

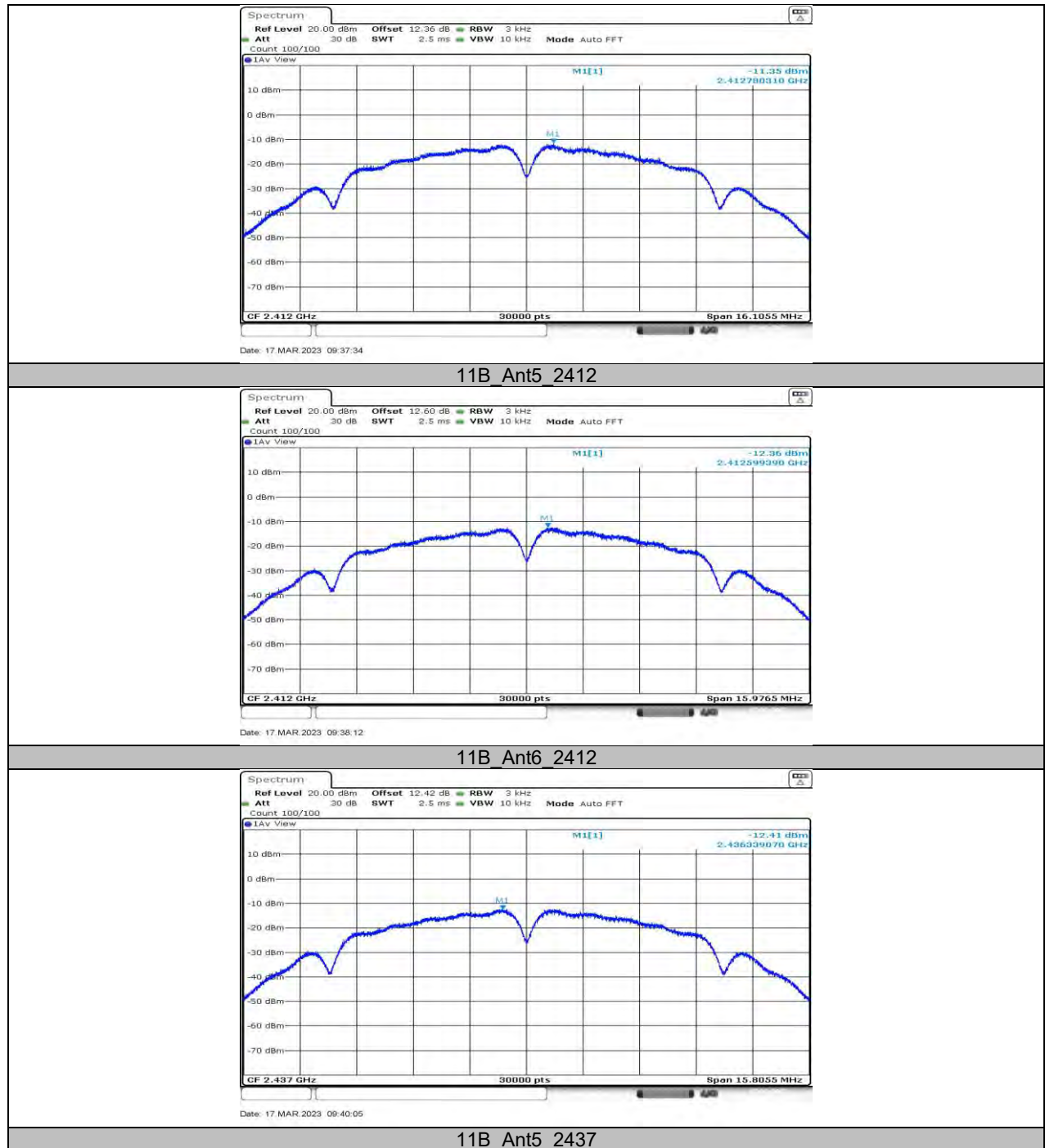
11.4. APPENDIX D: MAXIMUM POWER SPECTRAL DENSITY

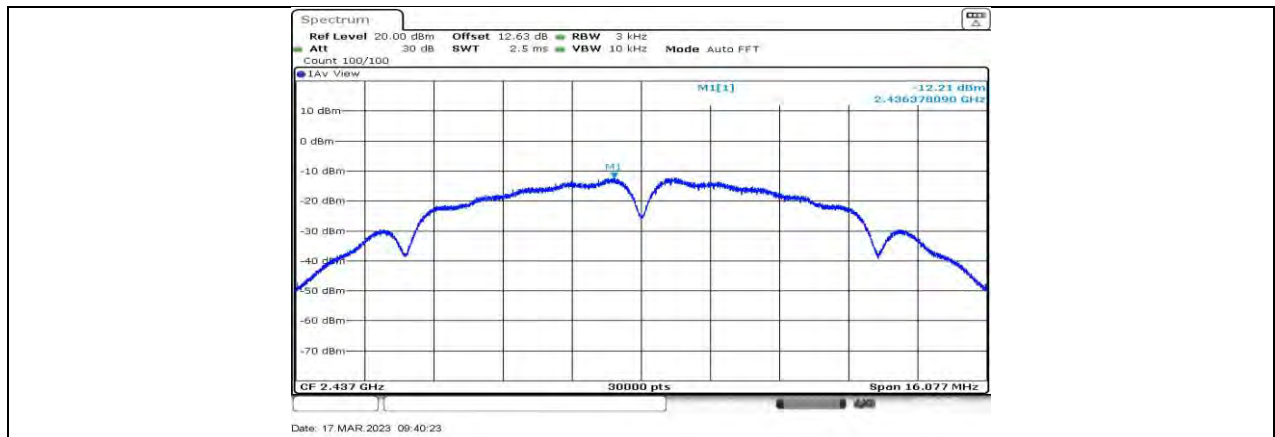
11.4.1. Test Result

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant5	2412	-11.35	≤8.00	PASS
	Ant6	2412	-12.36	≤8.00	PASS
	total	2412	-8.82	≤8.00	PASS
	Ant5	2437	-12.41	≤8.00	PASS
	Ant6	2437	-12.21	≤8.00	PASS
	total	2437	-9.30	≤8.00	PASS
	Ant5	2462	-12.44	≤8.00	PASS
	Ant6	2462	-11.95	≤8.00	PASS
11G	total	2462	-9.18	≤8.00	PASS
	Ant5	2412	-8.72	≤8.00	PASS
	Ant6	2412	-8.99	≤8.00	PASS
	total	2412	-5.84	≤8.00	PASS
	Ant5	2437	-8.56	≤8.00	PASS
	Ant6	2437	-9.07	≤8.00	PASS
	total	2437	-5.80	≤8.00	PASS
	Ant5	2462	-8.86	≤8.00	PASS
11N20	Ant6	2462	-8.97	≤8.00	PASS
	total	2462	-5.90	≤8.00	PASS
	Ant5	2412	-10.12	≤8.00	PASS
	Ant6	2412	-10.73	≤8.00	PASS
	total	2412	-7.40	≤8.00	PASS
	Ant5	2437	-9.91	≤8.00	PASS
	Ant6	2437	-10.41	≤8.00	PASS
	total	2437	-7.14	≤8.00	PASS
11N40	Ant5	2462	-10.07	≤8.00	PASS
	Ant6	2462	-10.44	≤8.00	PASS
	total	2462	-7.24	≤8.00	PASS
	Ant5	2422	-14.24	≤8.00	PASS
	Ant6	2422	-14.49	≤8.00	PASS
	total	2422	-11.35	≤8.00	PASS
	Ant5	2437	-14.06	≤8.00	PASS
	Ant6	2437	-14.69	≤8.00	PASS
11AX20	total	2437	-11.35	≤8.00	PASS
	Ant5	2452	-14.01	≤8.00	PASS
	Ant6	2452	-14.47	≤8.00	PASS
	total	2452	-11.22	≤8.00	PASS
	Ant5	2412	-13.08	≤8.00	PASS
	Ant6	2412	-12.95	≤8.00	PASS
	total	2412	-10.00	≤8.00	PASS
	Ant5	2437	-12.99	≤8.00	PASS
11AX40	Ant6	2437	-12.56	≤8.00	PASS
	total	2437	-9.76	≤8.00	PASS
	Ant5	2462	-13.78	≤8.00	PASS
	Ant6	2462	-12.7	≤8.00	PASS
	total	2462	-10.20	≤8.00	PASS
	Ant5	2422	-15.46	≤8.00	PASS
	Ant6	2422	-15.97	≤8.00	PASS
	total	2422	-12.70	≤8.00	PASS
11AX20	Ant5	2437	-15.11	≤8.00	PASS
	Ant6	2437	-15.74	≤8.00	PASS
	total	2437	-12.40	≤8.00	PASS
	Ant5	2452	-15.12	≤8.00	PASS
	Ant6	2452	-15.76	≤8.00	PASS
	total	2452	-12.42	≤8.00	PASS
	Ant5	2412	-13.08	≤8.00	PASS
	Ant6	2412	-12.95	≤8.00	PASS

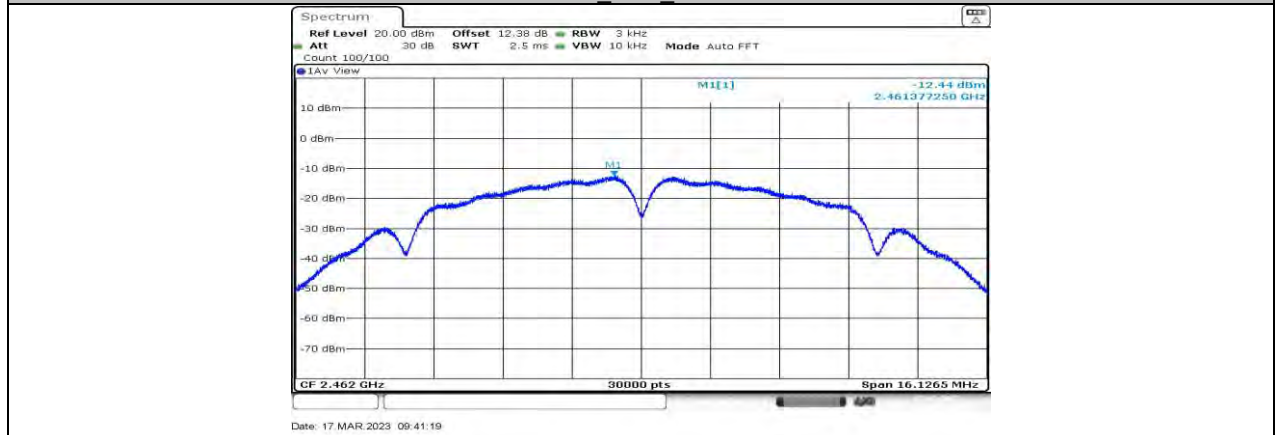
Note: All the modes had been tested, but only the worst data was recorded in the report.

