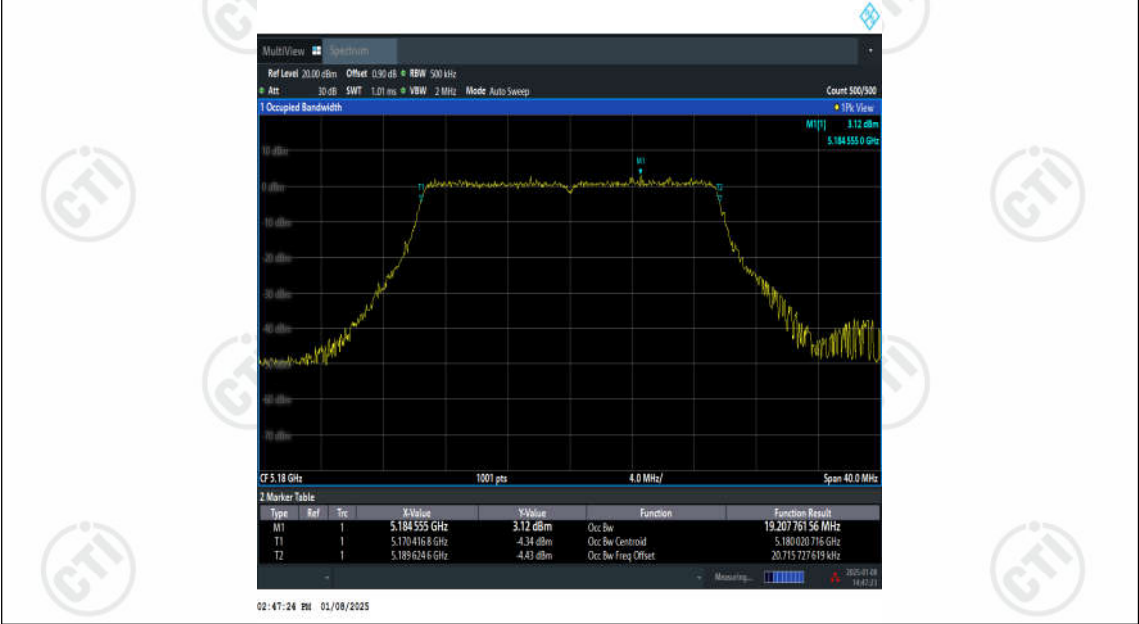