11.4.2. Test Graphs

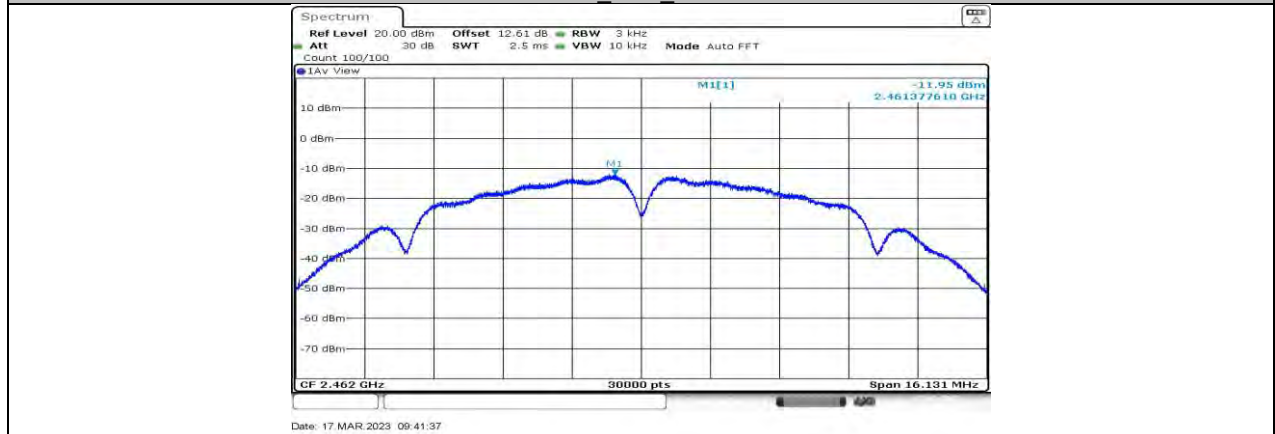




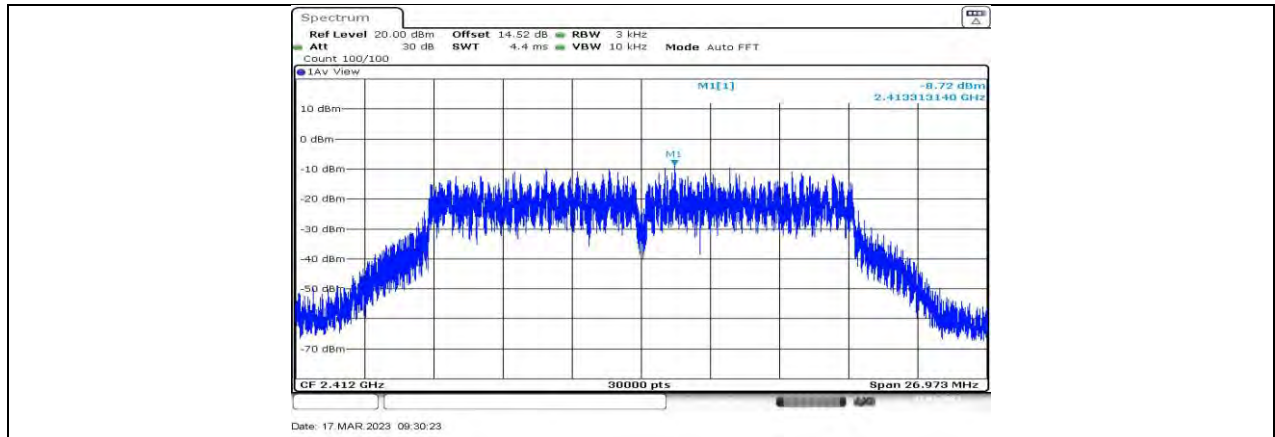
11B_Ant6_2437



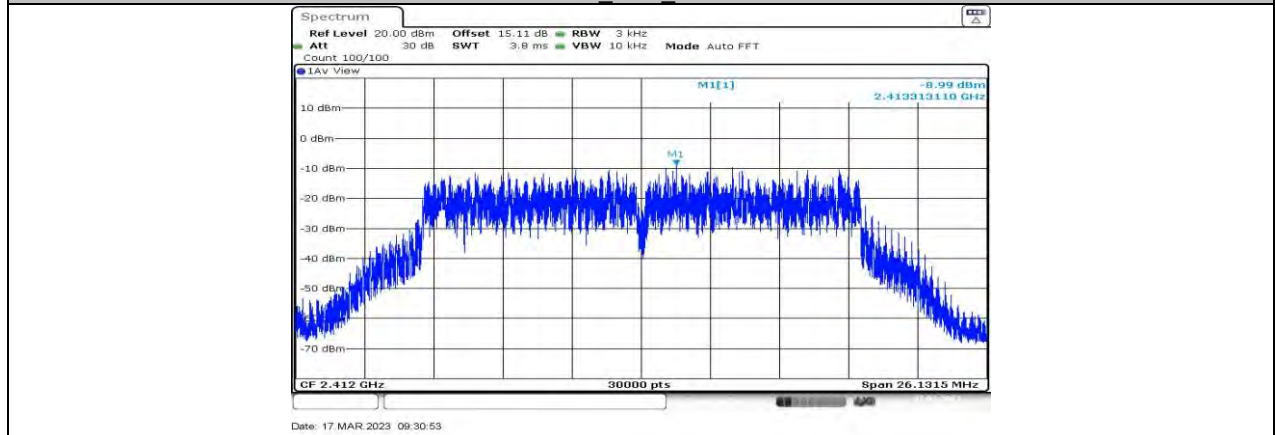
11B_Ant5_2462



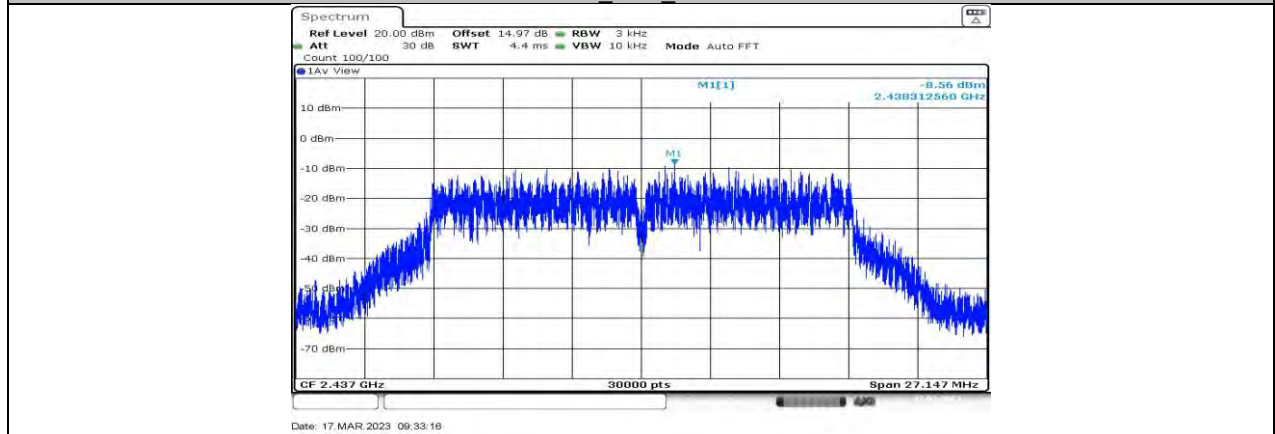
11B_Ant6_2462



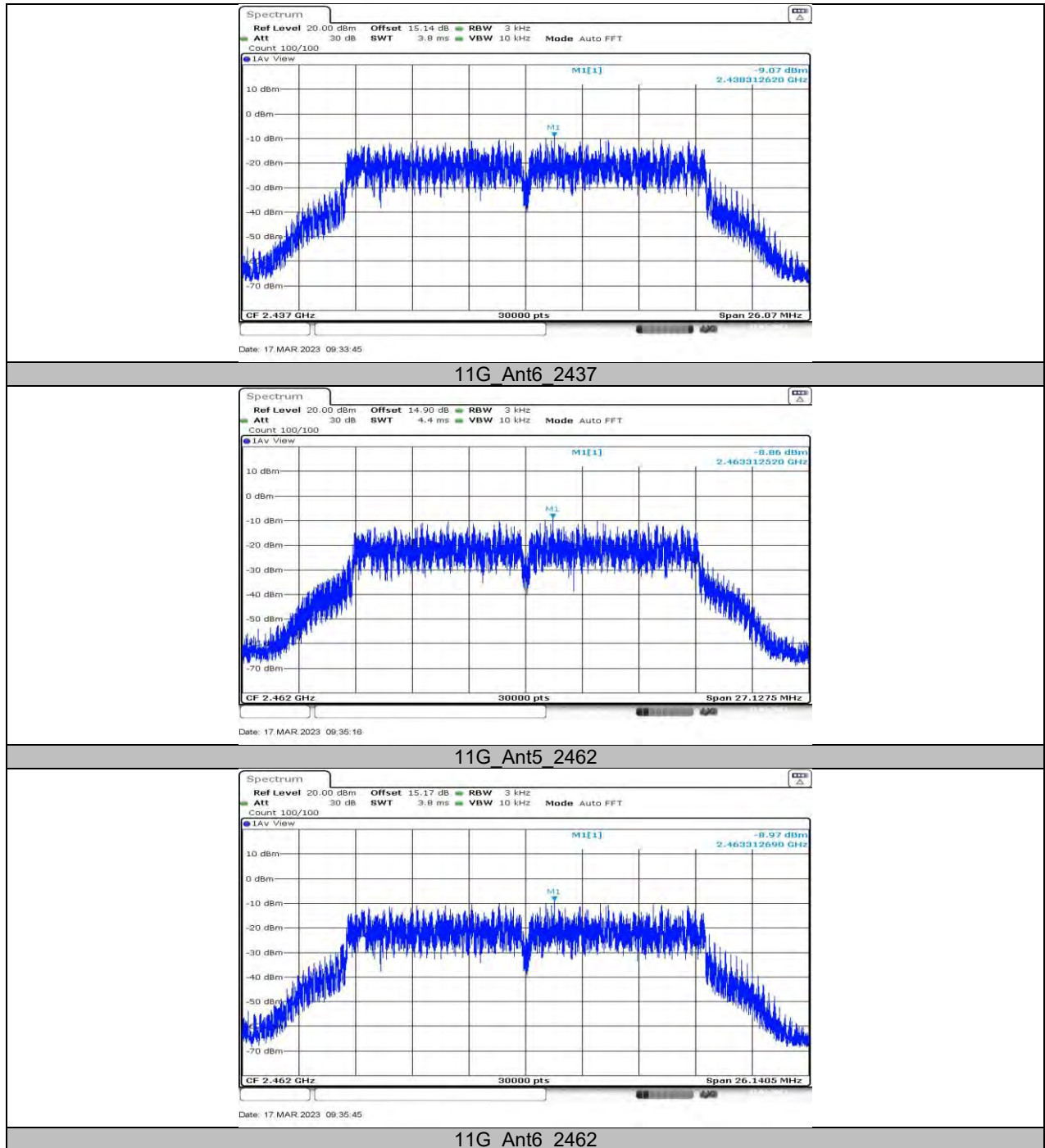
11G_Ant5_2412

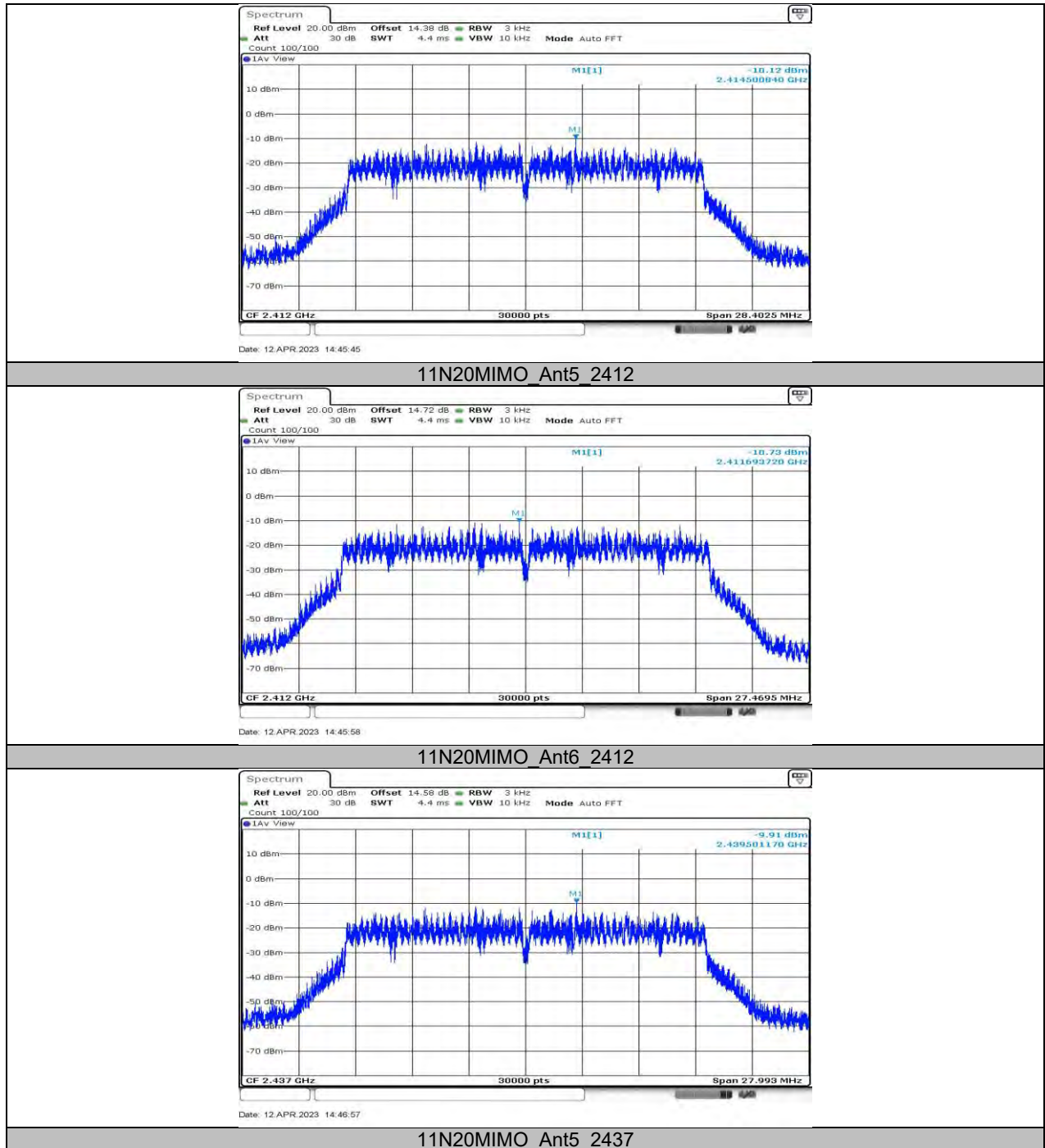


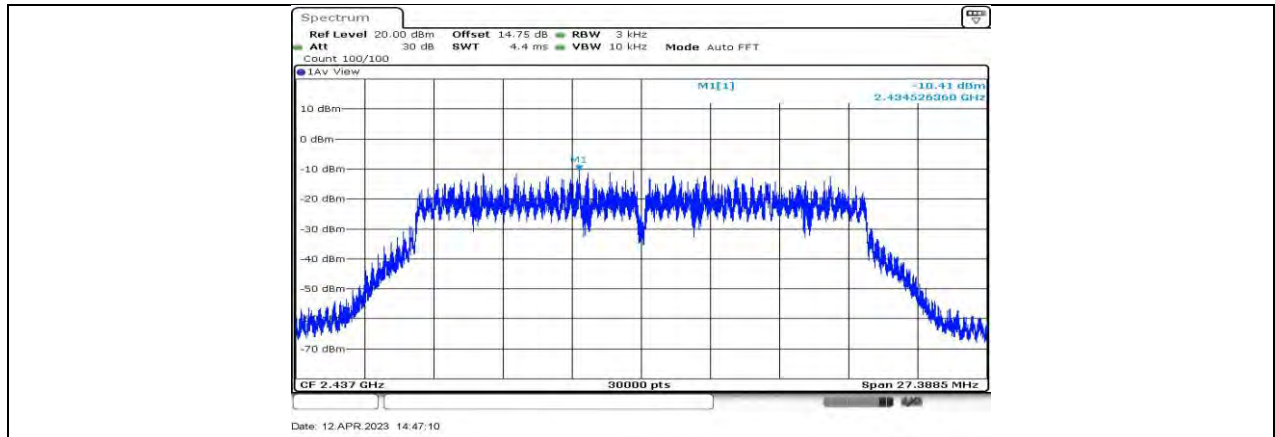
11G_Ant6_2412



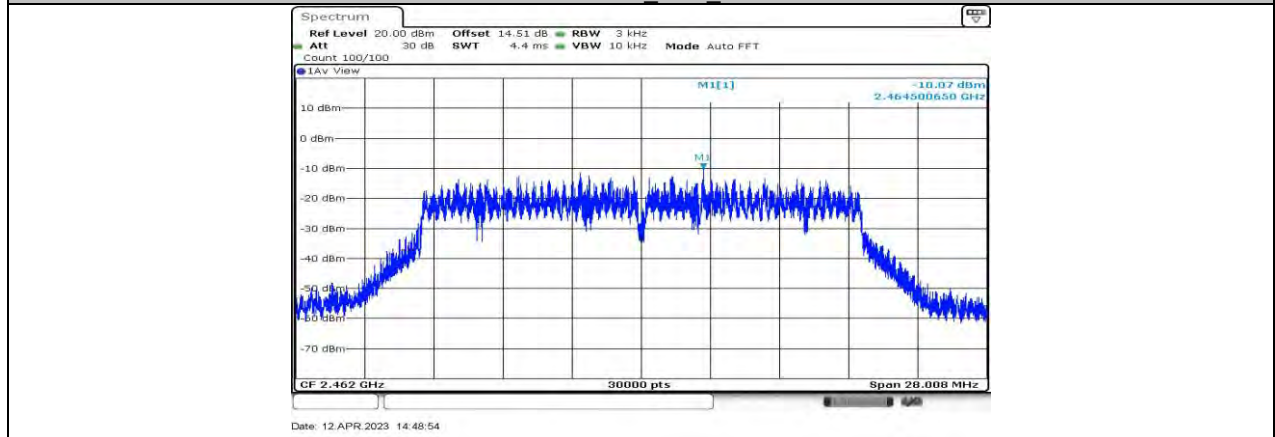
11G_Ant5_2437



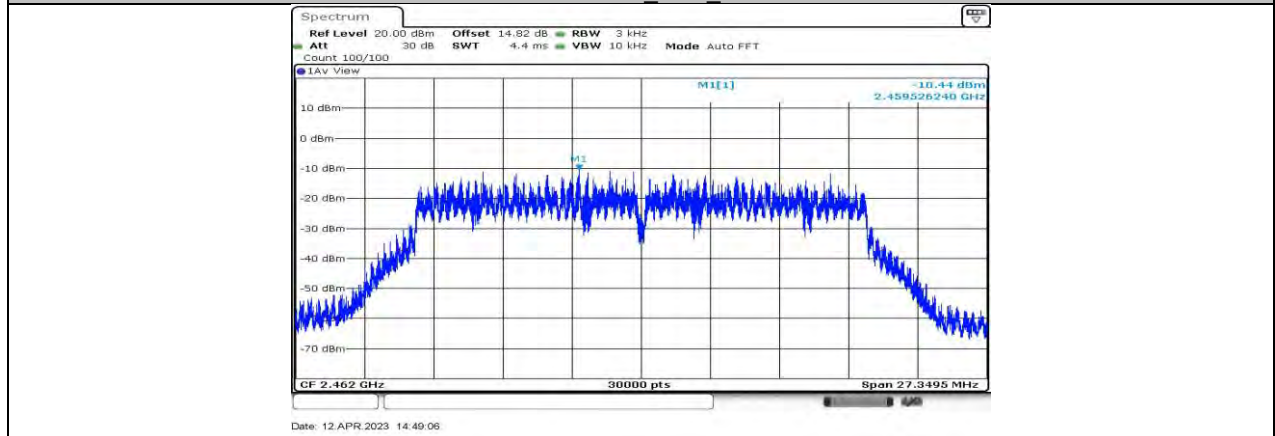




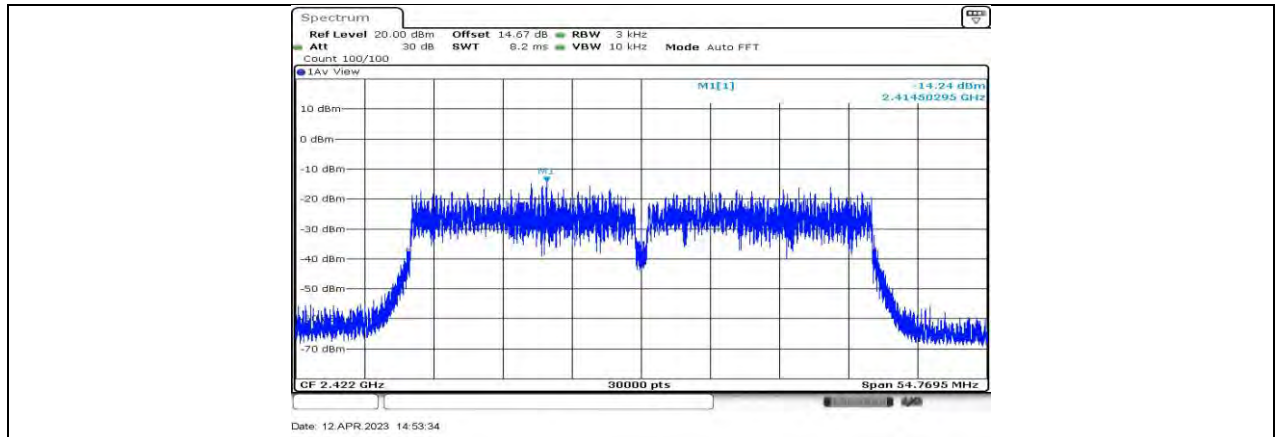
11N20MIMO_Ant6_2437



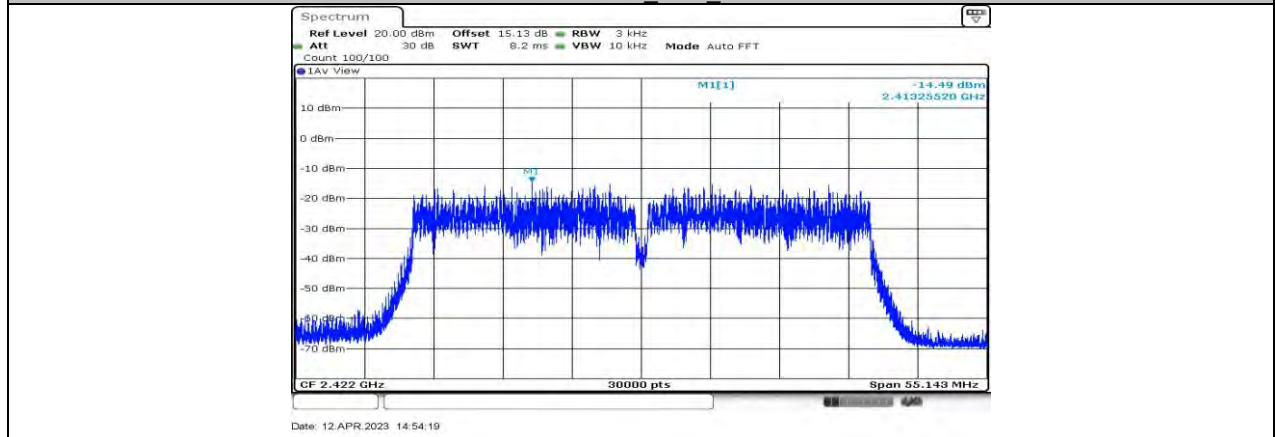
11N20MIMO_Ant5_2462



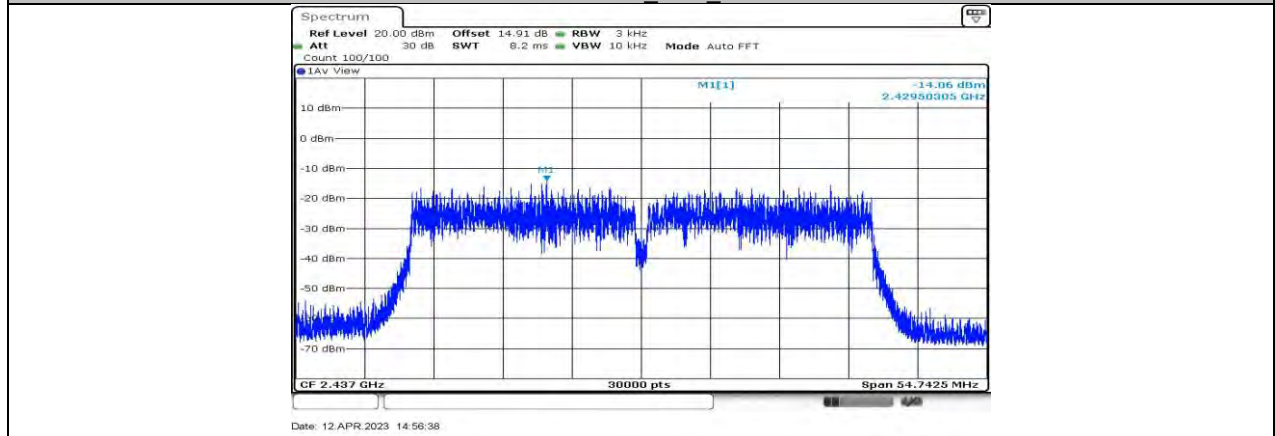
11N20MIMO_Ant6_2462



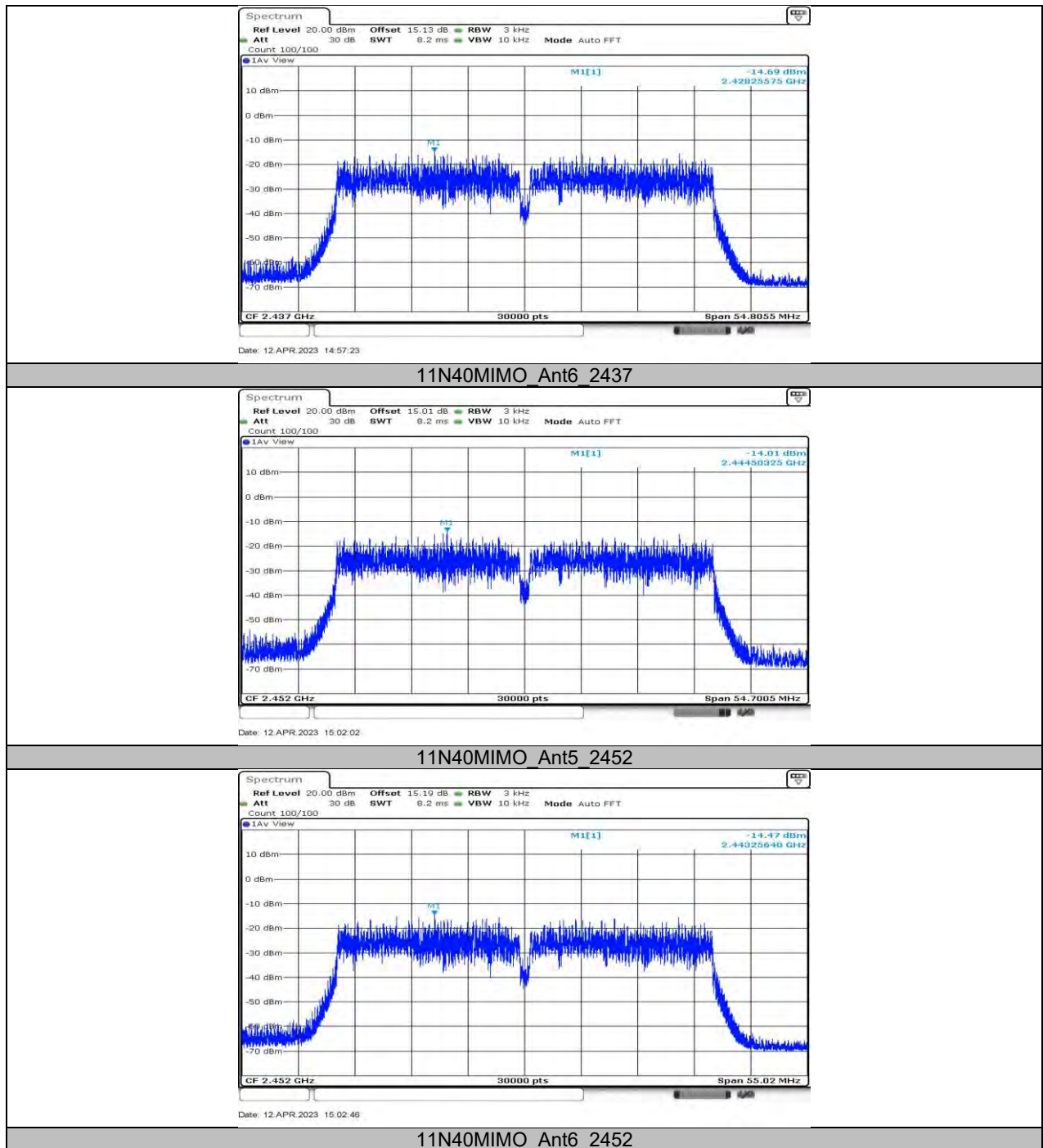
11N40MIMO_Ant5_2422

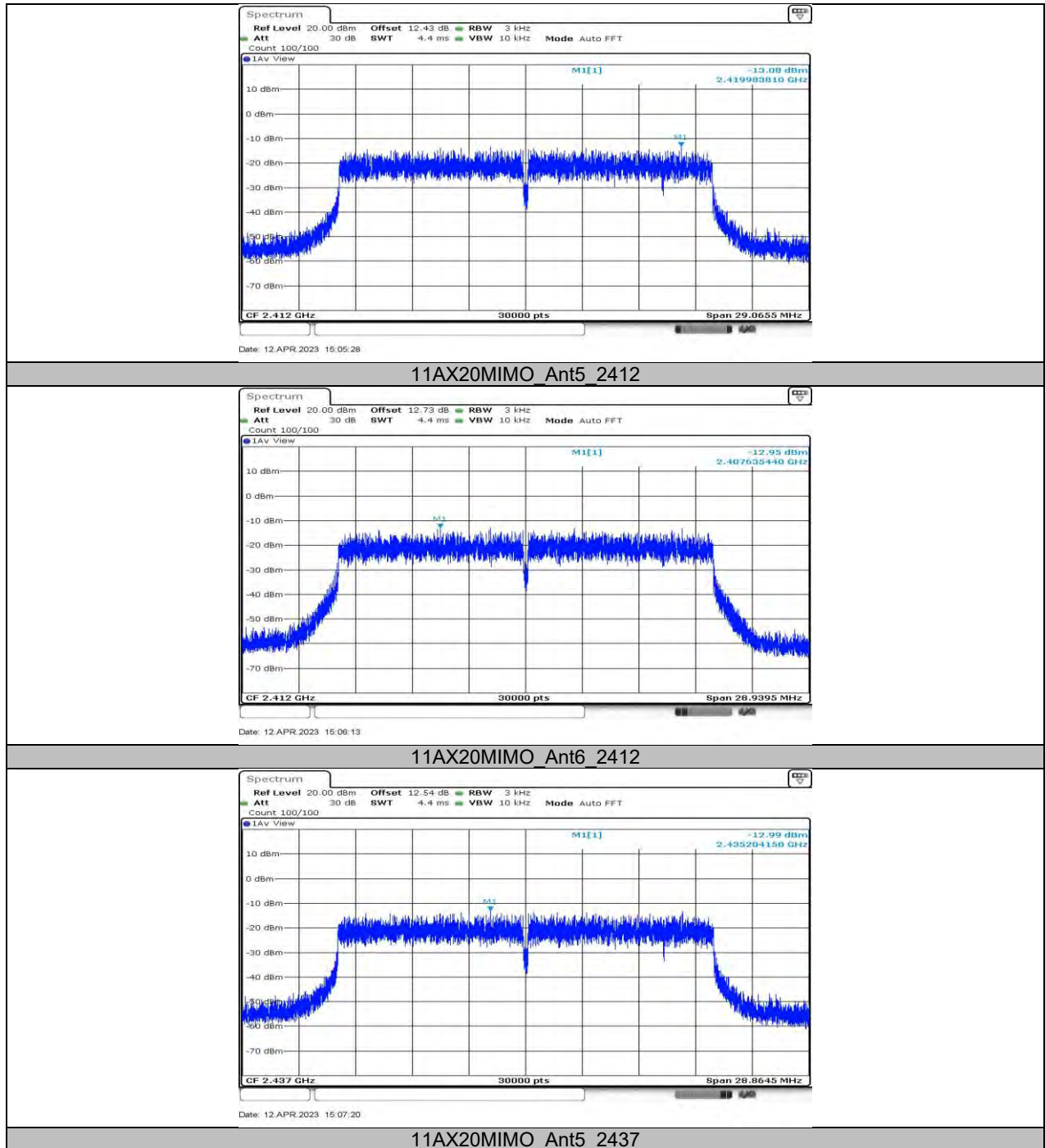


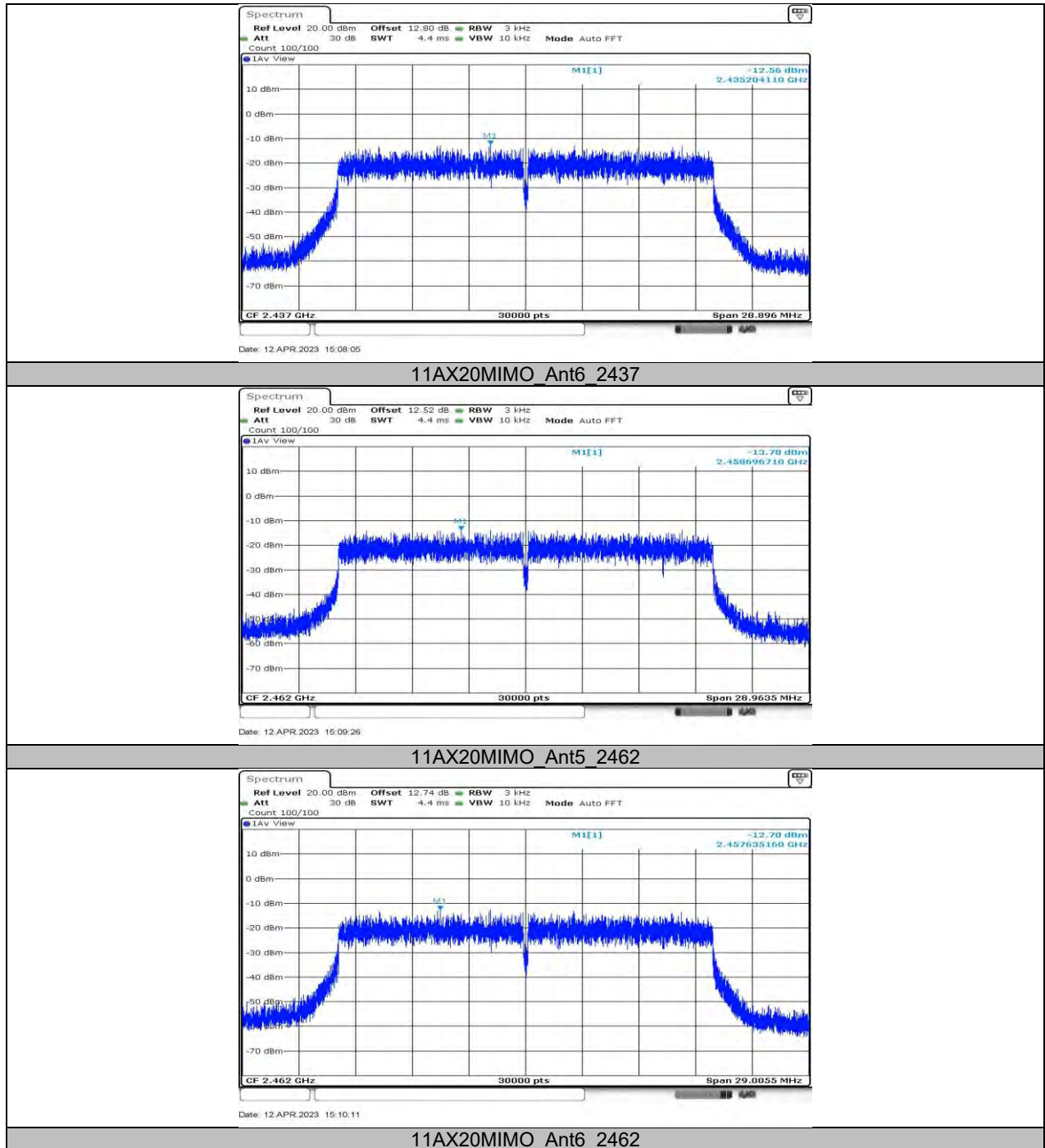
11N40MIMO_Ant6_2422

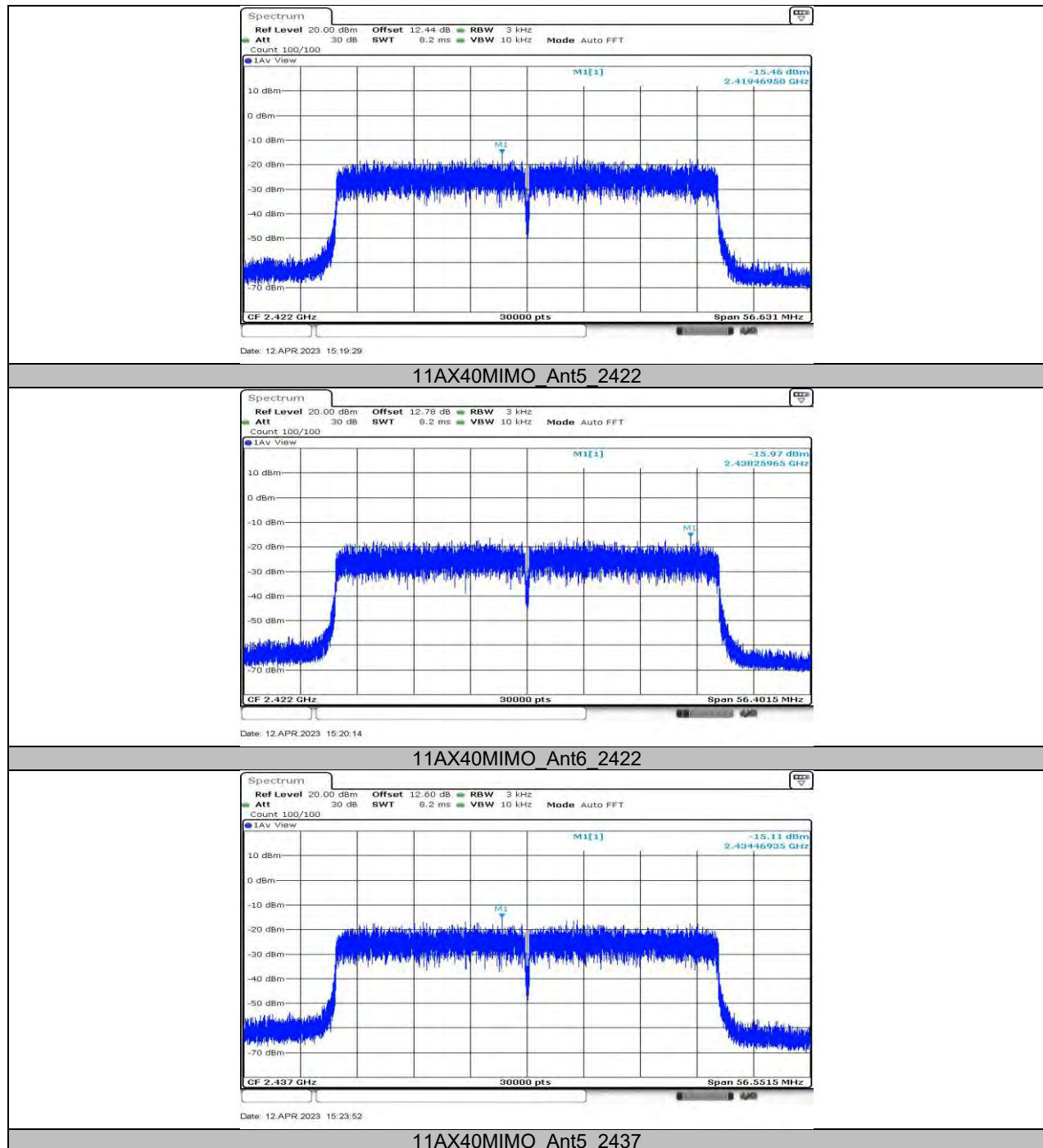


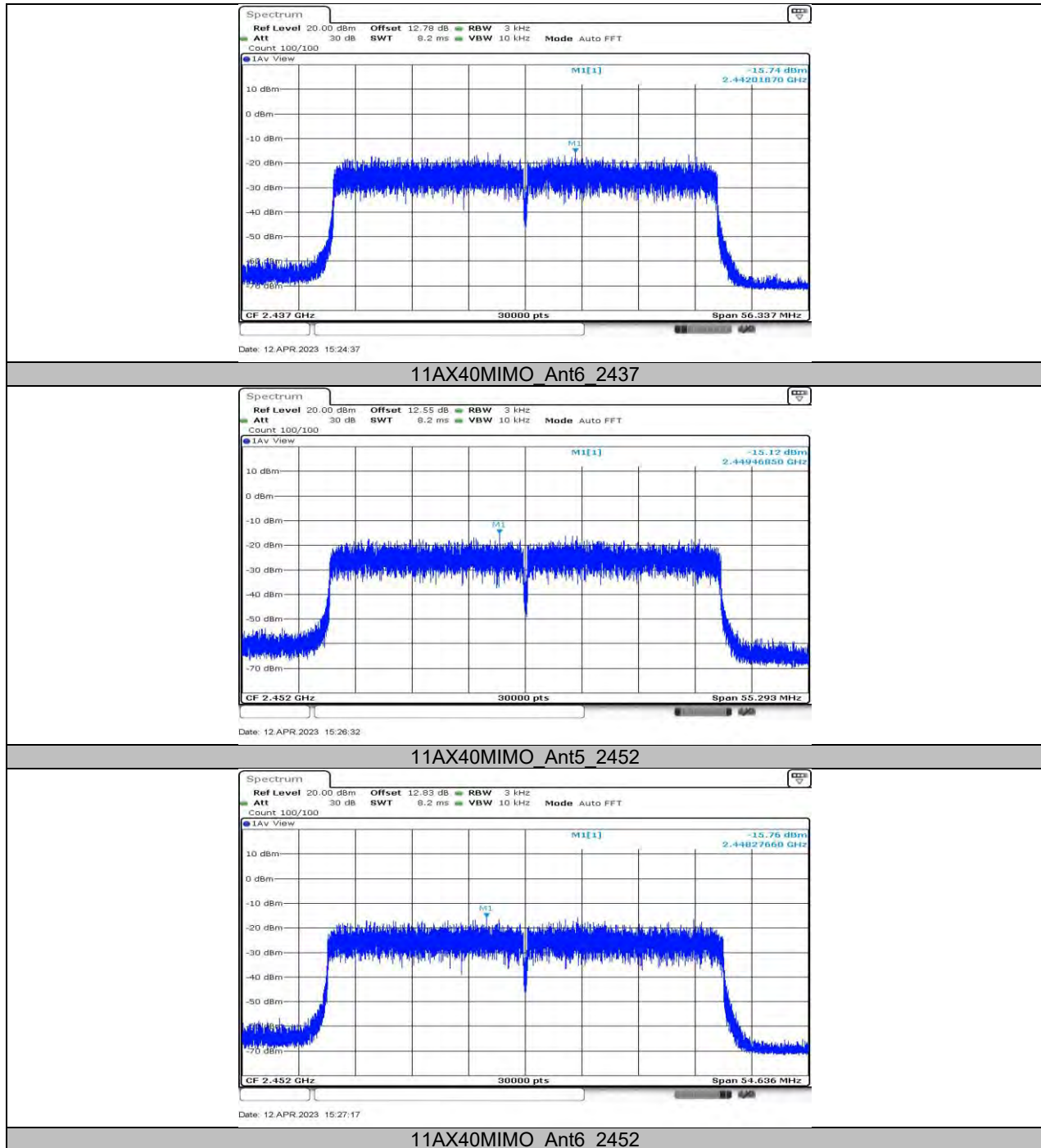
11N40MIMO_Ant5_2437











Note: All the modes had been tested, but only the worst data was recorded in the report.

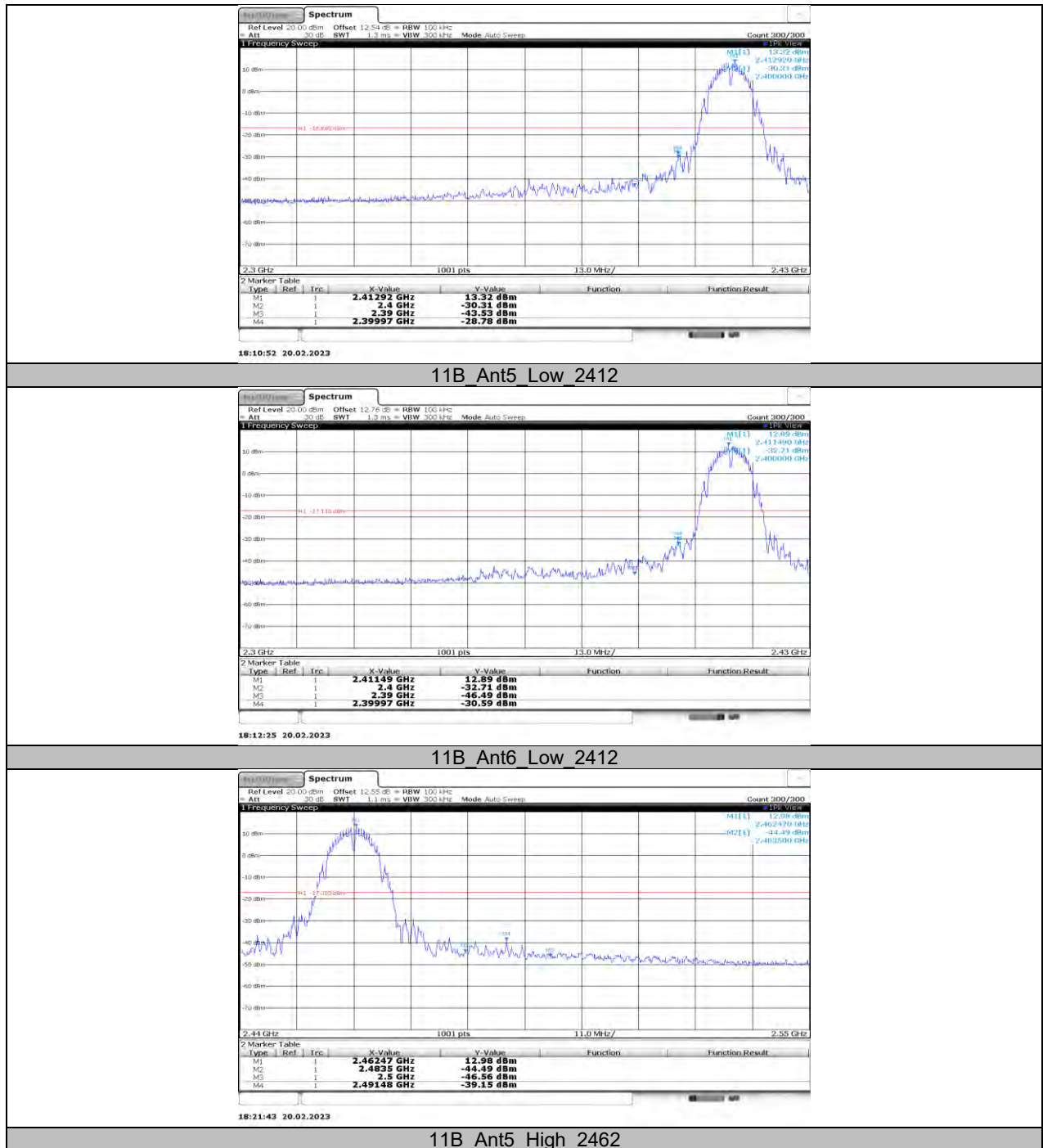
11.5. APPENDIX E: BAND EDGE MEASUREMENTS

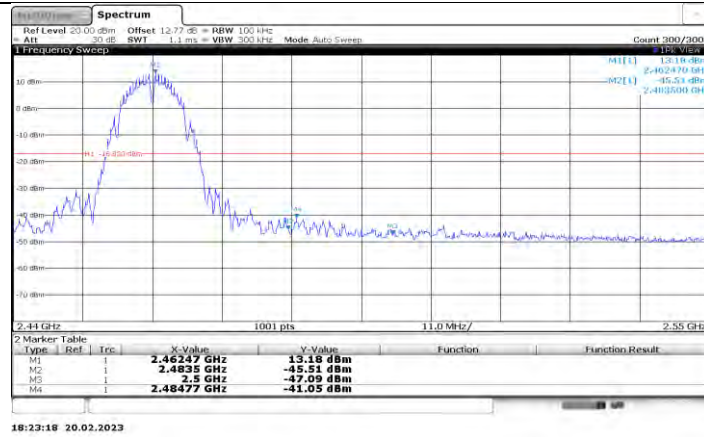
11.5.1. Test Result

Test Mode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant5	Low	2412	13.32	-28.78	≤-16.68	PASS
	Ant6	Low	2412	12.89	-30.59	≤-17.11	PASS
	Ant5	High	2462	12.98	-39.15	≤-17.02	PASS
	Ant6	High	2462	13.18	-41.05	≤-16.82	PASS
11G	Ant5	Low	2412	6.74	-24.39	≤-23.26	PASS
	Ant6	Low	2412	6.43	-29.12	≤-23.57	PASS
	Ant5	High	2462	6.90	-35.5	≤-23.1	PASS
	Ant6	High	2462	6.72	-39.26	≤-23.28	PASS
11N20	Ant5	Low	2412	5.60	-26.72	≤-24.4	PASS
	Ant6	Low	2412	5.34	-28.18	≤-24.66	PASS
	Ant5	High	2462	5.65	-34.44	≤-24.35	PASS
	Ant6	High	2462	5.66	-33.17	≤-24.34	PASS
11N40	Ant5	Low	2422	1.37	-29.29	≤-28.63	PASS
	Ant6	Low	2422	1.50	-35.12	≤-28.5	PASS
	Ant5	High	2452	1.86	-34.62	≤-28.14	PASS
	Ant6	High	2452	2.37	-41.43	≤-27.63	PASS
11AX20	Ant5	Low	2412	5.50	-26.19	≤-24.5	PASS
	Ant6	Low	2412	5.42	-27.52	≤-24.58	PASS
	Ant5	High	2462	5.64	-33.65	≤-24.36	PASS
	Ant6	High	2462	6.10	-36.08	≤-23.9	PASS
11AX40	Ant5	Low	2422	1.61	-28.62	≤-28.39	PASS
	Ant6	Low	2422	1.79	-33.92	≤-28.21	PASS
	Ant5	High	2452	1.83	-37.21	≤-28.17	PASS
	Ant6	High	2452	2.52	-42	≤-27.48	PASS

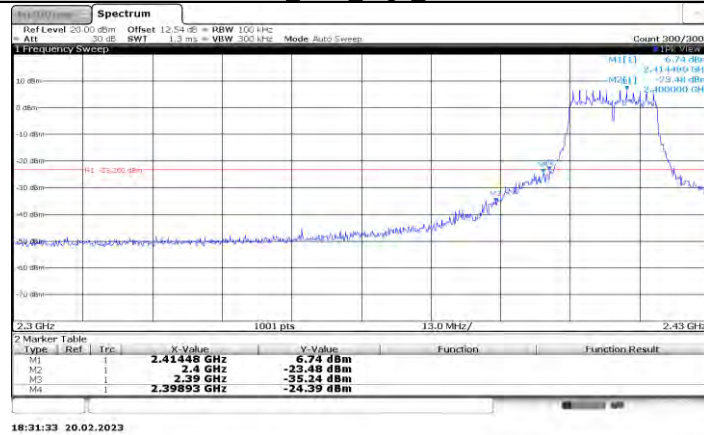
Note: All the modes had been tested, but only the worst data was recorded in the report.