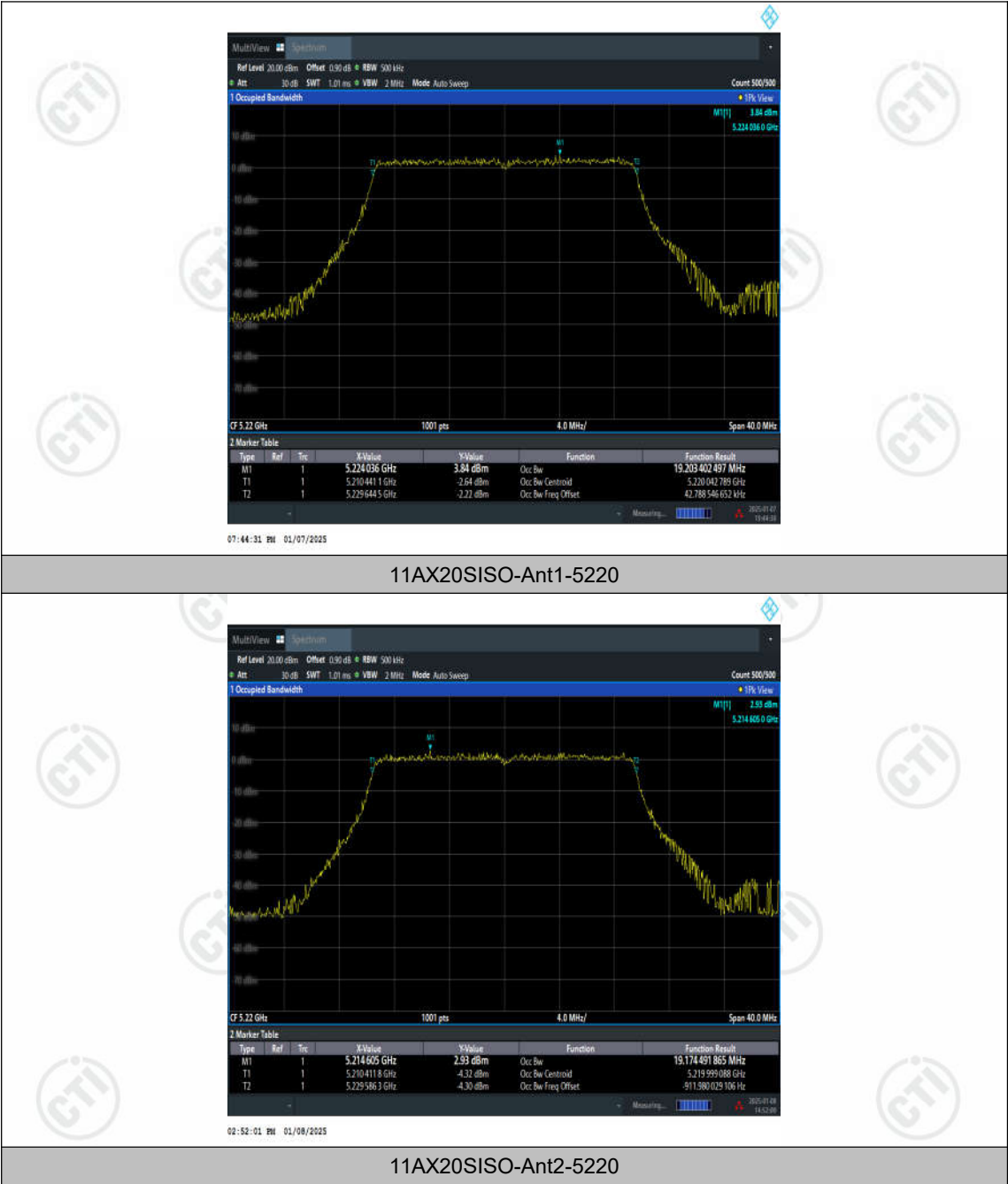


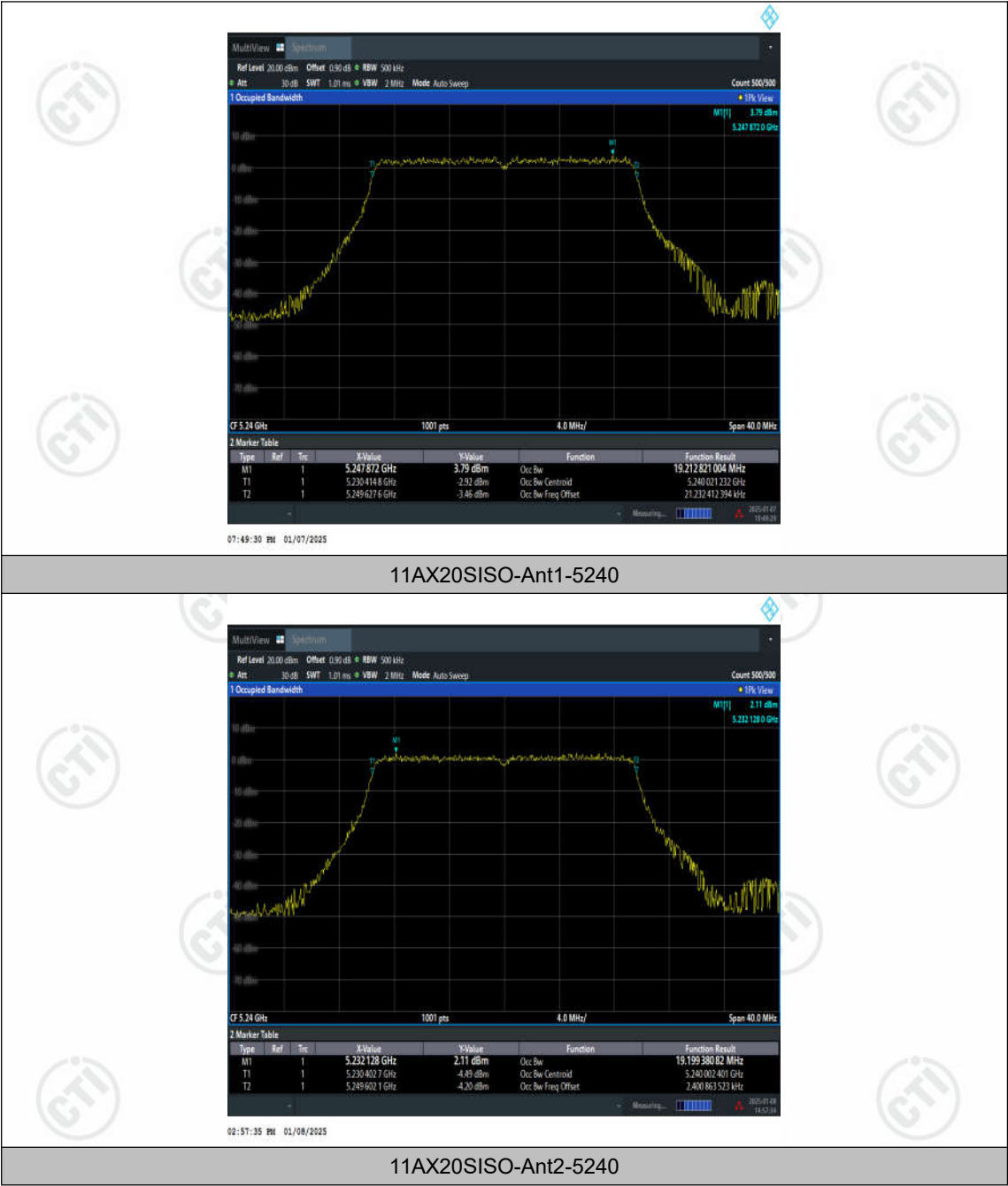