11.5.2. Test Graphs

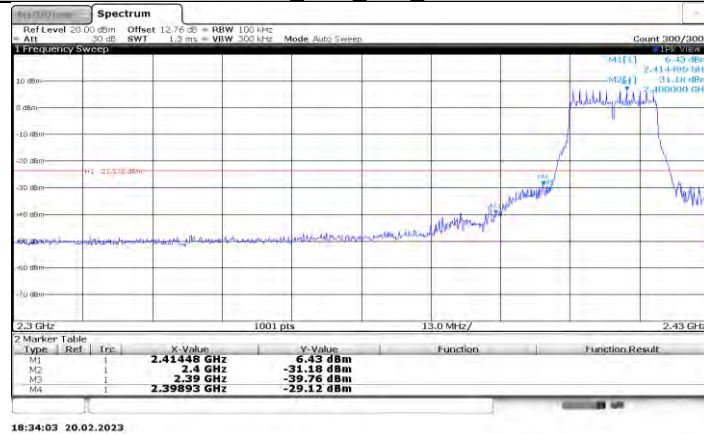




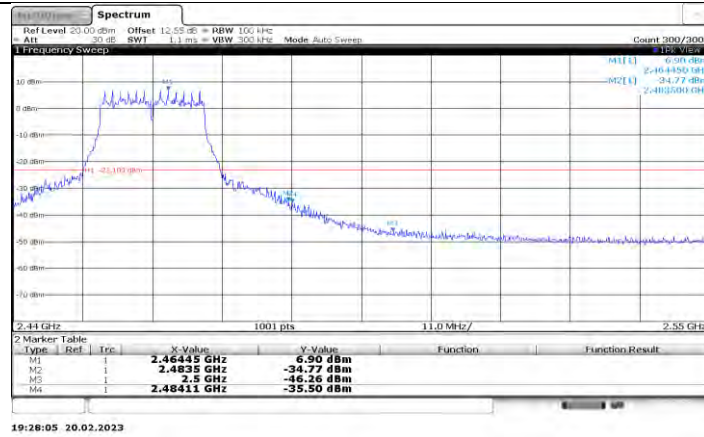
11B Ant6 High 2462



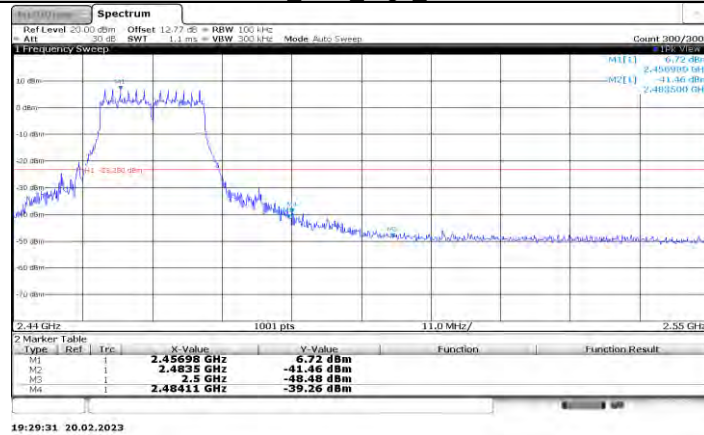
11G Ant5 Low 2412



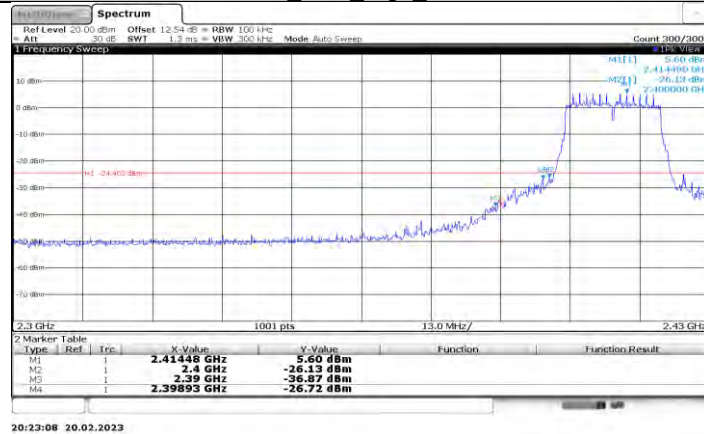
11G Ant6 Low 2412



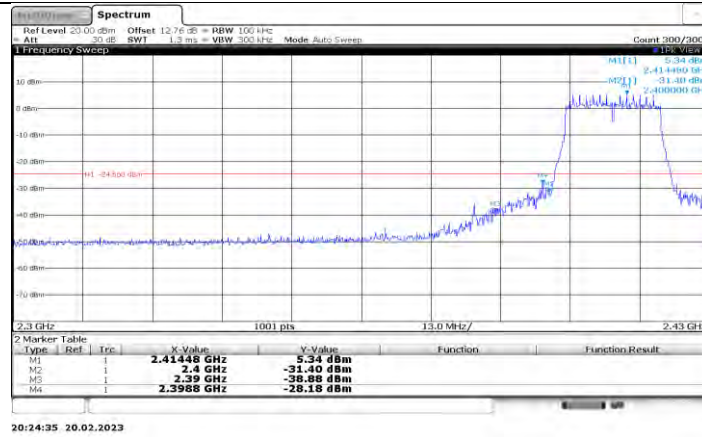
11G Ant5_High_2462



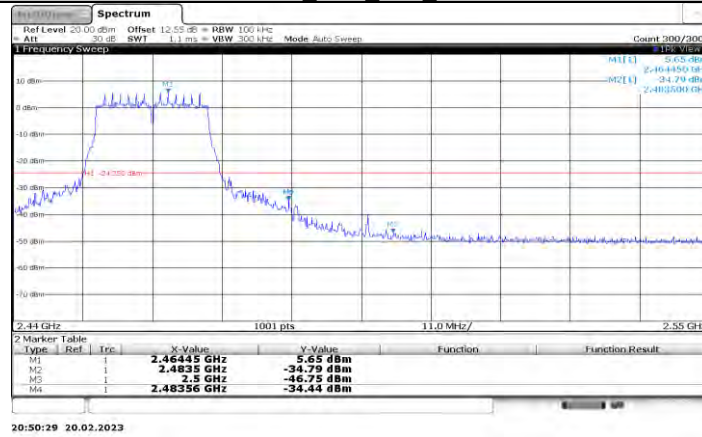
11G Ant6_High_2462



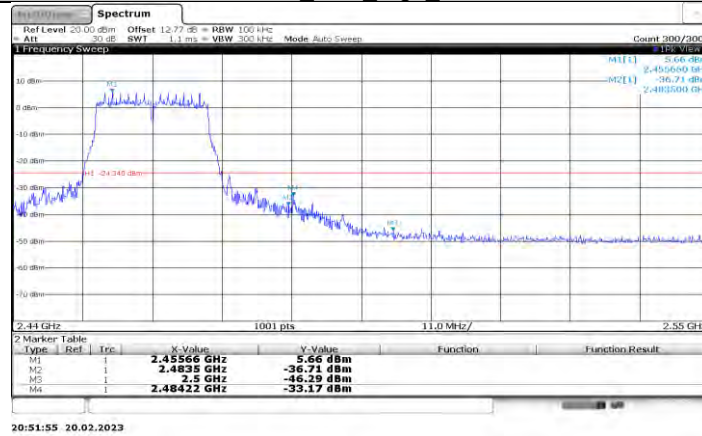
11N20_Ant5_Low_2412



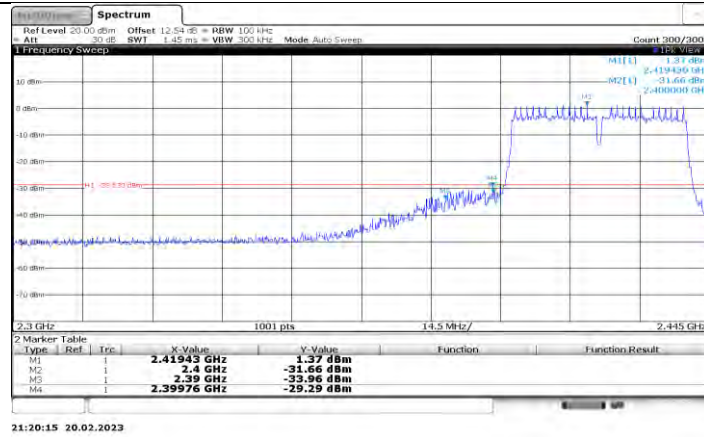
11N20_Ant6_Low_2412



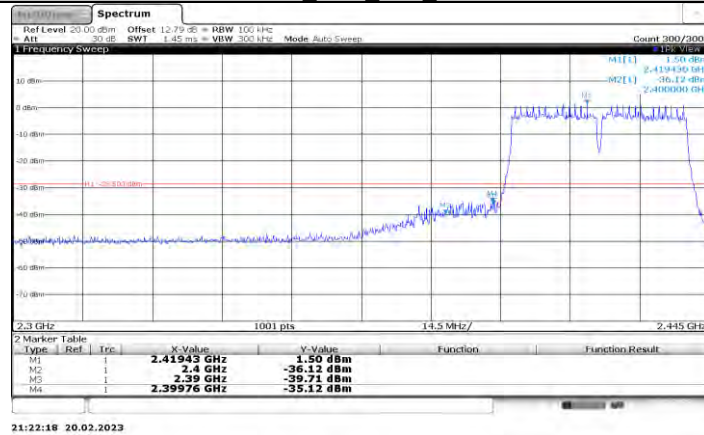
11N20_Ant5_High_2462



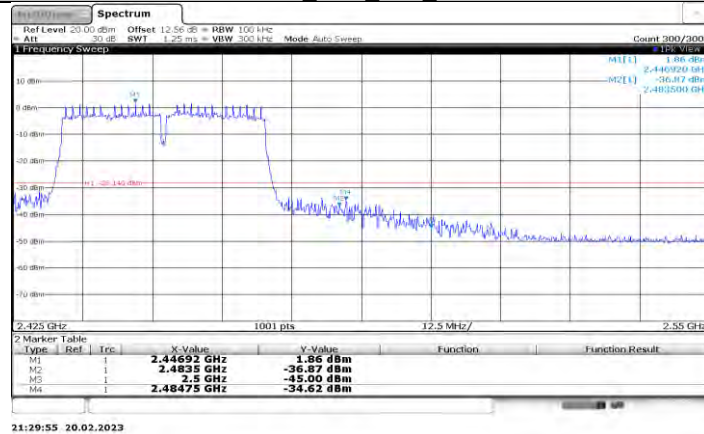
11N20_Ant6_High_2462



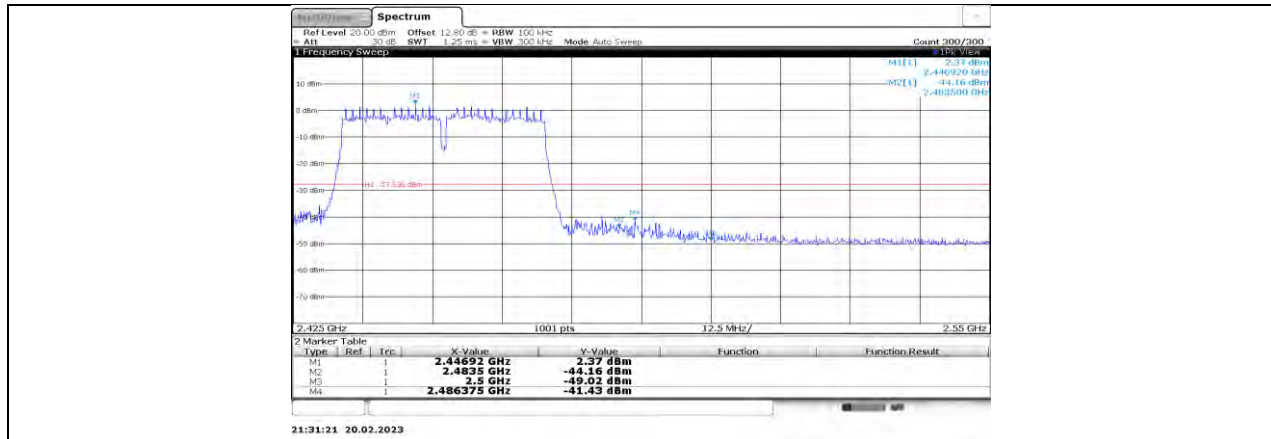
11N40_Ant5_Low_2422



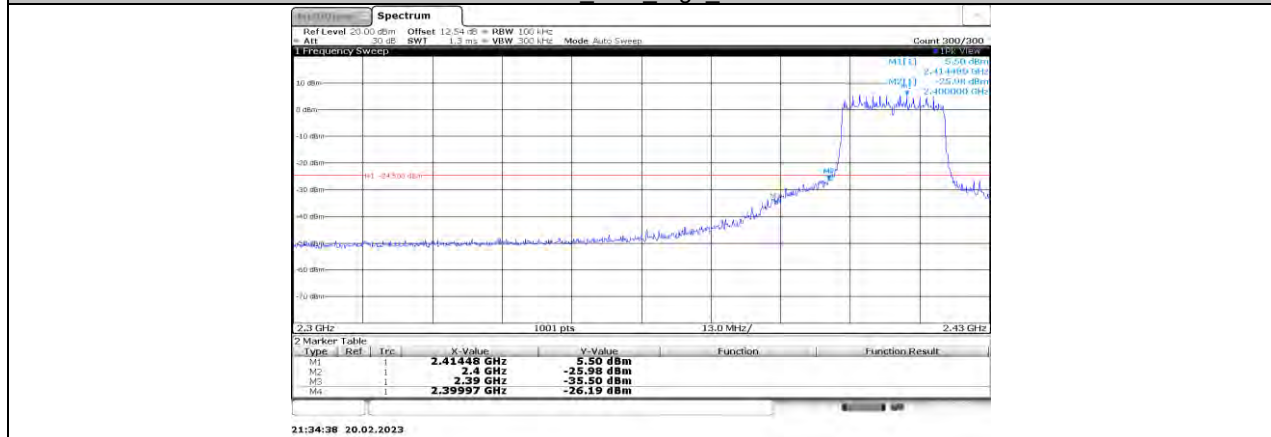
11N40_Ant6_Low_2422



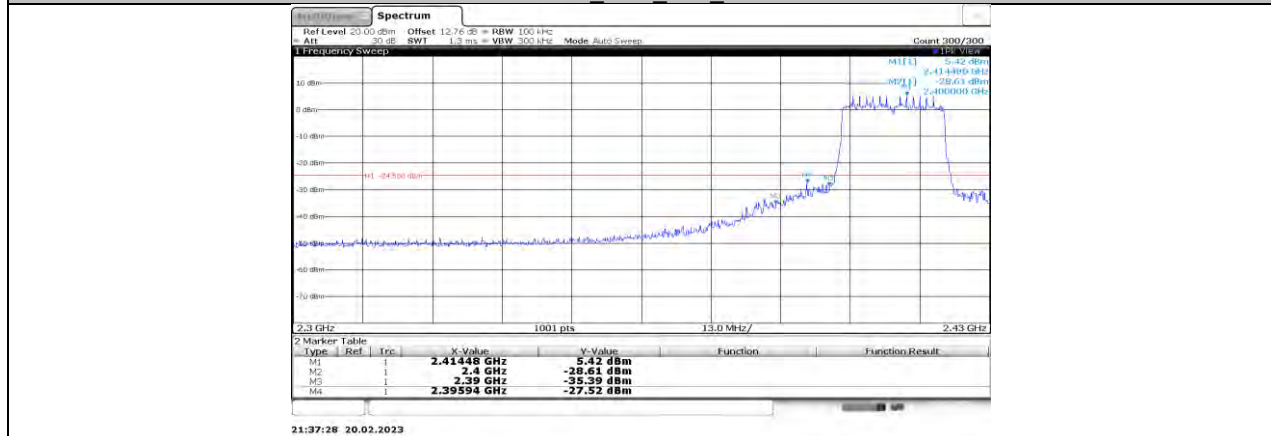
11N40_Ant5_High_2452



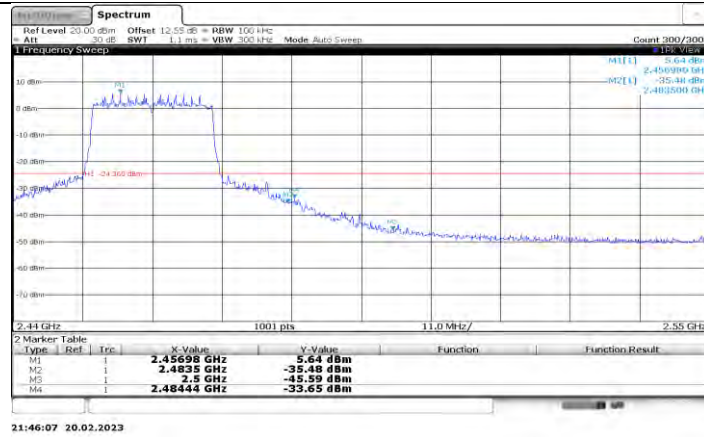
11N40_Ant6_High_2452



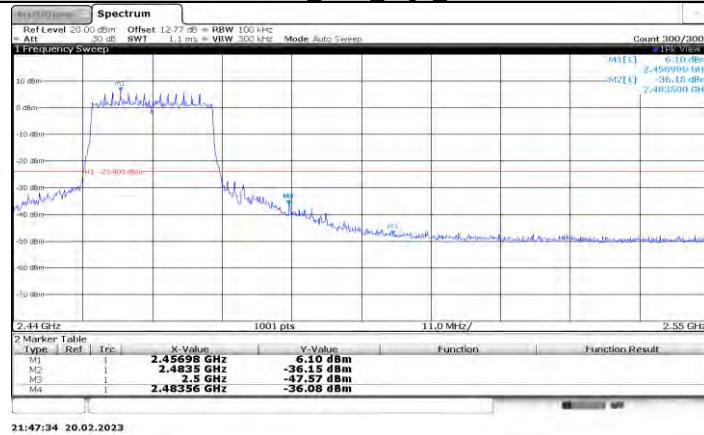
11AX20_Ant5_Low_2412



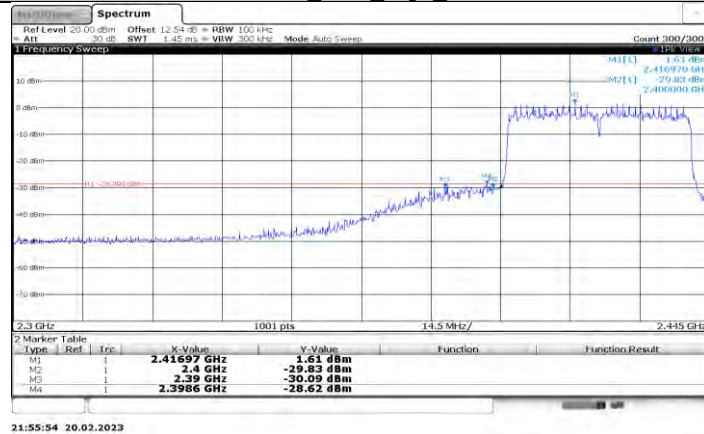
11AX20_Ant6_Low_2412



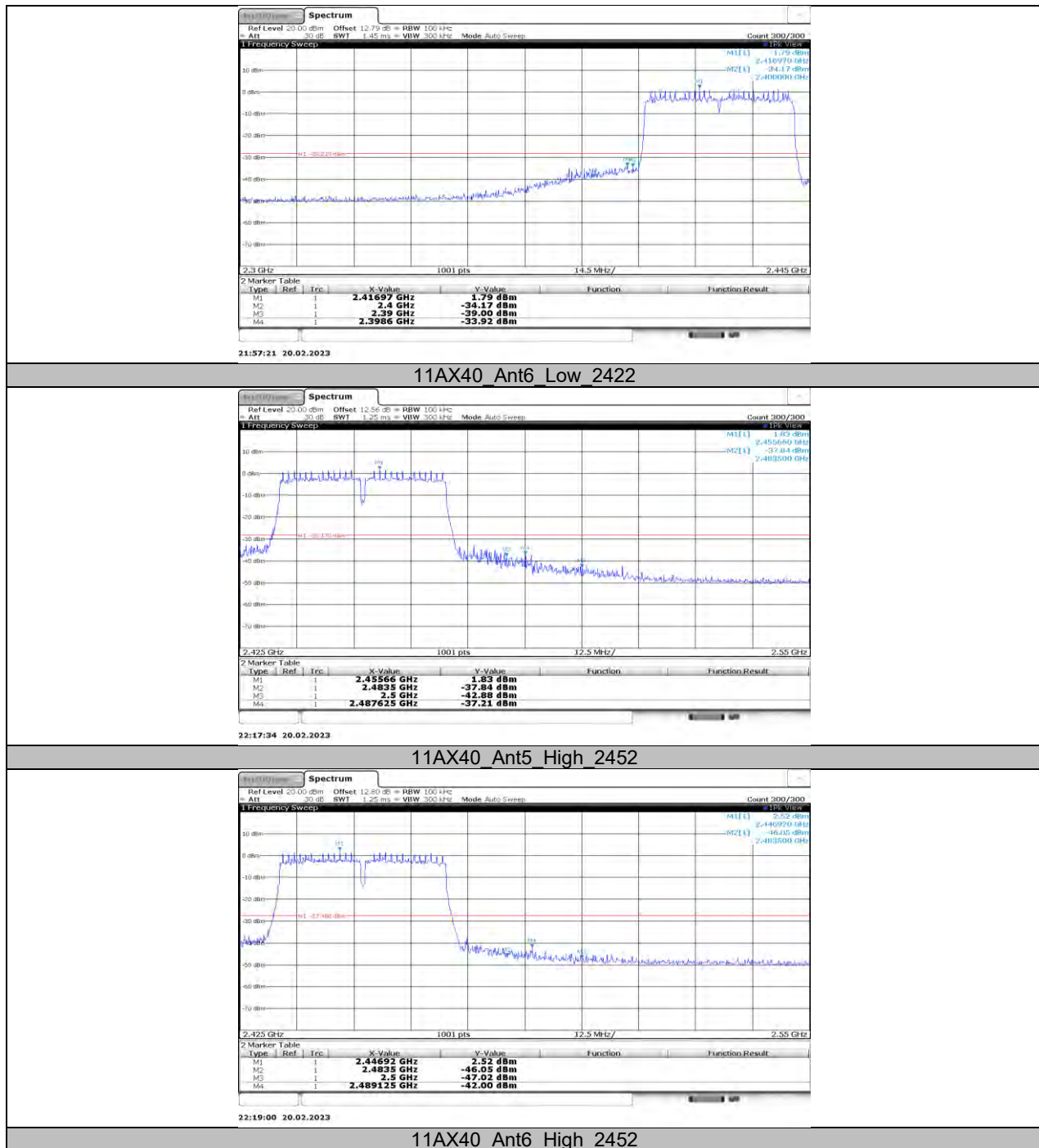
11AX20 Ant5 High 2462



11AX20 Ant6 High 2462



11AX40 Ant5 Low 2422



Note: All the modes had been tested, but only the worst data was recorded in the report.

11.6. APPENDIX F: CONDUCTED SPURIOUS EMISSION

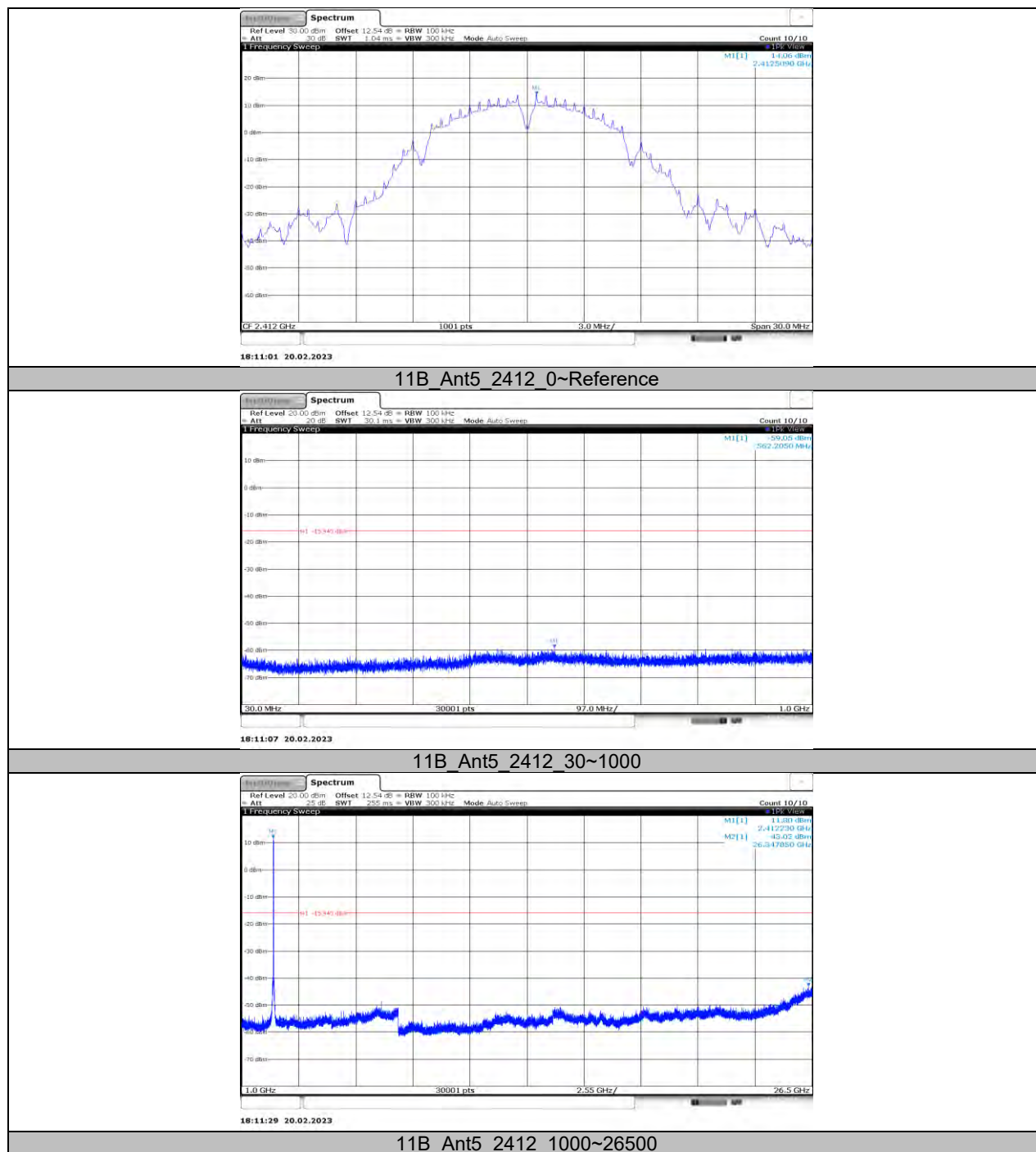
11.6.1. Test Result

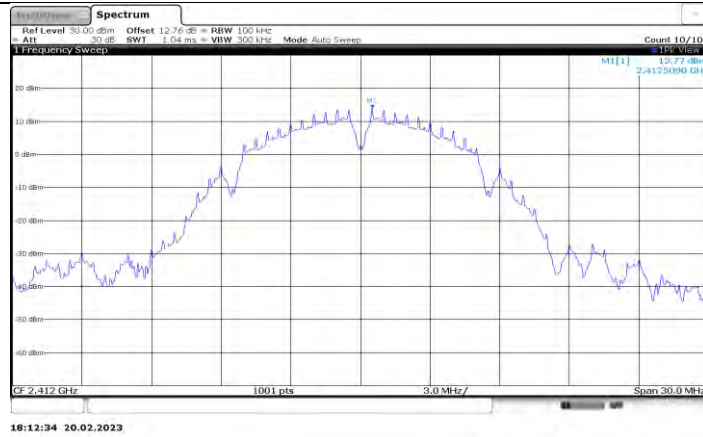
Test Mode	Antenna	Channel	FreqRange [Mhz]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant5	2412	Reference	14.06	---	PASS
			30~1000	-59.05	≤ -15.94	PASS
			1000~26500	-43.02	≤ -15.94	PASS
	Ant6	2412	Reference	13.77	---	PASS
			30~1000	-58.51	≤ -16.23	PASS
			1000~26500	-42.62	≤ -16.23	PASS
	Ant5	2437	Reference	13.63	---	PASS
			30~1000	-58.22	≤ -16.37	PASS
			1000~26500	-42.76	≤ -16.37	PASS
	Ant6	2437	Reference	13.51	---	PASS
			30~1000	-58.32	≤ -16.49	PASS
			1000~26500	-43.24	≤ -16.49	PASS
	Ant5	2462	Reference	13.19	---	PASS
			30~1000	-58.4	≤ -16.81	PASS
			1000~26500	-42.83	≤ -16.81	PASS
	Ant6	2462	Reference	13.46	---	PASS
			30~1000	-58.61	≤ -16.54	PASS
			1000~26500	-43.03	≤ -16.54	PASS
11G	Ant5	2412	Reference	7.19	---	PASS
			30~1000	-58.45	≤ -22.81	PASS
			1000~26500	-43.19	≤ -22.81	PASS
	Ant6	2412	Reference	6.97	---	PASS
			30~1000	-58.37	≤ -23.03	PASS
			1000~26500	-42.79	≤ -23.03	PASS
	Ant5	2437	Reference	7.05	---	PASS
			30~1000	-59.03	≤ -22.95	PASS
			1000~26500	-42.42	≤ -22.95	PASS
	Ant6	2437	Reference	7.02	---	PASS
			30~1000	-58.13	≤ -22.98	PASS
			1000~26500	-42.65	≤ -22.98	PASS
	Ant5	2462	Reference	7.07	---	PASS
			30~1000	-58.84	≤ -22.93	PASS
			1000~26500	-42.06	≤ -22.93	PASS
	Ant6	2462	Reference	6.86	---	PASS
			30~1000	-59.09	≤ -23.14	PASS
			1000~26500	-42.68	≤ -23.14	PASS
11N20	Ant5	2412	Reference	6.15	---	PASS
			30~1000	-58.2	≤ -23.85	PASS
			1000~26500	-43.35	≤ -23.85	PASS
	Ant6	2412	Reference	5.84	---	PASS
			30~1000	-58.36	≤ -24.16	PASS
			1000~26500	-42.23	≤ -24.16	PASS
	Ant5	2437	Reference	5.63	---	PASS
			30~1000	-59.12	≤ -24.37	PASS
			1000~26500	-43.11	≤ -24.37	PASS
	Ant6	2437	Reference	6.20	---	PASS
			30~1000	-58.84	≤ -23.8	PASS
			1000~26500	-42.43	≤ -23.8	PASS
	Ant5	2462	Reference	5.77	---	PASS
			30~1000	-58.94	≤ -24.23	PASS
			1000~26500	-43.16	≤ -24.23	PASS
	Ant6	2462	Reference	5.79	---	PASS
			30~1000	-58.34	≤ -24.21	PASS
			1000~26500	-42.4	≤ -24.21	PASS
11N40	Ant5	2422	Reference	1.81	---	PASS

	Ant6	2422	30~1000	-59.05	≤ -28.19	PASS
			1000~26500	-43.43	≤ -28.19	PASS
			Reference	2.01	---	PASS
			30~1000	-58.96	≤ -27.99	PASS
			1000~26500	-43.33	≤ -27.99	PASS
			Reference	1.95	---	PASS
	Ant5	2437	30~1000	-59.13	≤ -28.05	PASS
			1000~26500	-43.13	≤ -28.05	PASS
			Reference	2.30	---	PASS
	Ant6	2437	30~1000	-58.24	≤ -27.7	PASS
			1000~26500	-41.95	≤ -27.7	PASS
			Reference	1.95	---	PASS
11AX20	Ant5	2412	30~1000	-58.28	≤ -23.88	PASS
			1000~26500	-41.86	≤ -23.88	PASS
			Reference	6.12	---	PASS
	Ant6	2412	30~1000	-59.41	≤ -24.1	PASS
			1000~26500	-43.05	≤ -24.1	PASS
			Reference	5.90	---	PASS
	Ant5	2437	30~1000	-58.87	≤ -24.28	PASS
			1000~26500	-43.11	≤ -24.28	PASS
			Reference	5.72	---	PASS
	Ant6	2437	30~1000	-58.1	≤ -24.1	PASS
			1000~26500	-43.14	≤ -24.1	PASS
			Reference	5.90	---	PASS
	Ant5	2462	30~1000	-59.14	≤ -24.22	PASS
			1000~26500	-42.89	≤ -24.22	PASS
			Reference	5.78	---	PASS
	Ant6	2462	30~1000	-57.99	≤ -23.8	PASS
			1000~26500	-43.33	≤ -23.8	PASS
			Reference	6.20	---	PASS
11AX40	Ant5	2422	30~1000	-58.89	≤ -27.82	PASS
			1000~26500	-43.61	≤ -27.82	PASS
			Reference	2.18	---	PASS
	Ant6	2422	30~1000	-58.99	≤ -27.72	PASS
			1000~26500	-43.18	≤ -27.72	PASS
			Reference	2.28	---	PASS
	Ant5	2437	30~1000	-58.48	≤ -28.1	PASS
			1000~26500	-42.97	≤ -28.1	PASS
			Reference	1.90	---	PASS
	Ant6	2437	30~1000	-58.78	≤ -28.01	PASS
			1000~26500	-43.04	≤ -28.01	PASS
			Reference	1.99	---	PASS
	Ant5	2452	30~1000	-59.33	≤ -27.93	PASS
			1000~26500	-43.26	≤ -27.93	PASS
			Reference	2.07	---	PASS
	Ant6	2452	30~1000	-58.08	≤ -27.61	PASS
			1000~26500	-43.3	≤ -27.61	PASS
			Reference	2.39	---	PASS

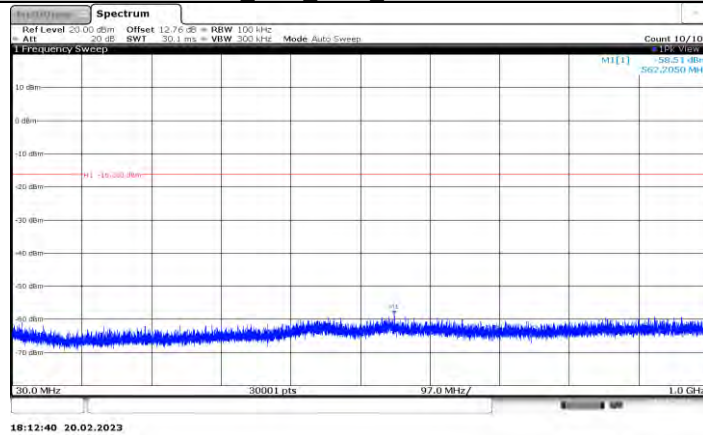
Note: All the modes had been tested, but only the worst data was recorded in the report.

11.6.2. Test Graphs

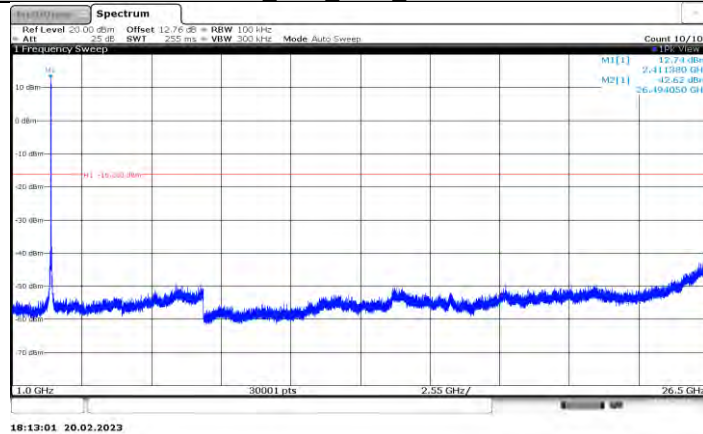




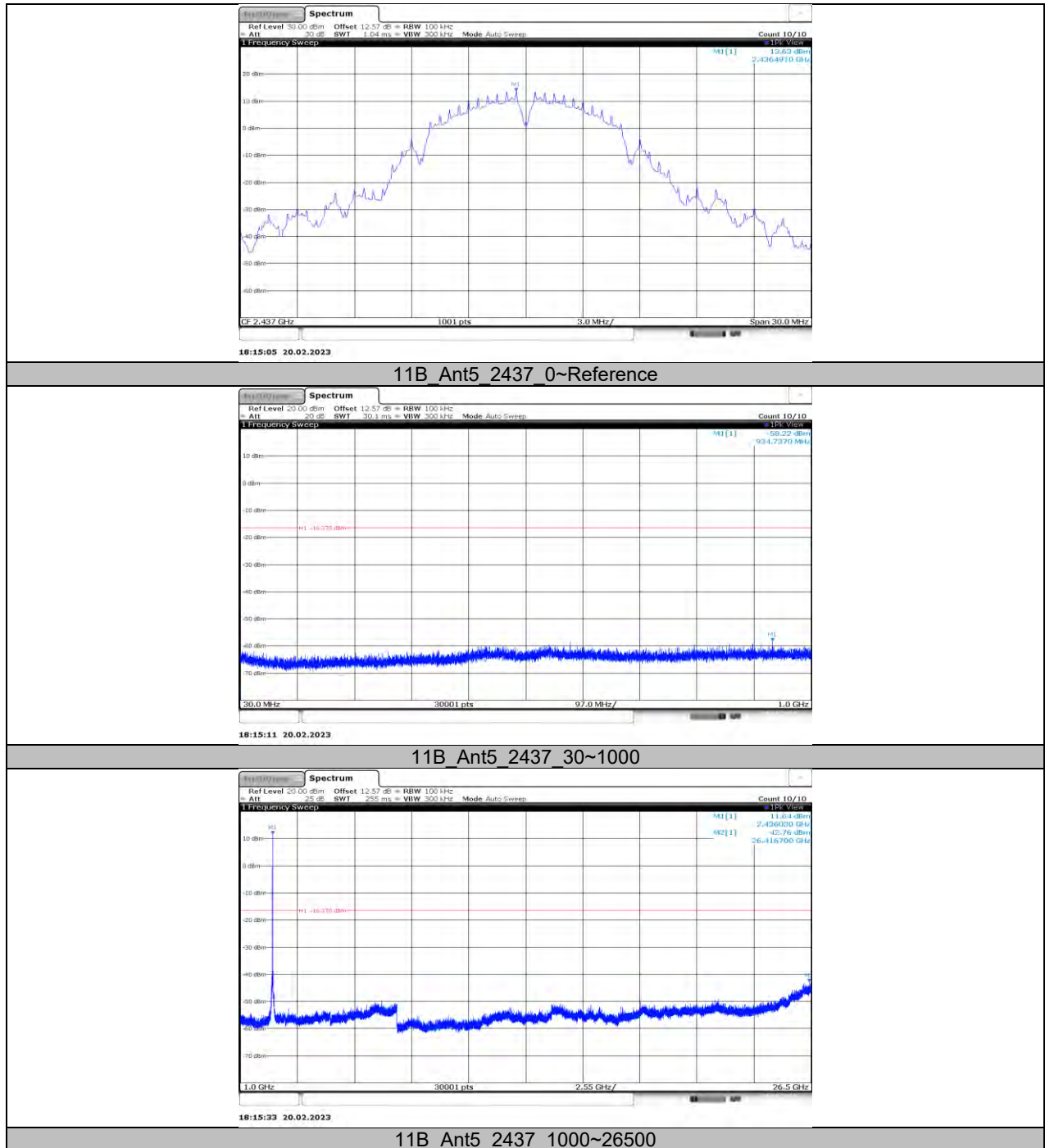
11B_Ant6_2412_0~Reference

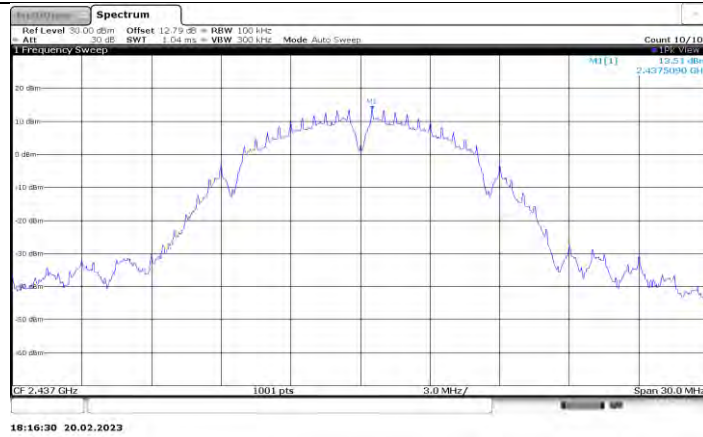


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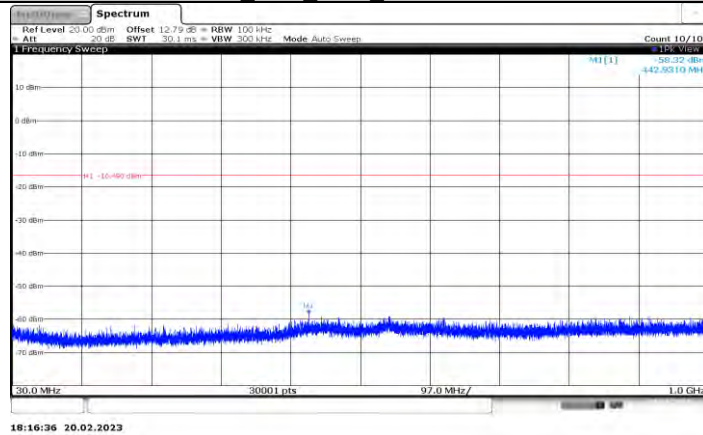


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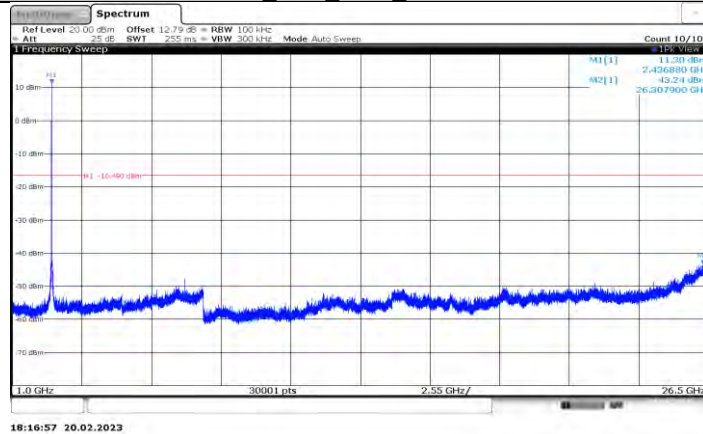




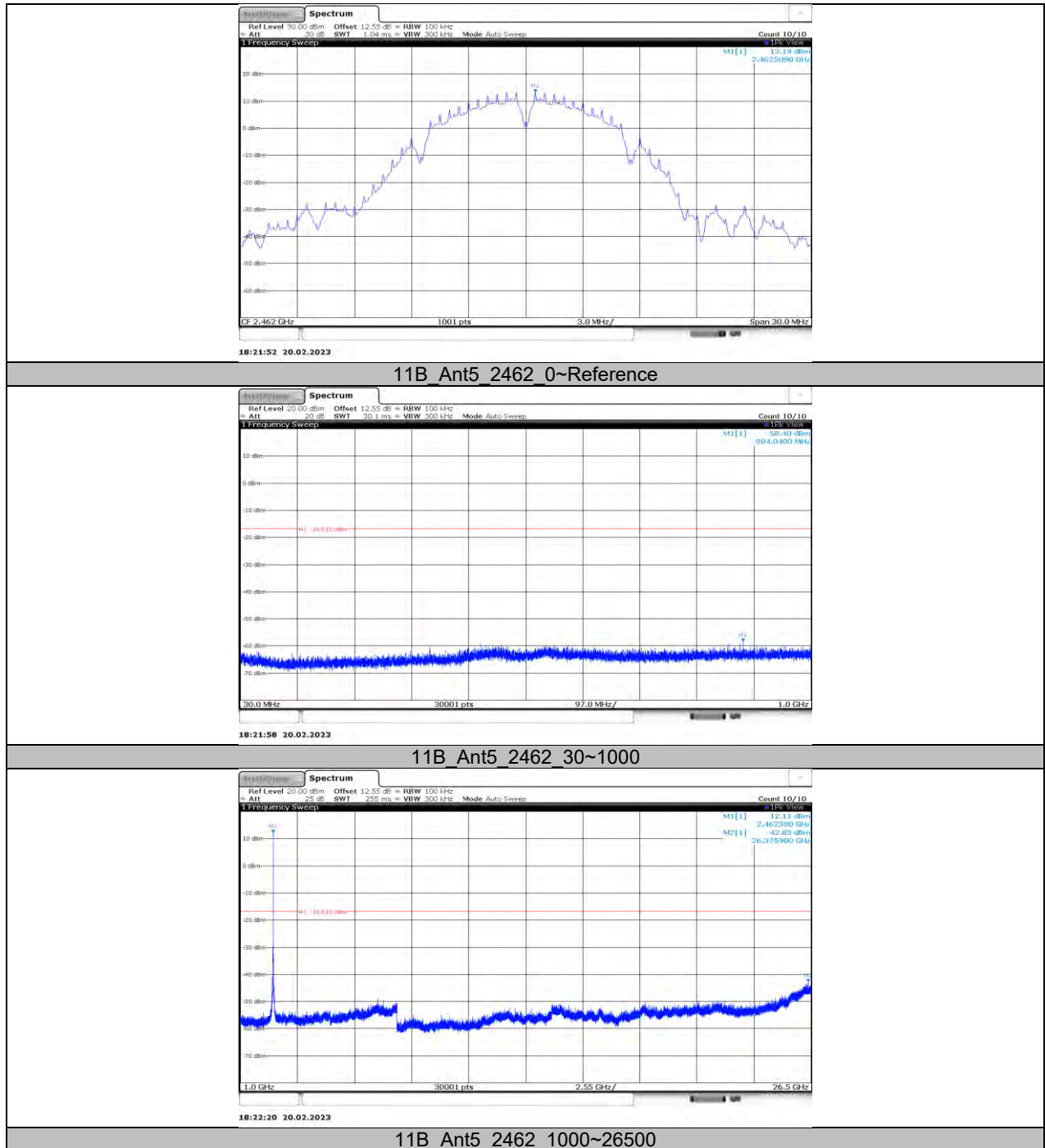
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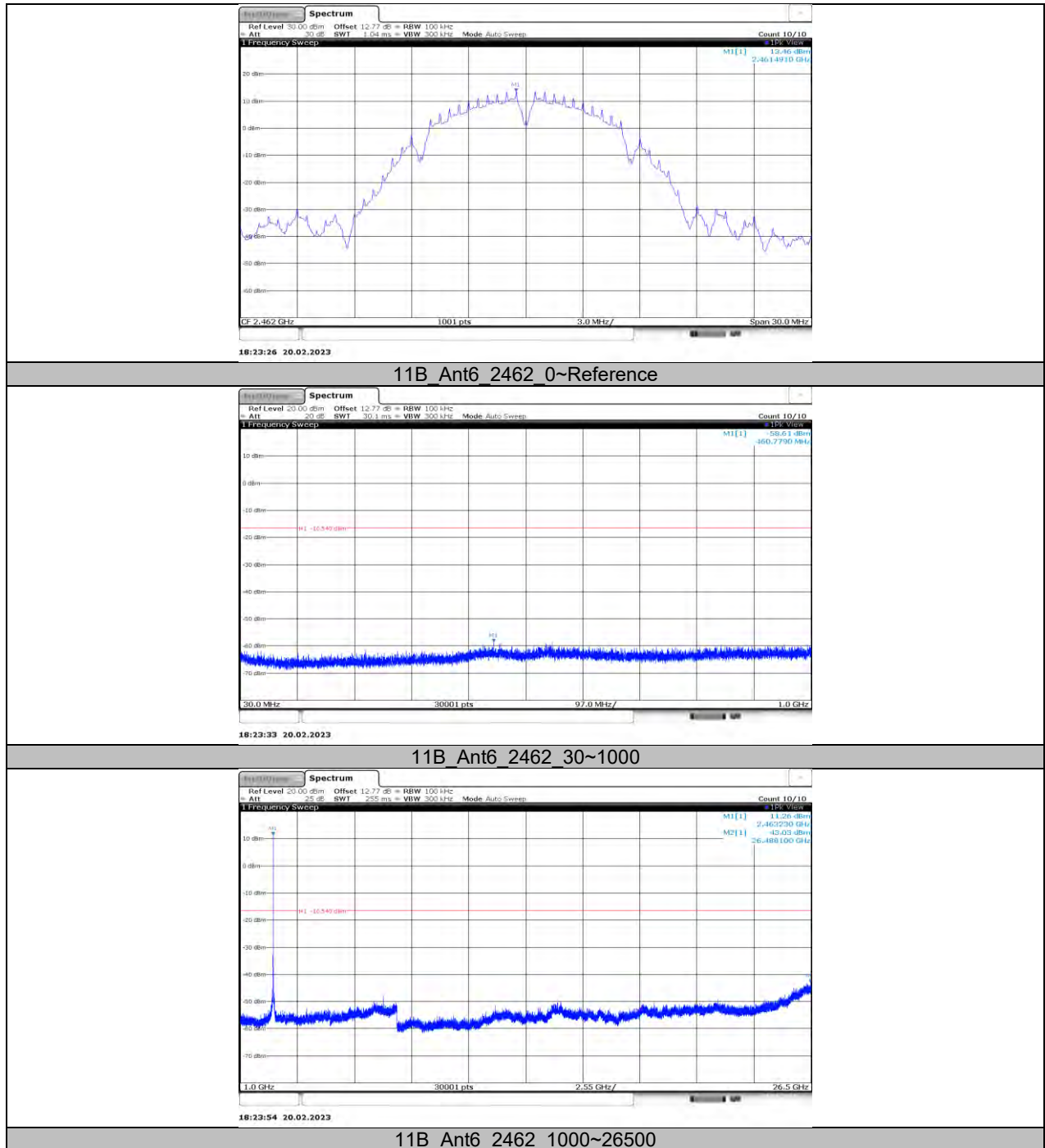


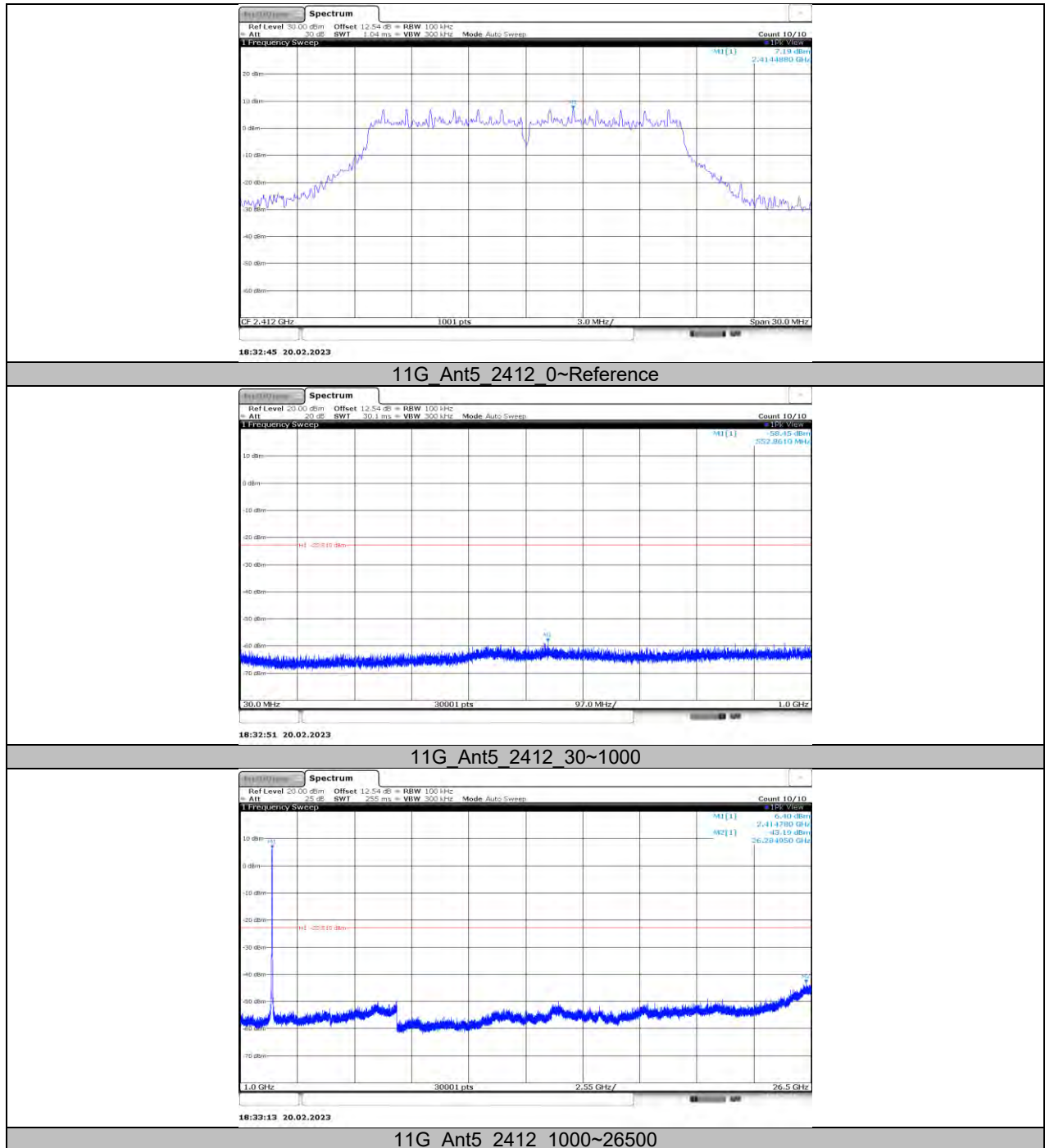
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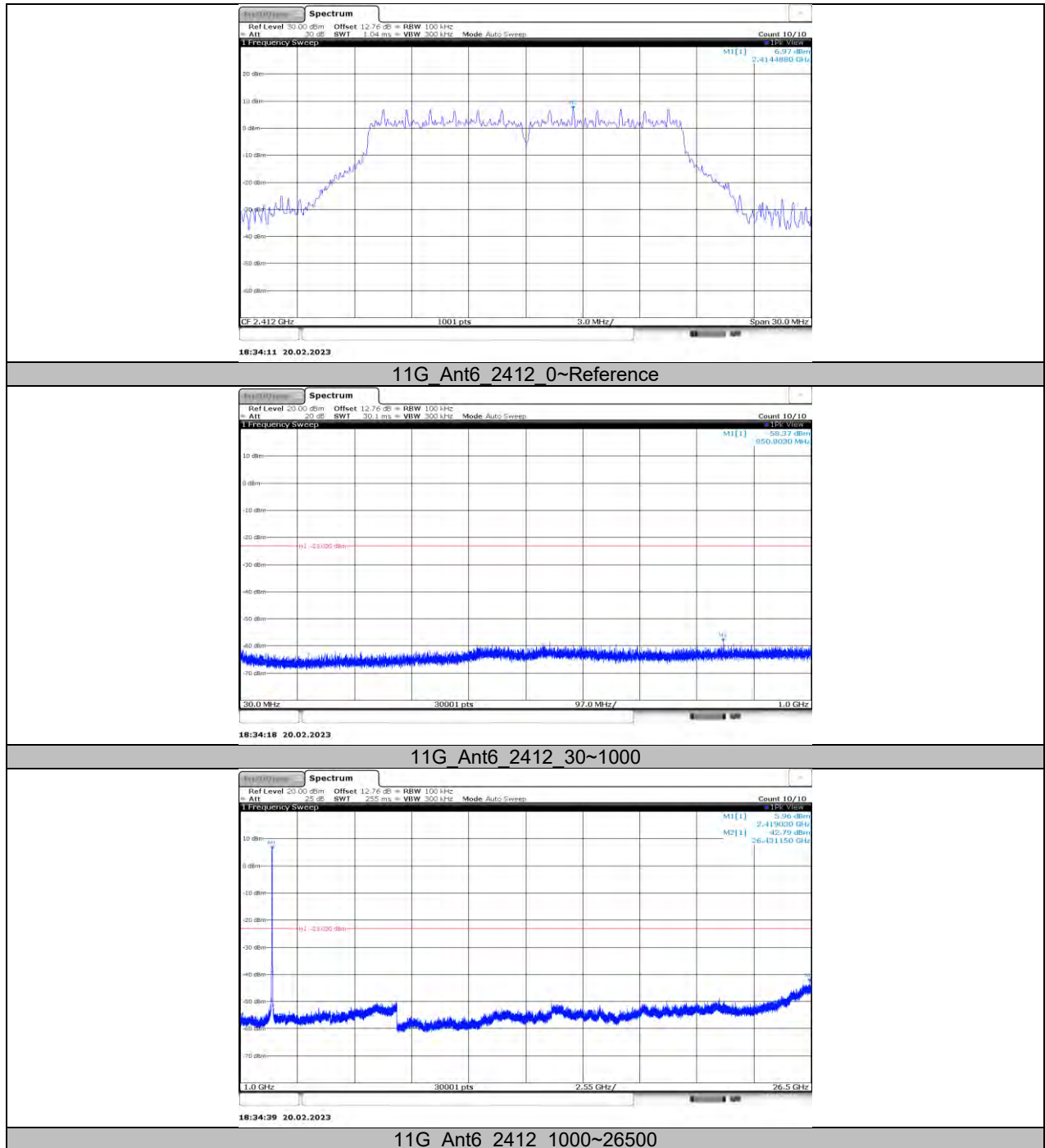