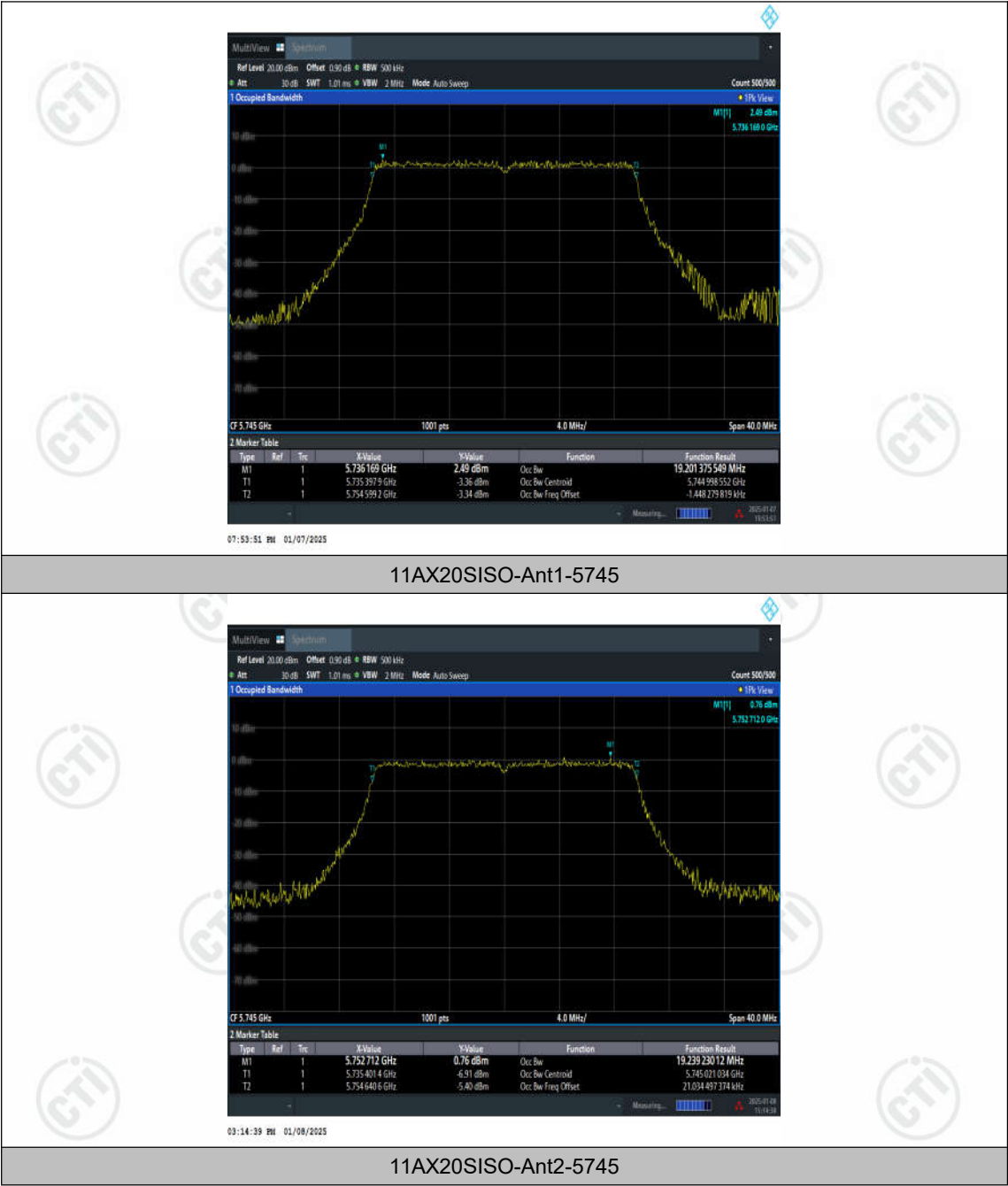
11AX20SISO-Ant1-5180

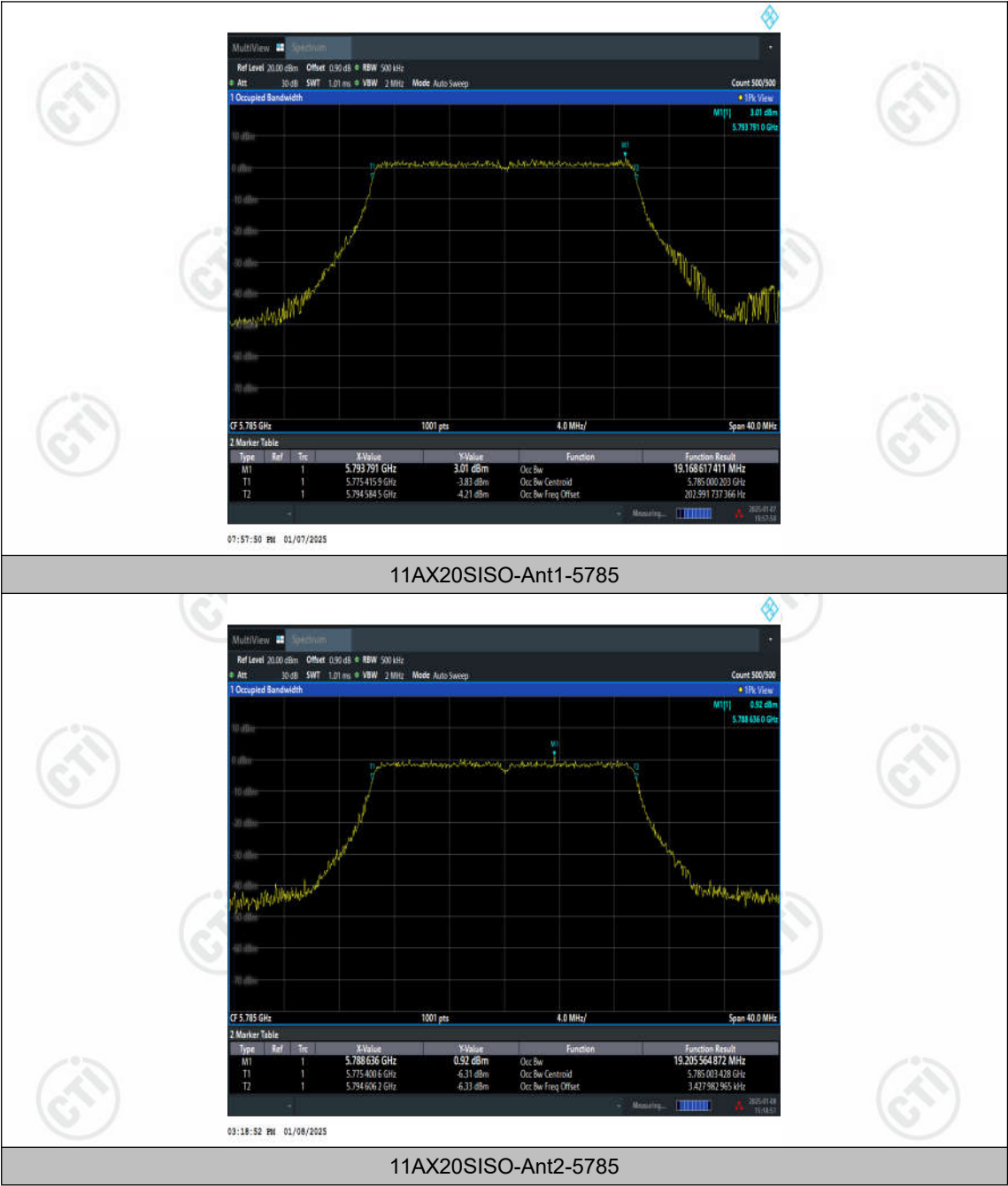