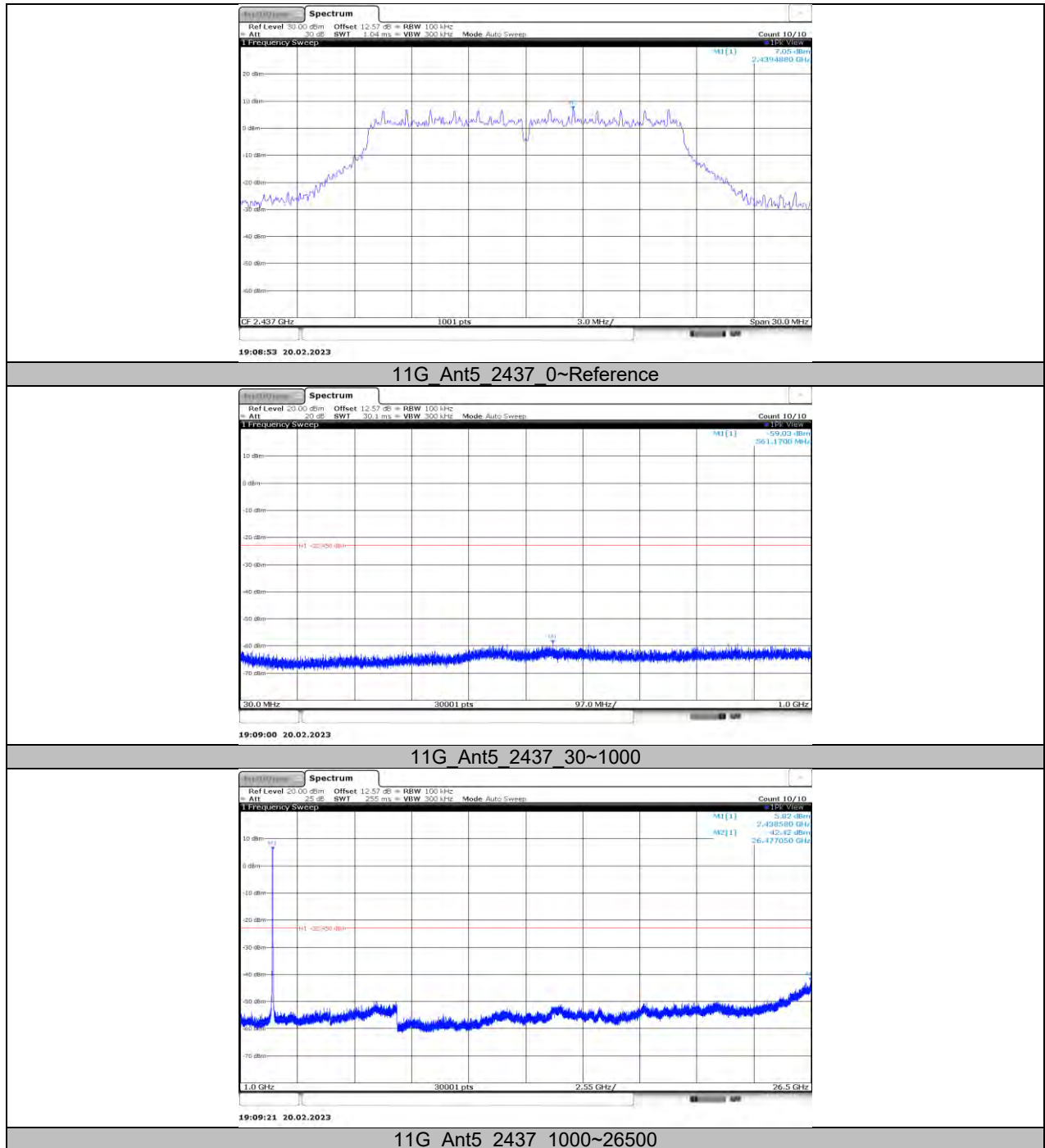
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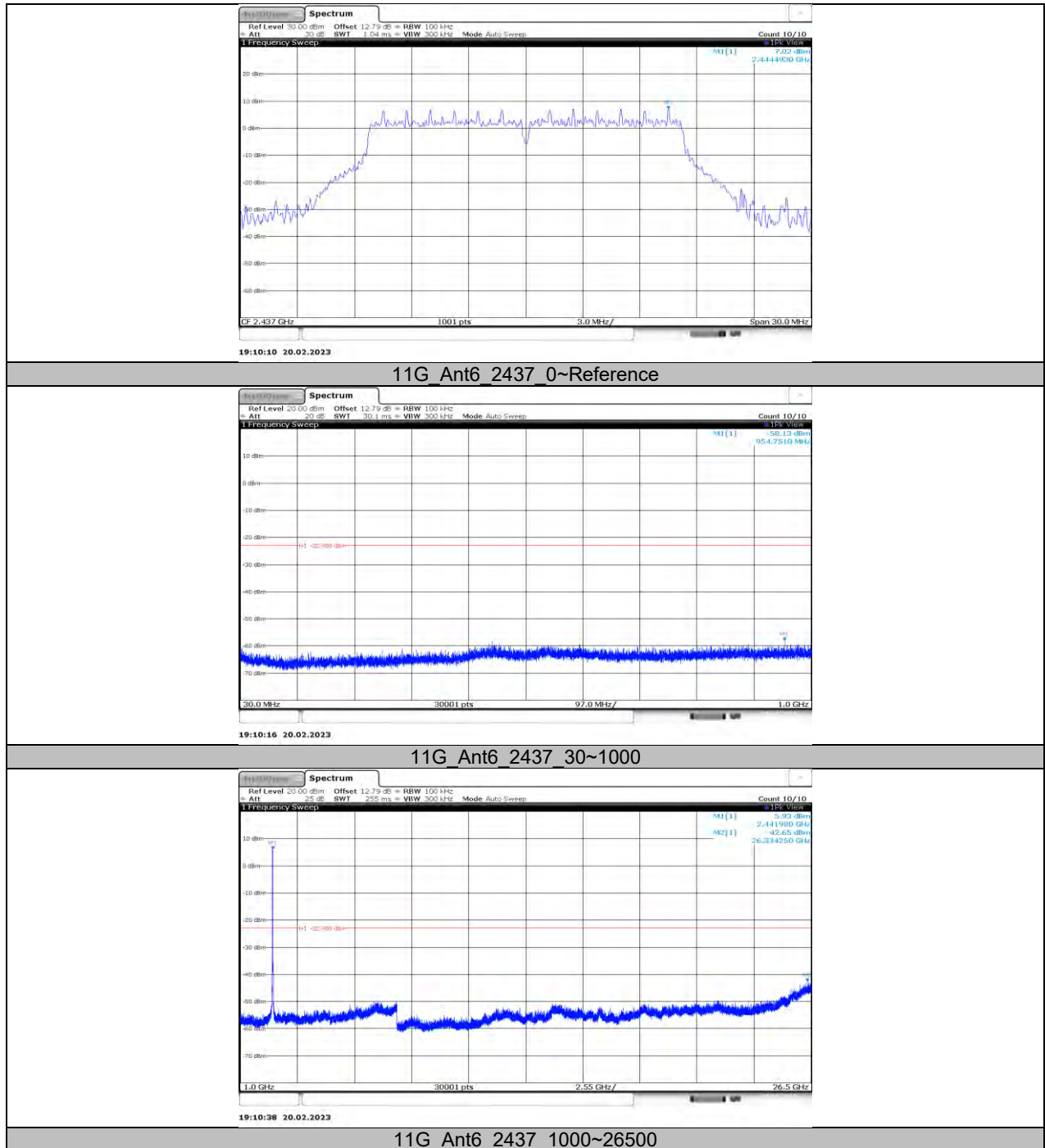


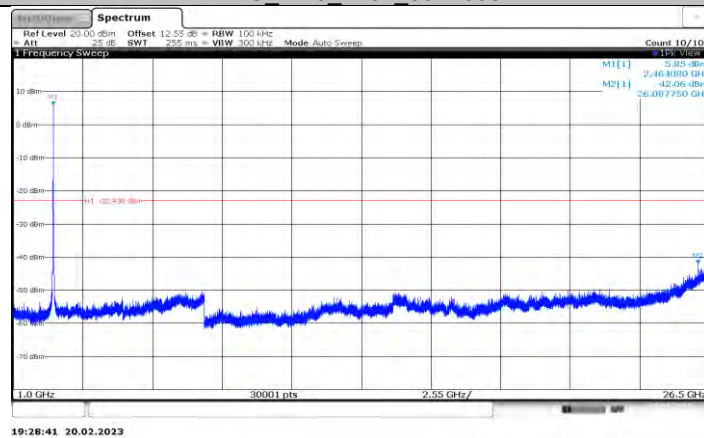
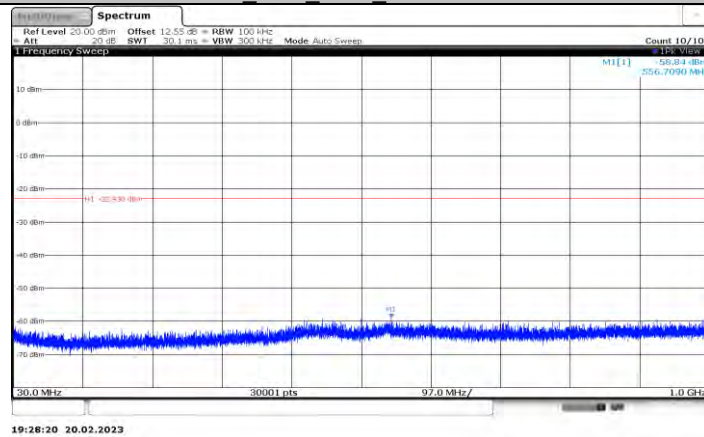
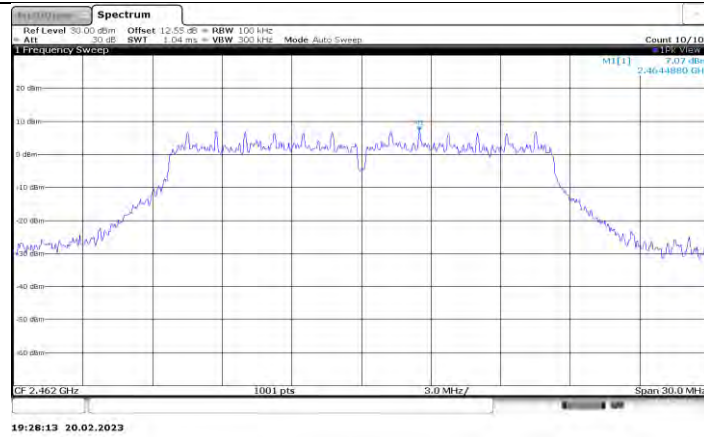