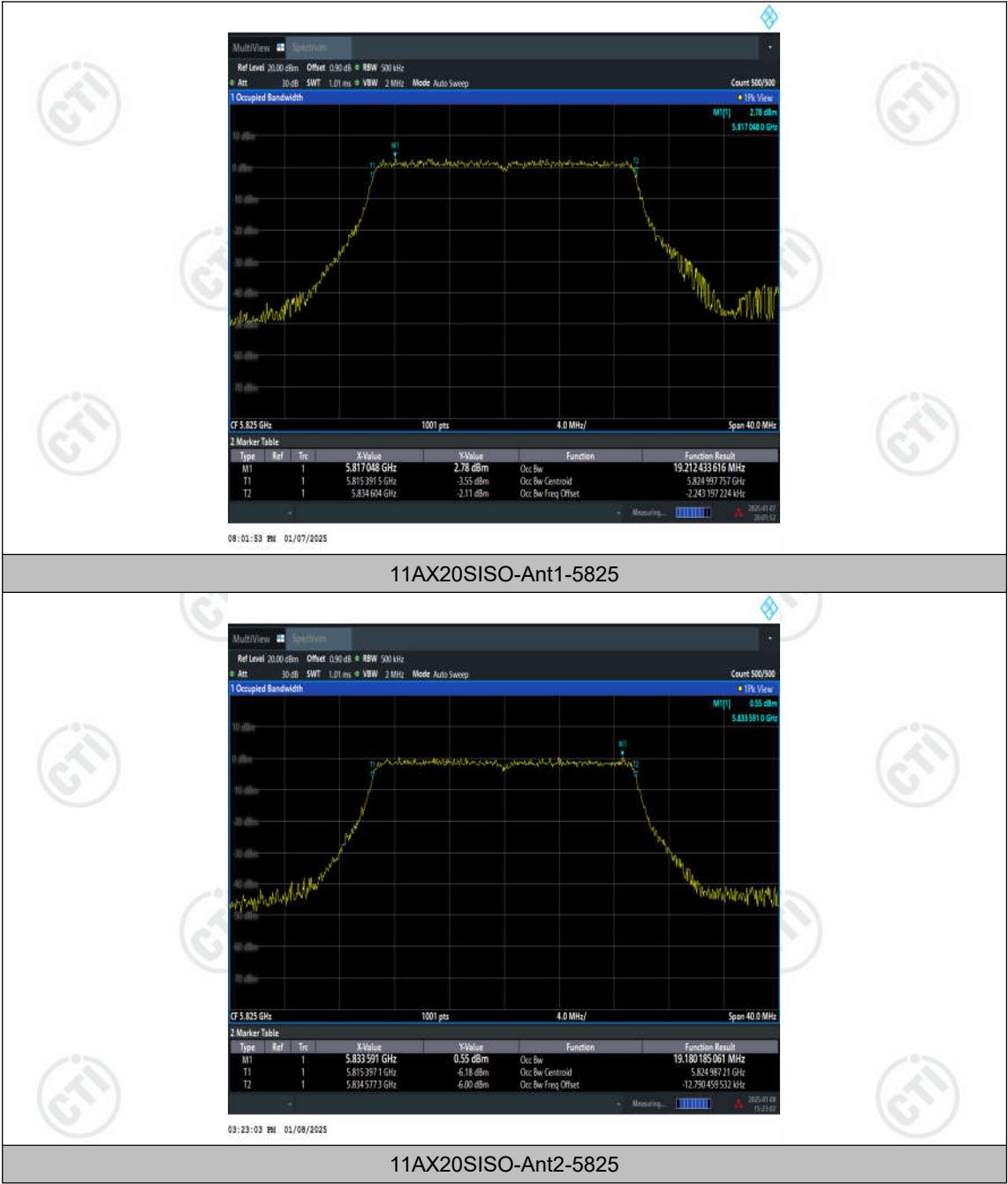
11AX20SISO-Ant2-5180

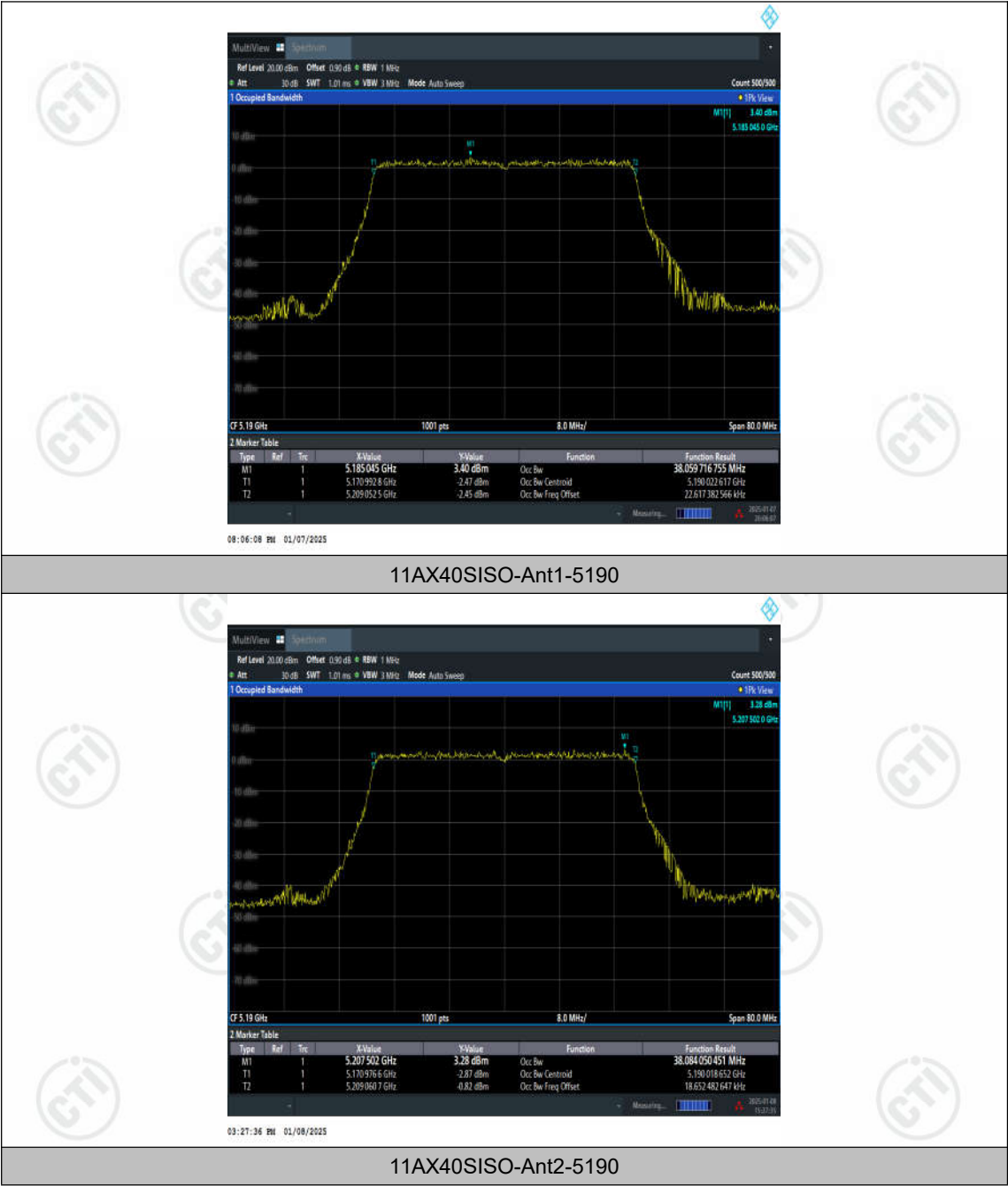


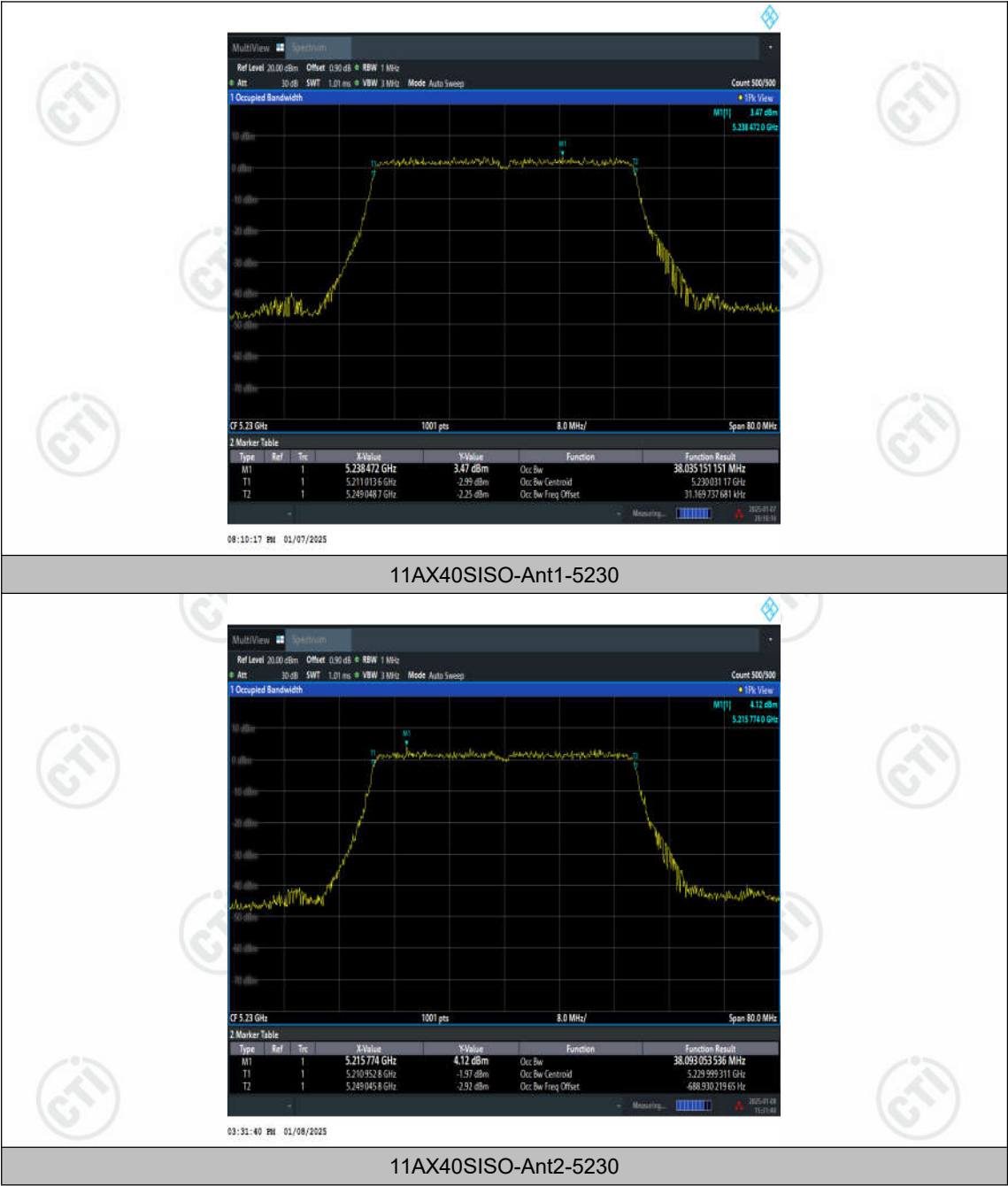