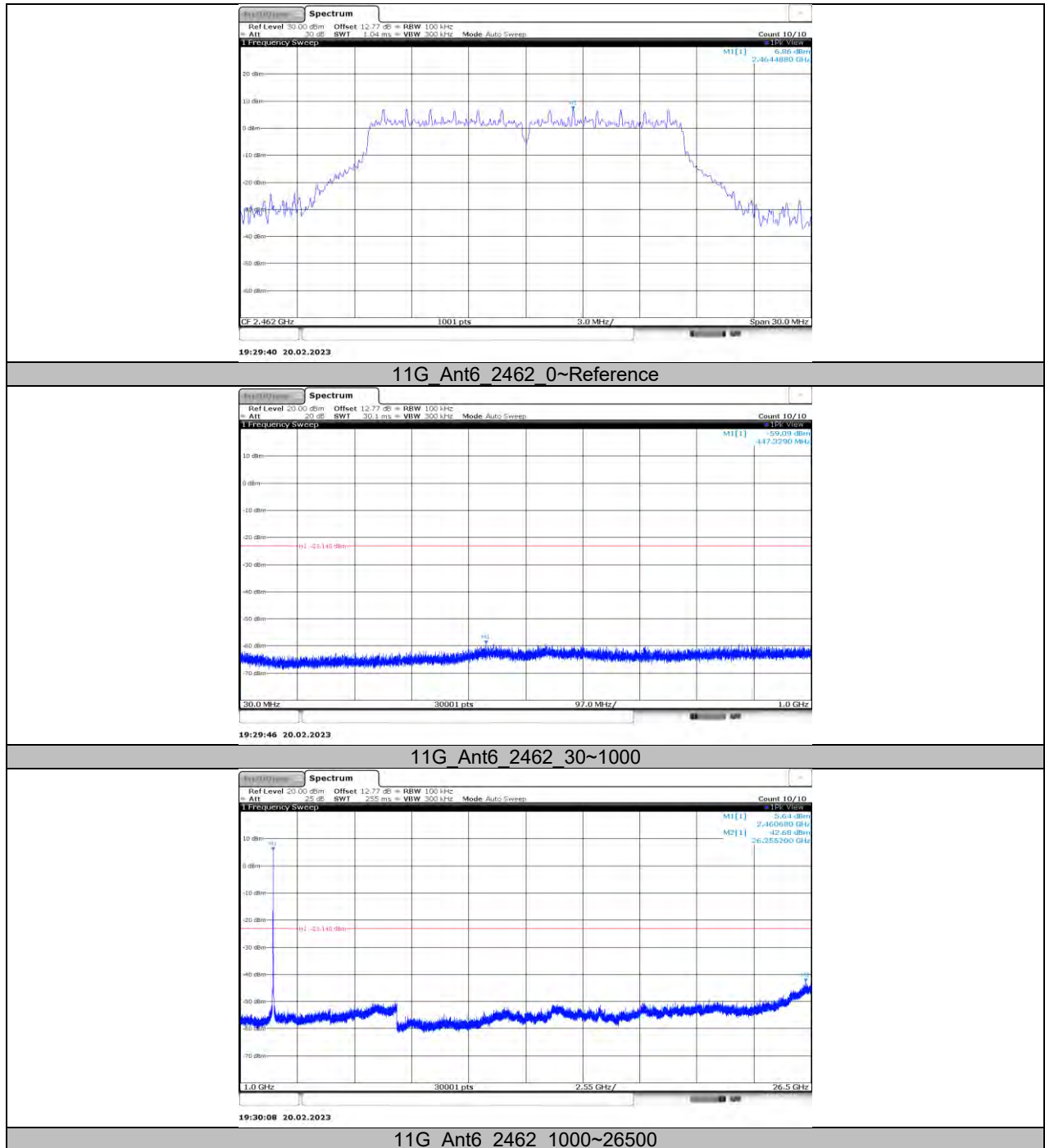


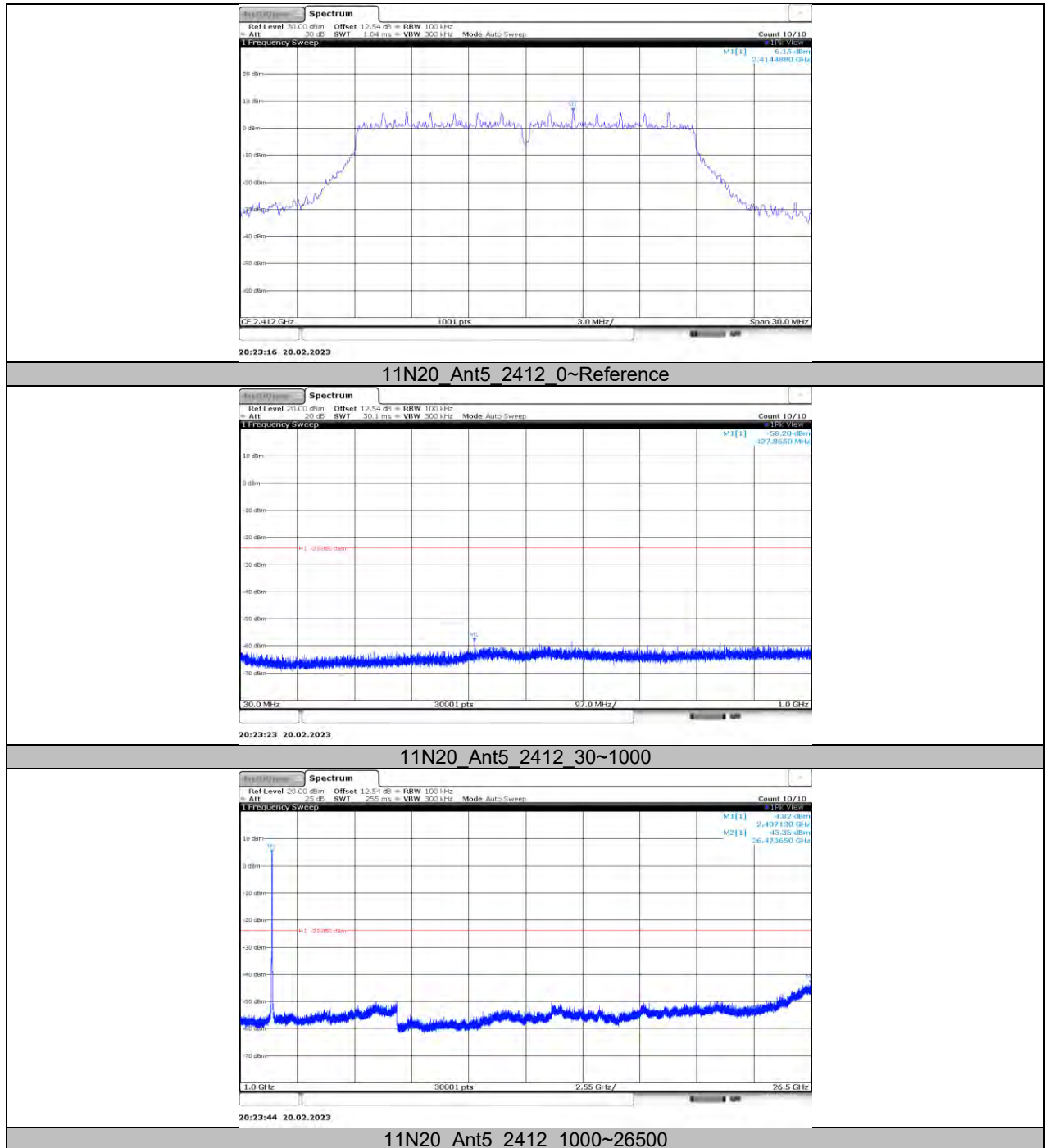


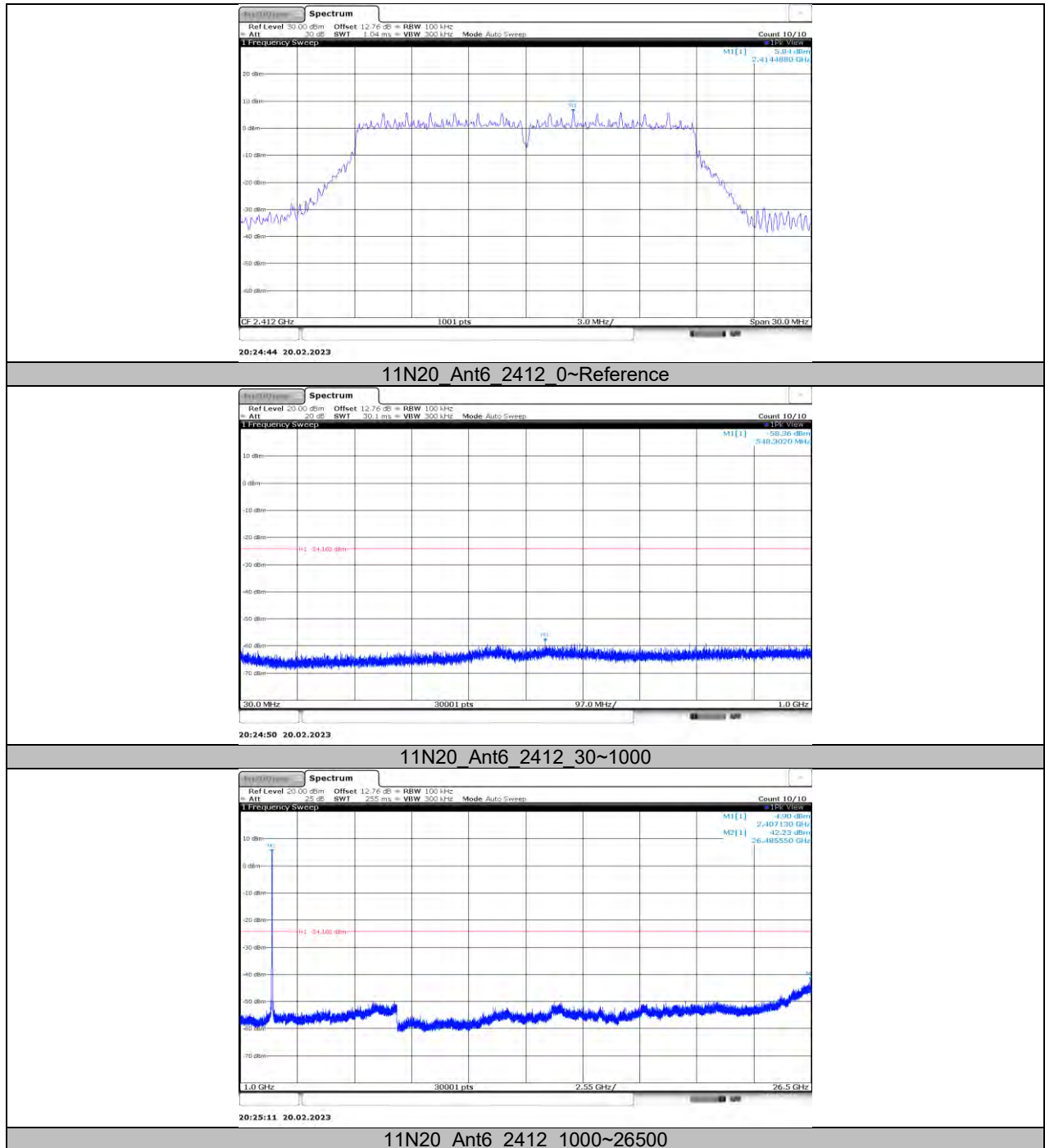


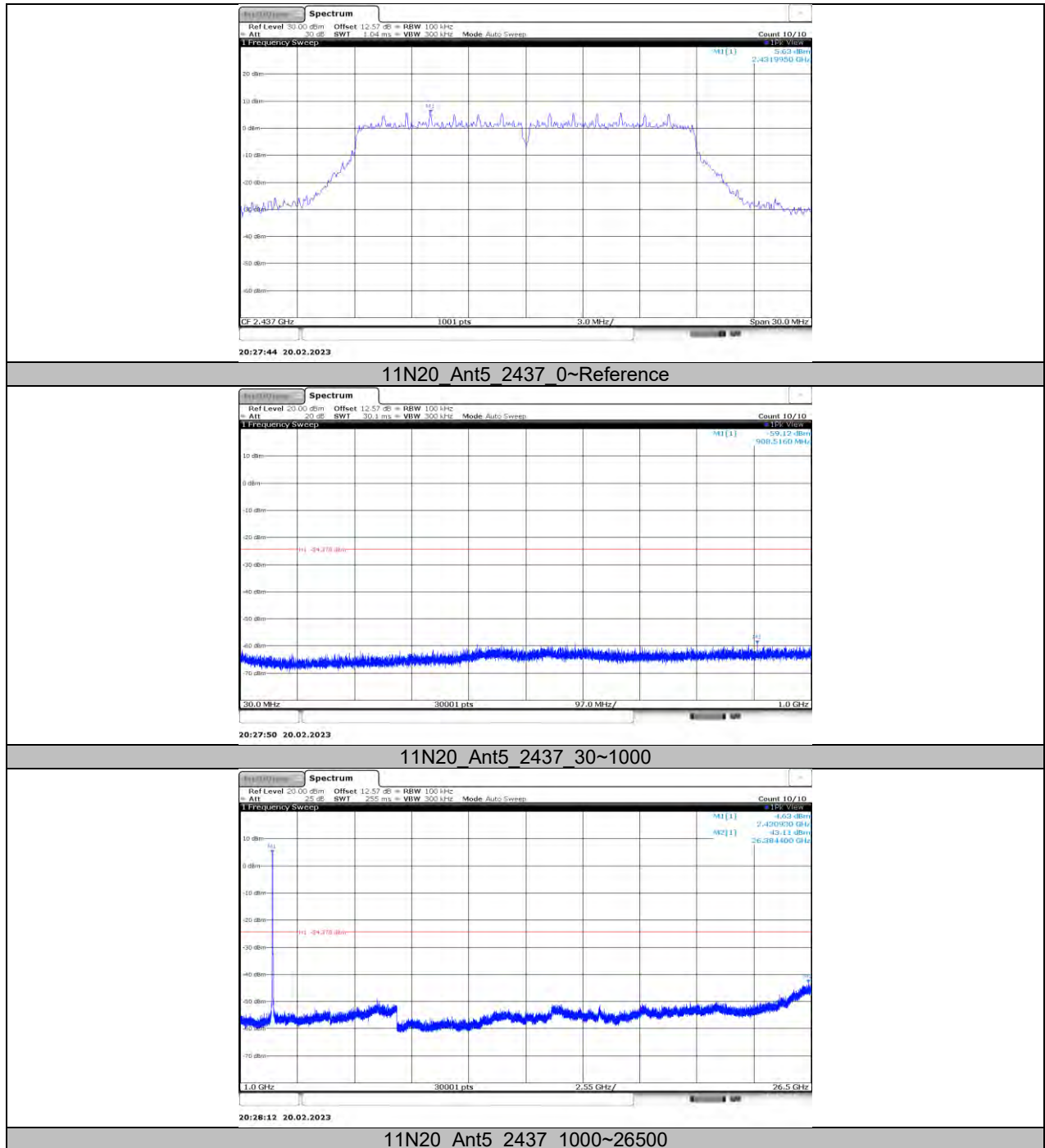


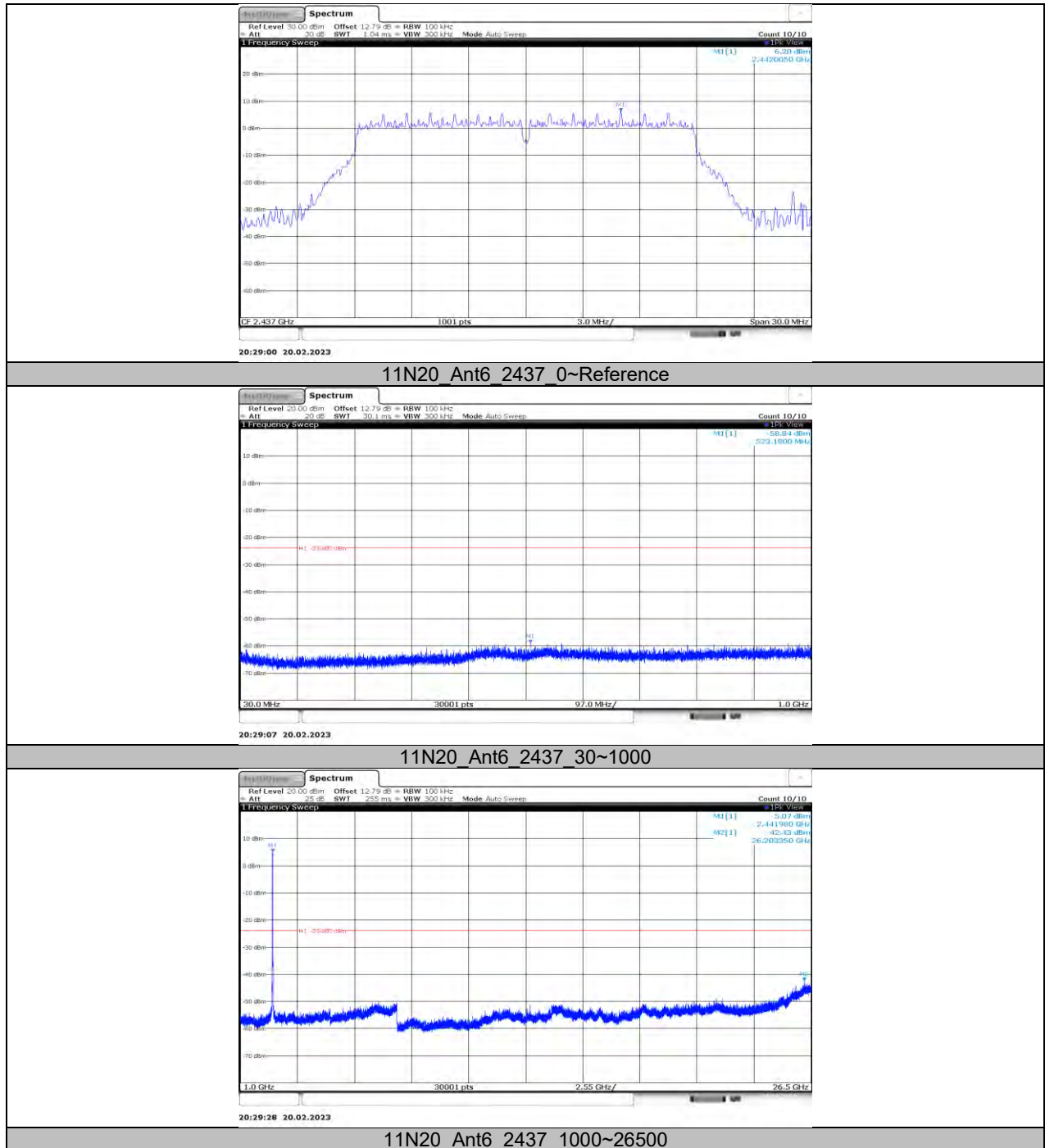


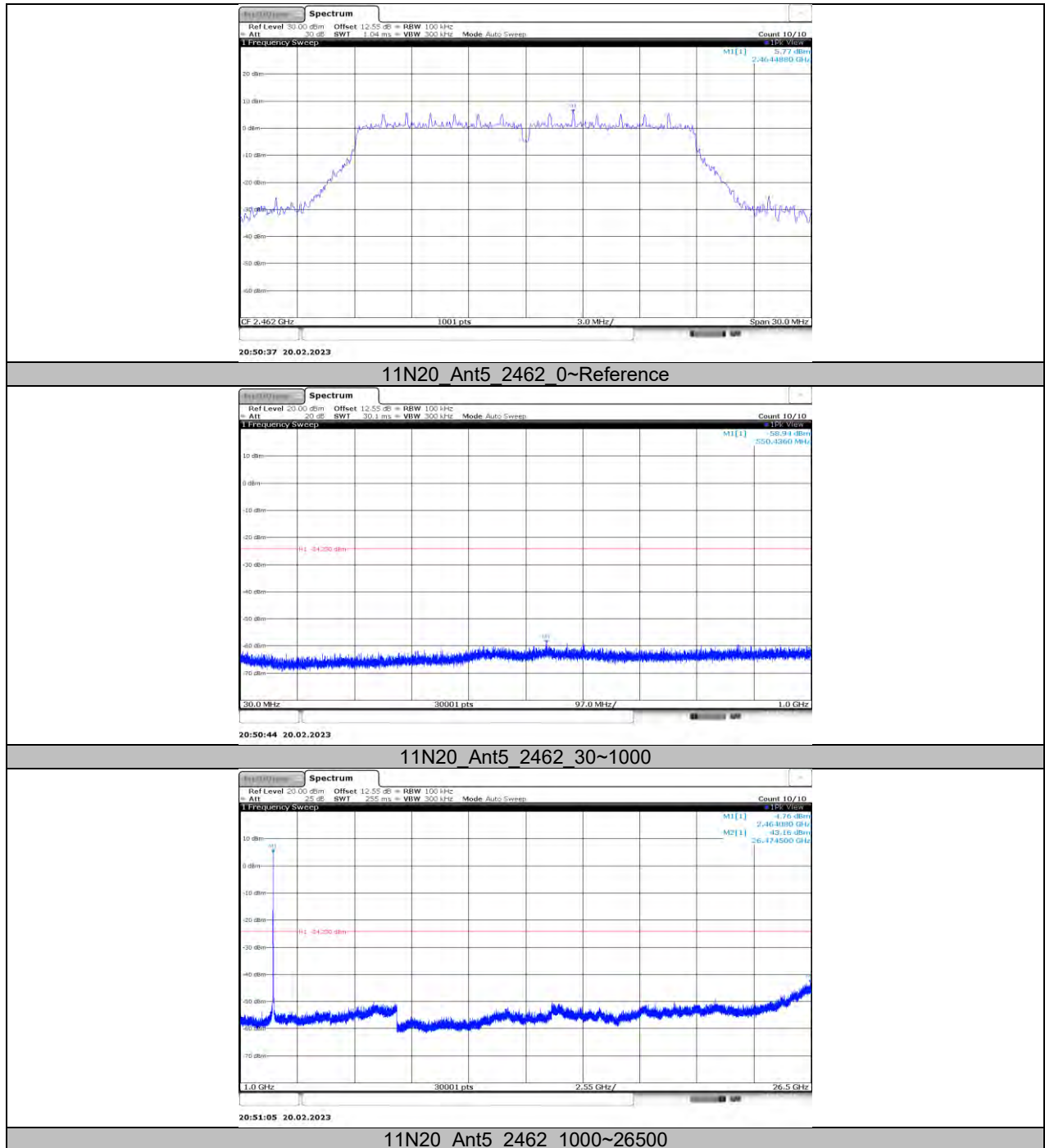


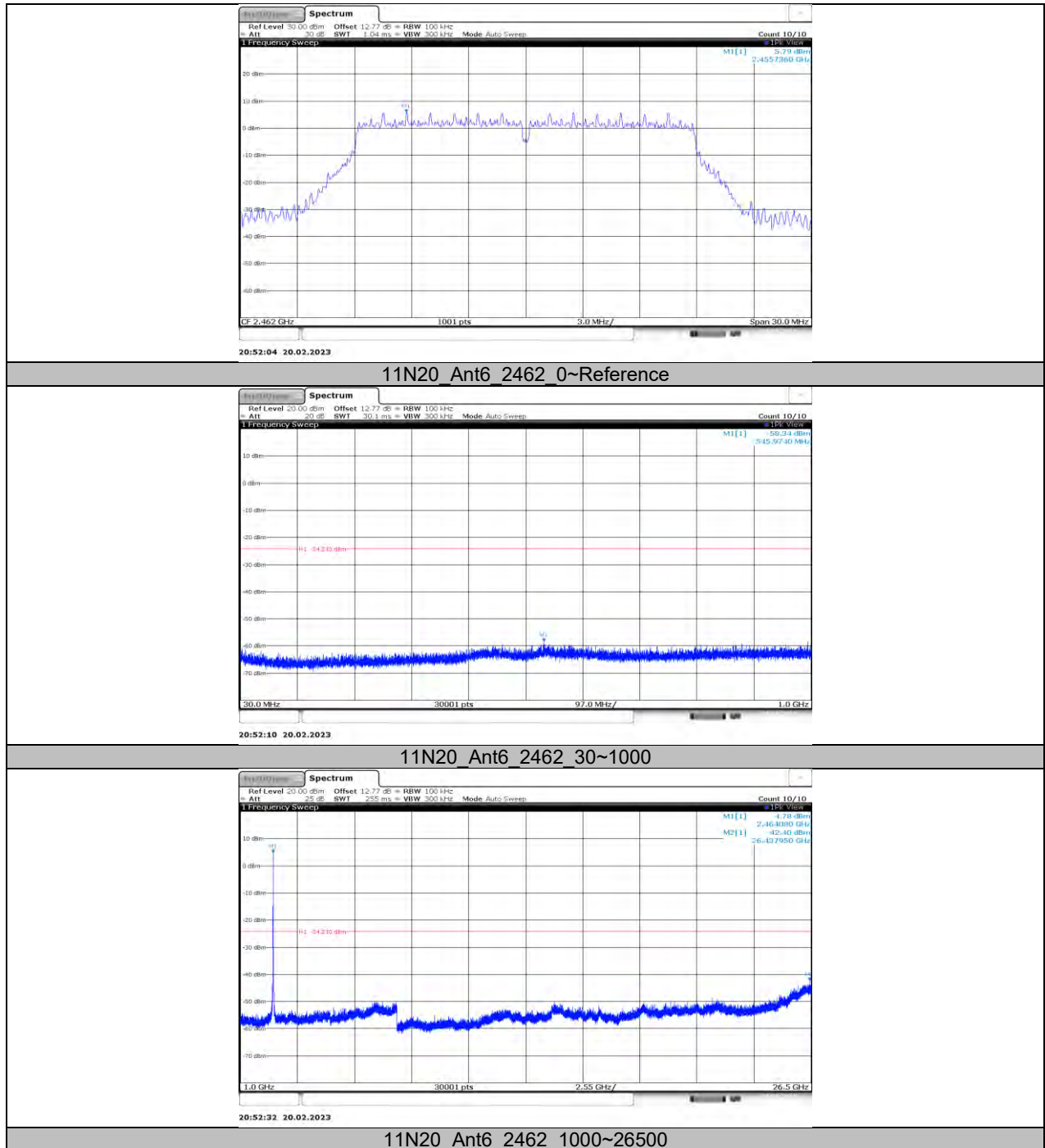


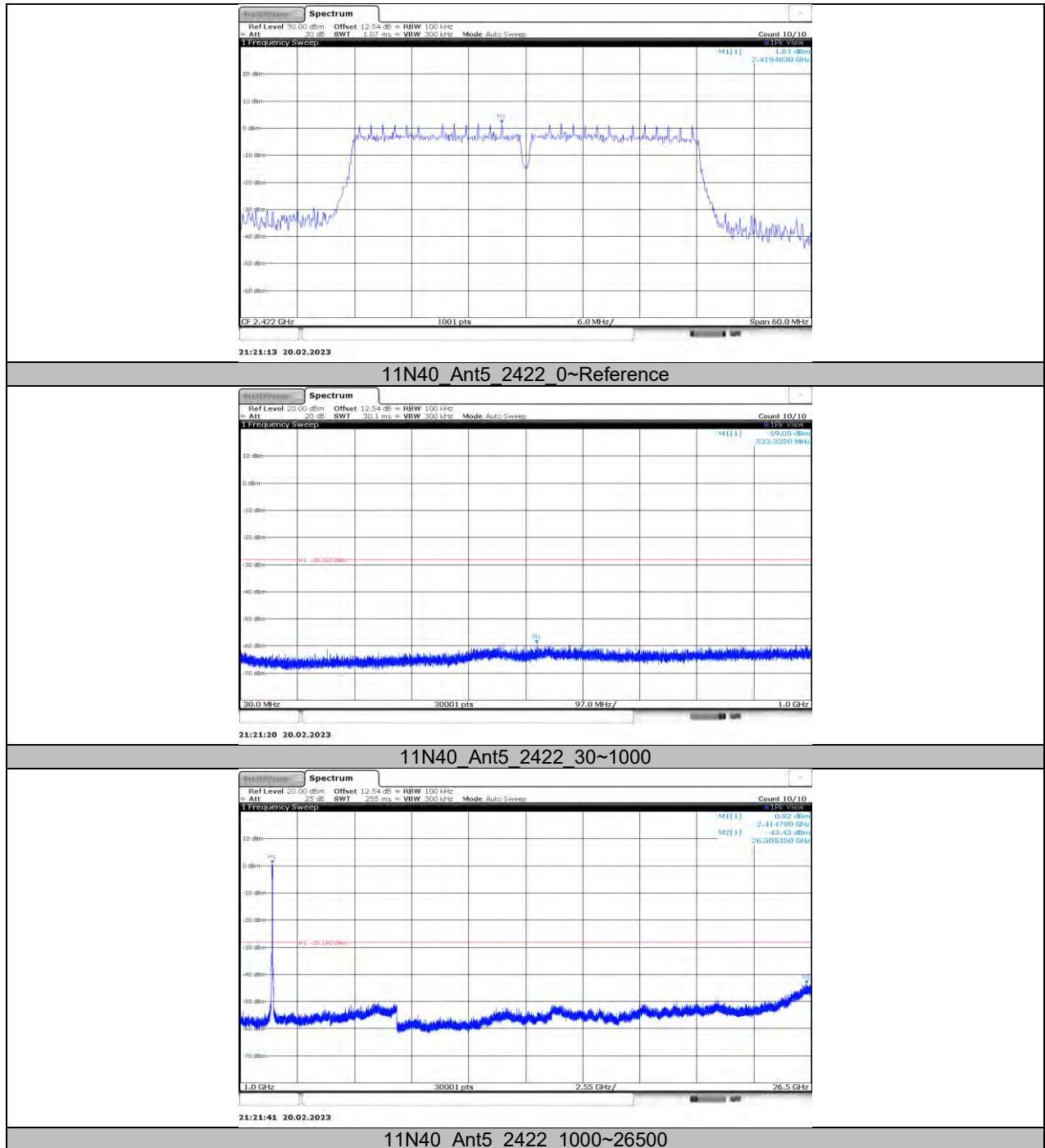


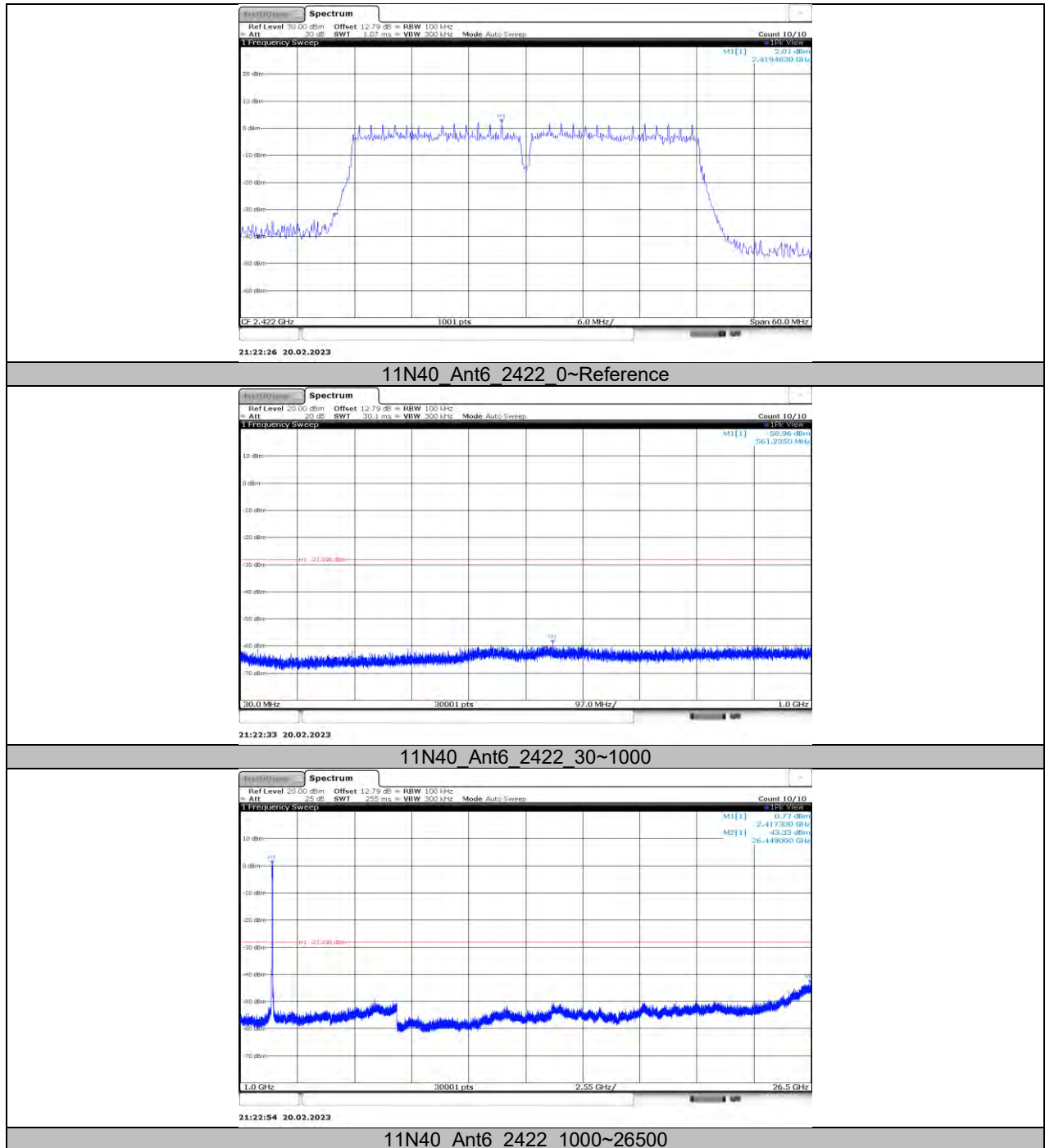