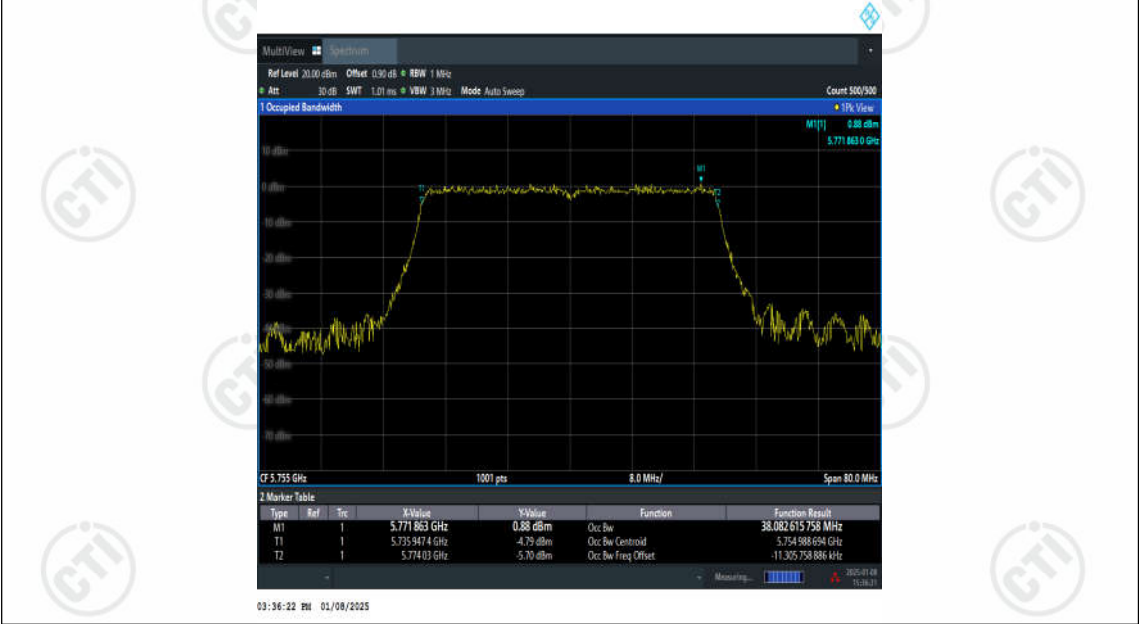








11AX40SISO-Ant1-5755



11AX40SISO-Ant2-5755