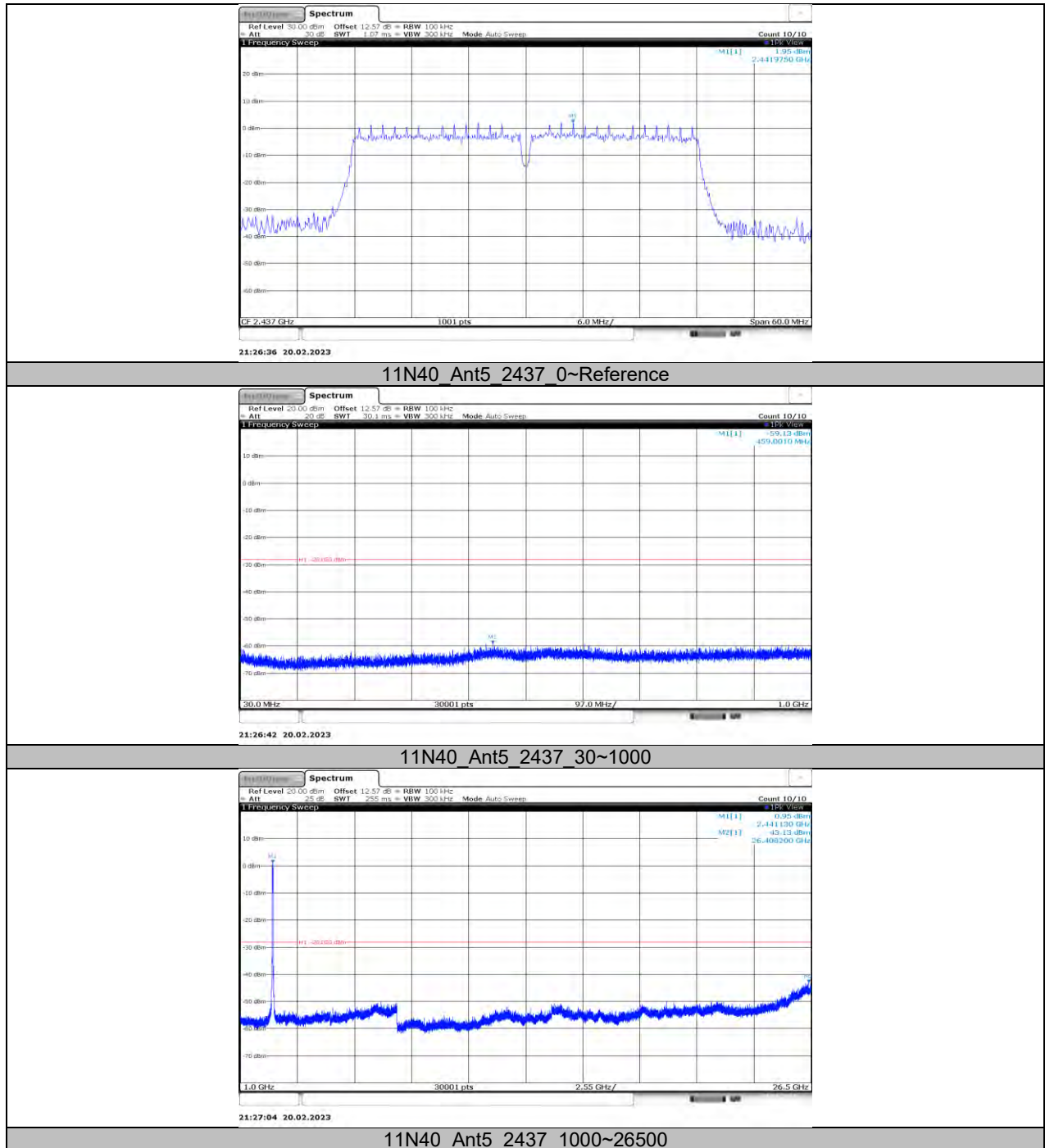


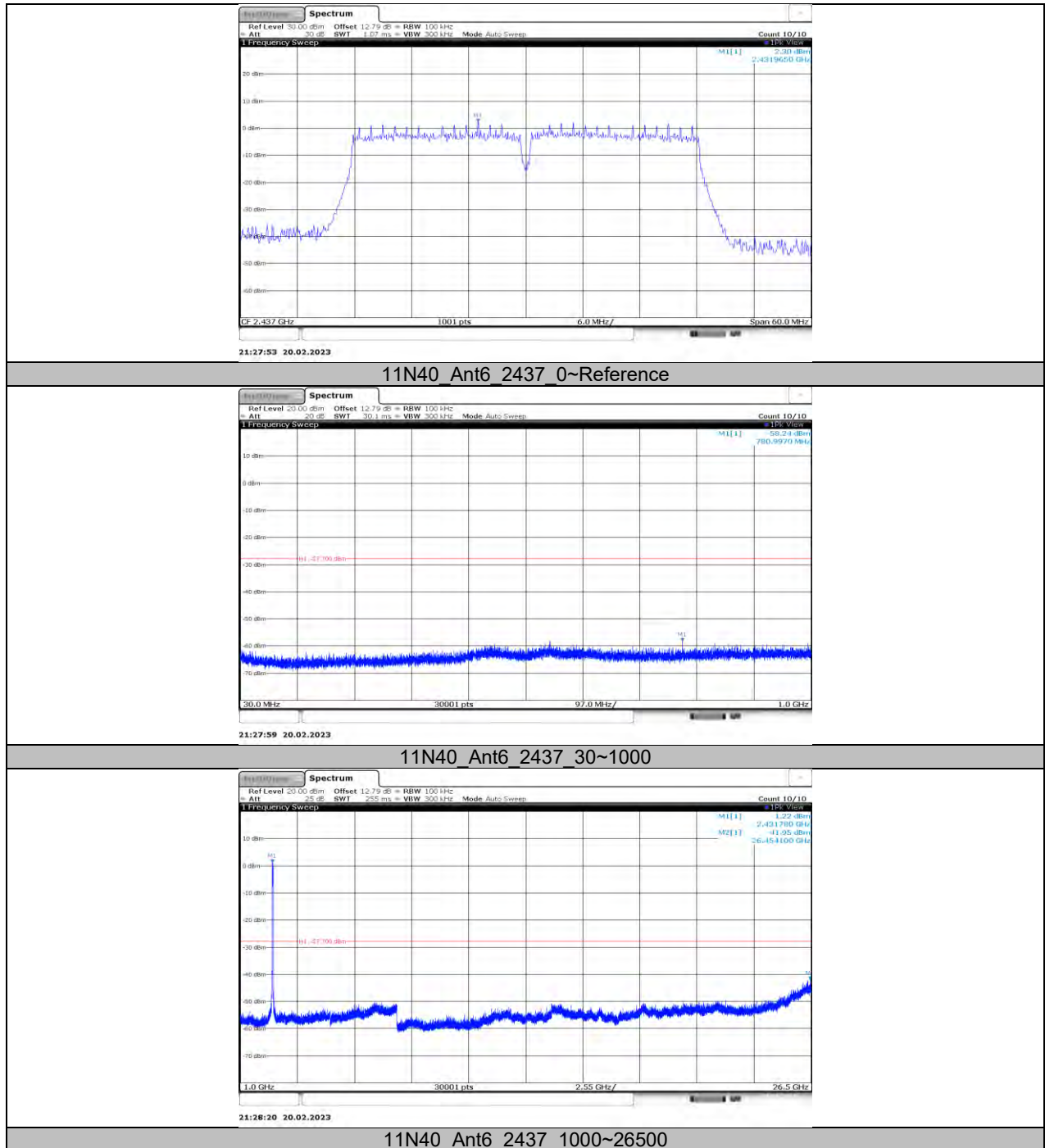


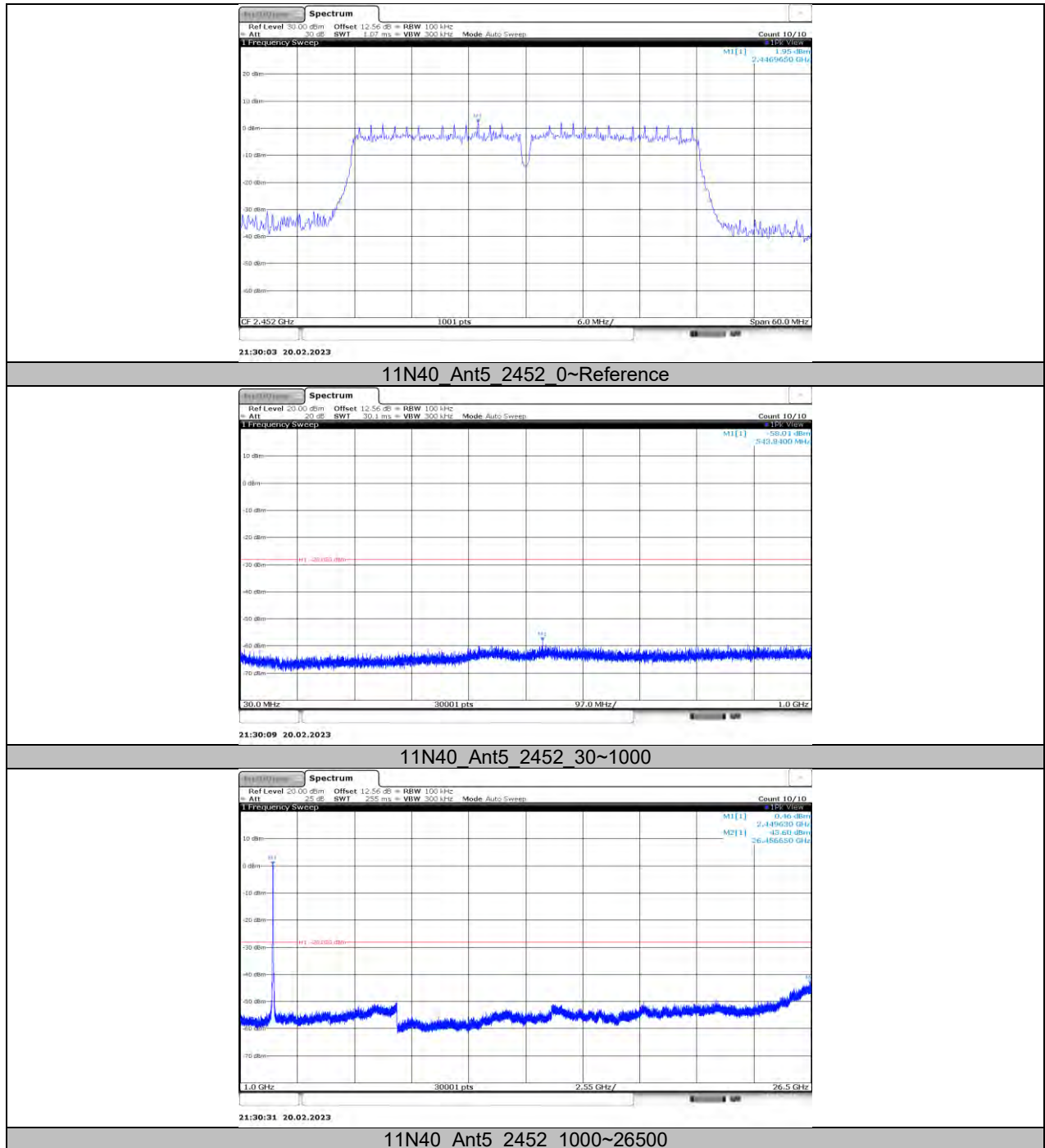


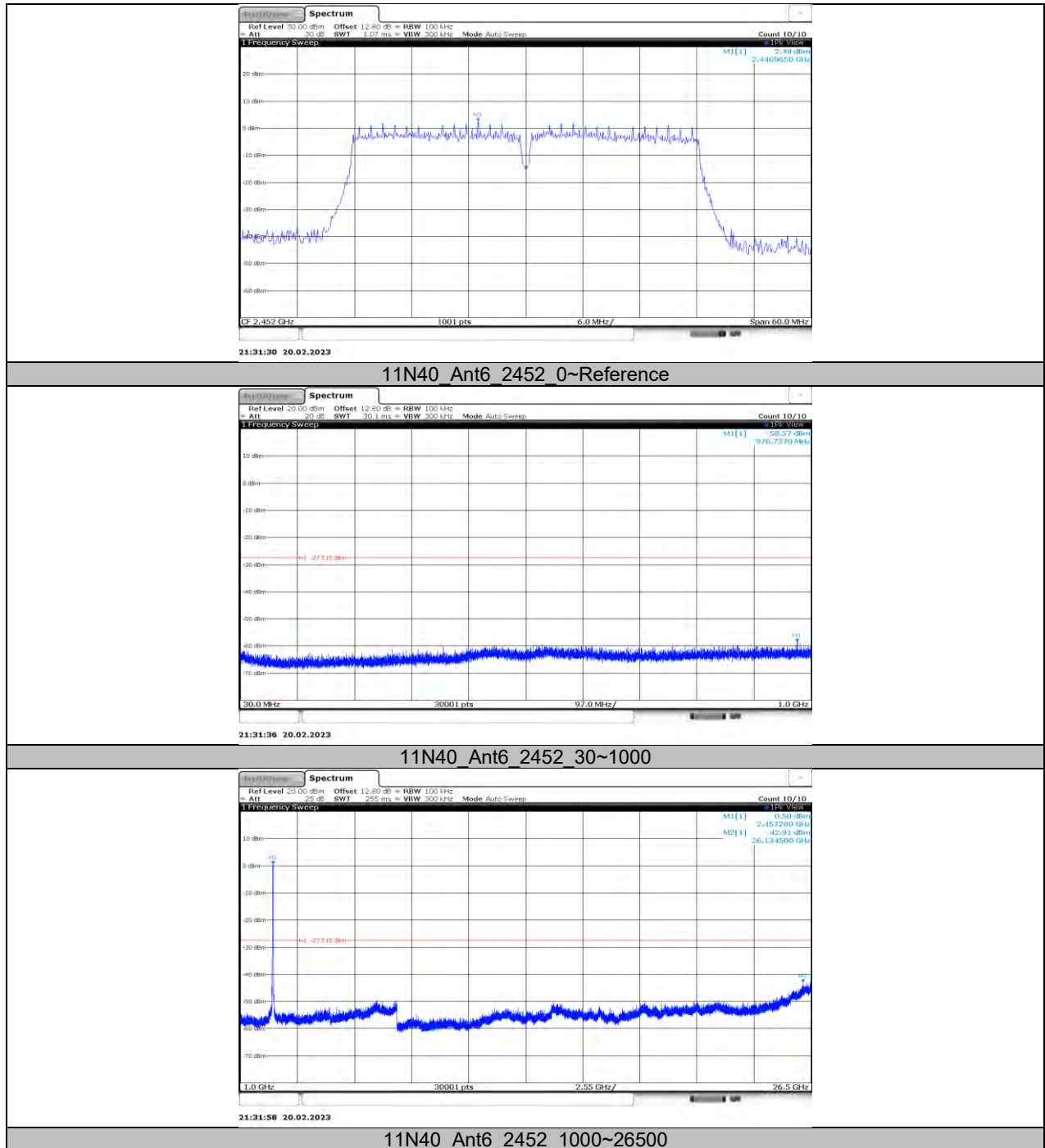


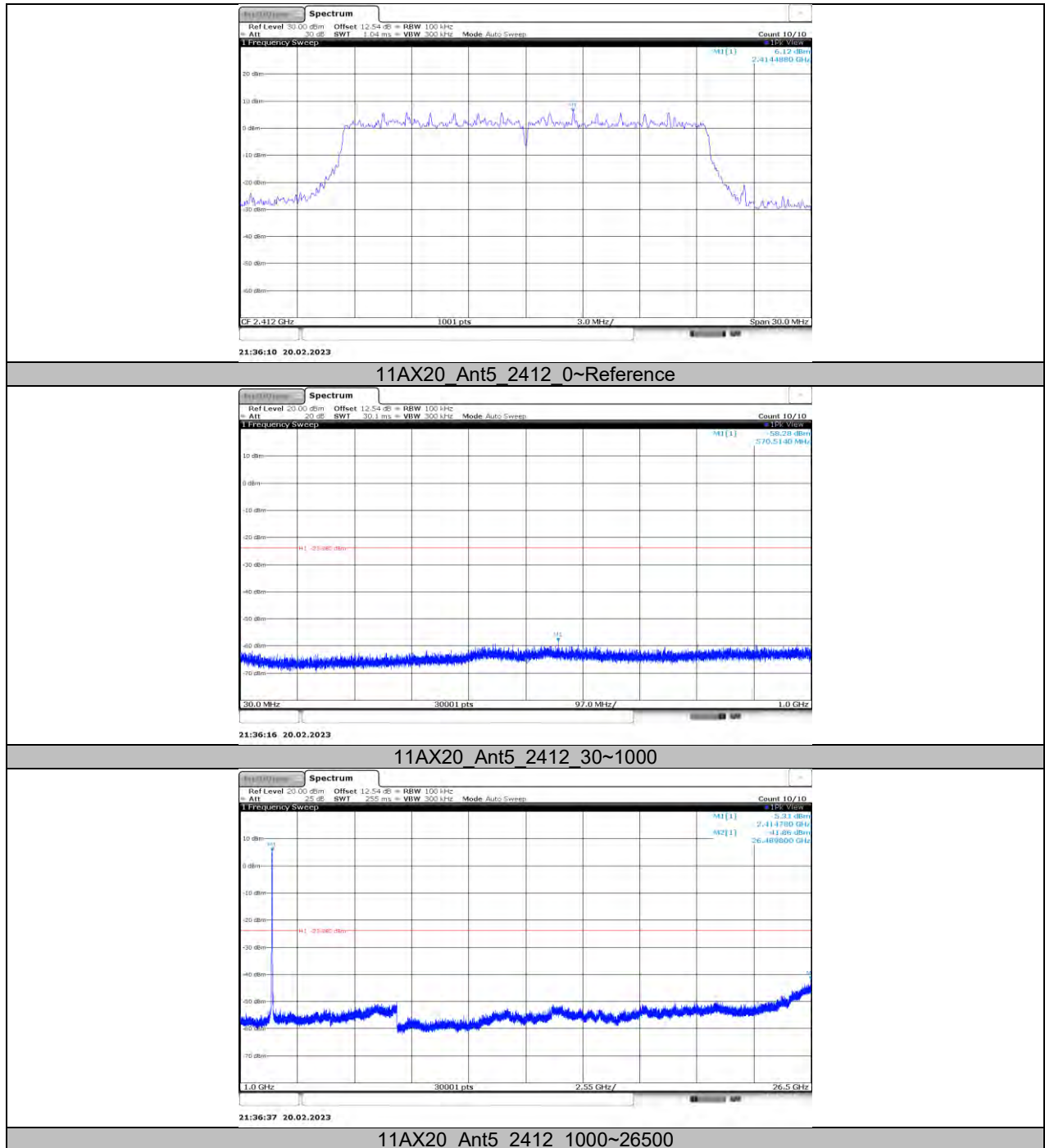


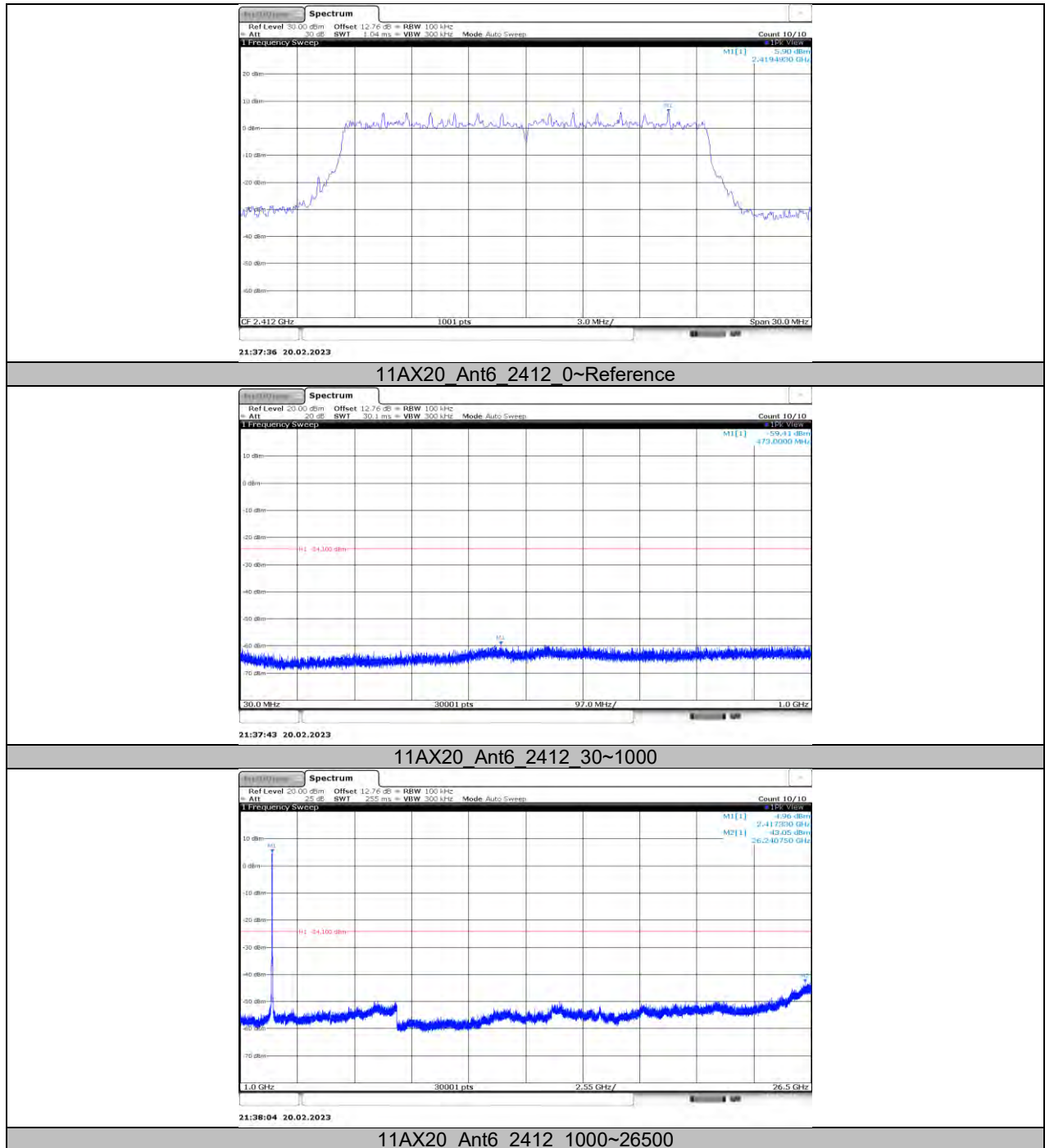


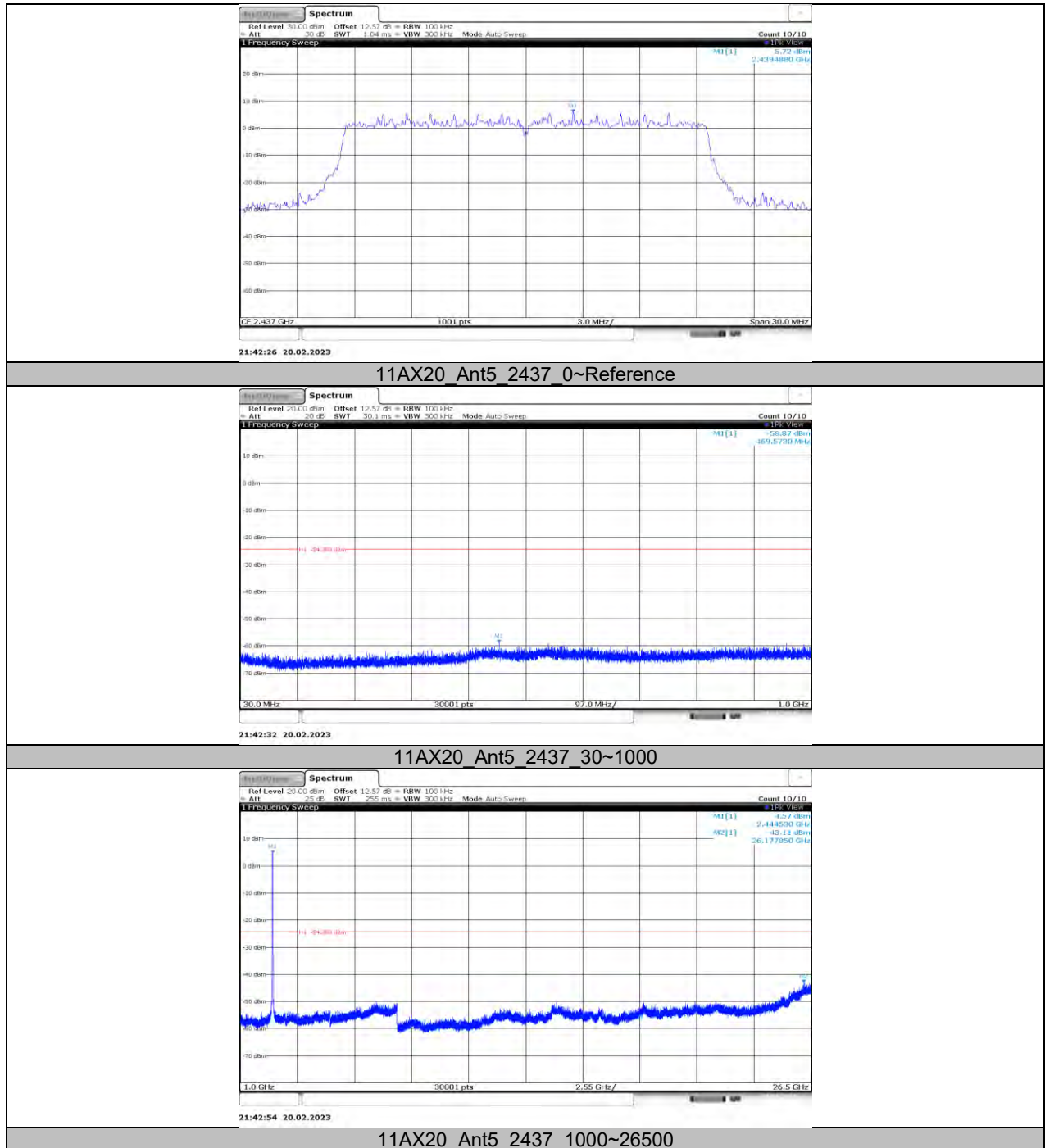


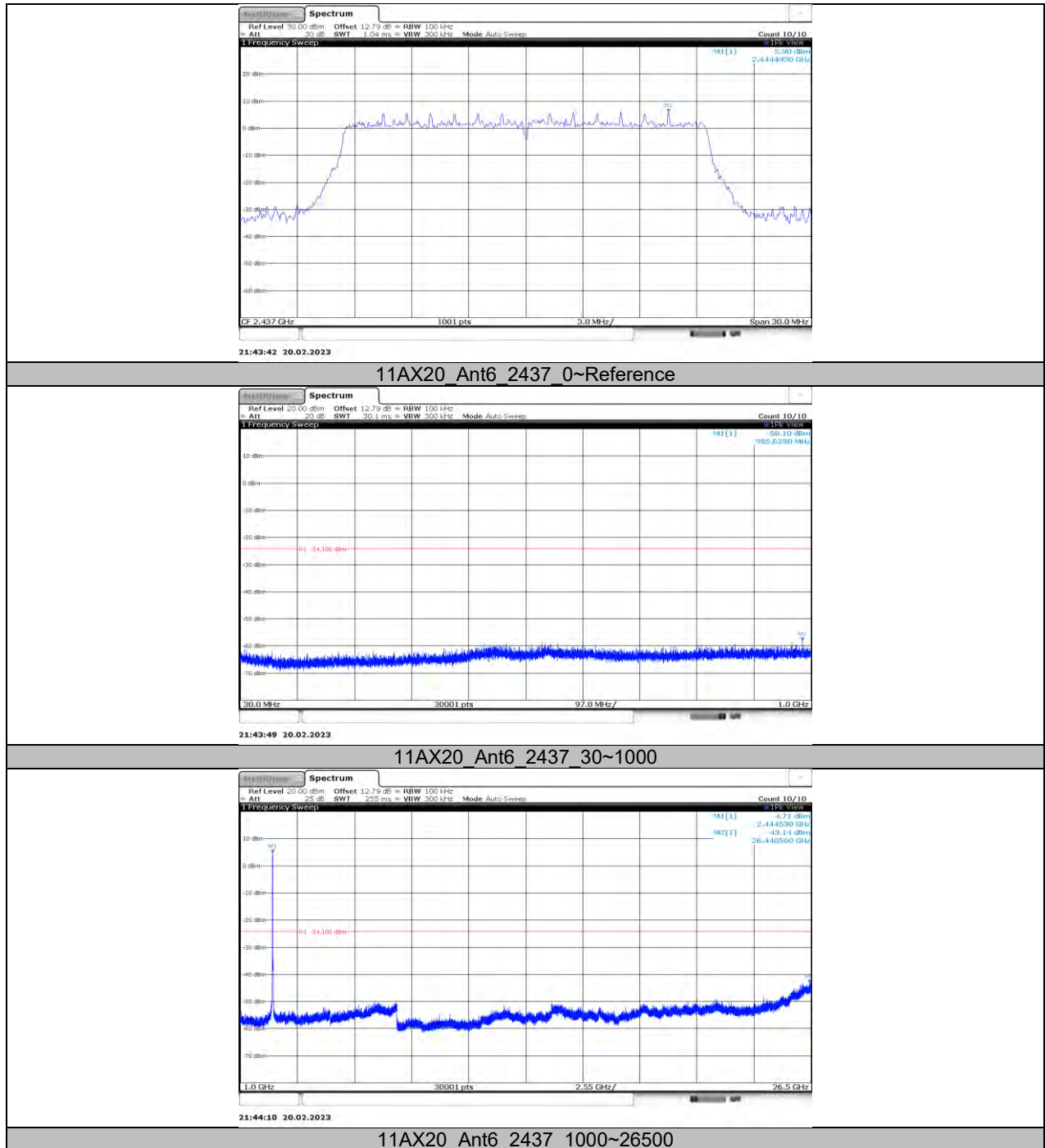


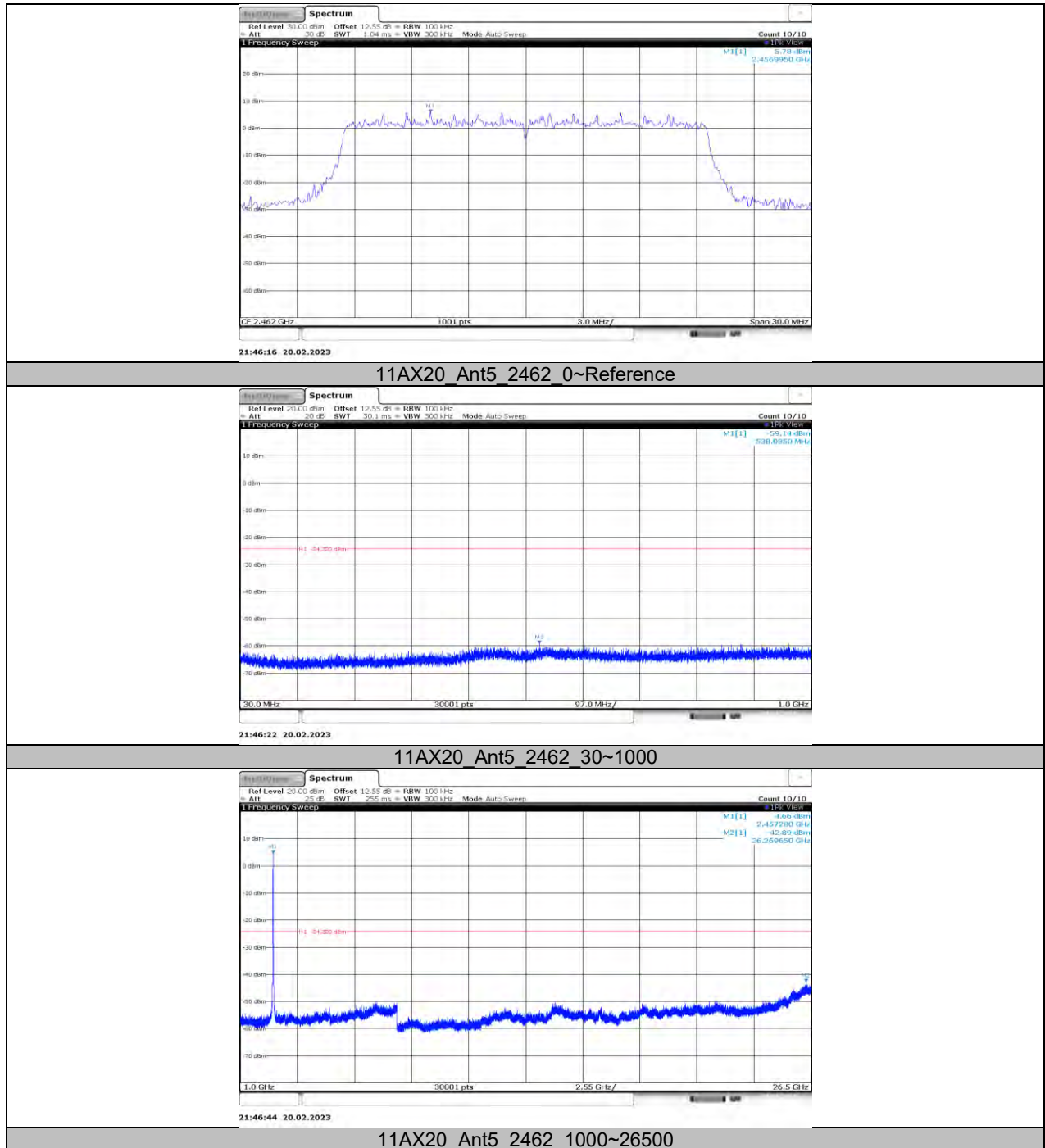


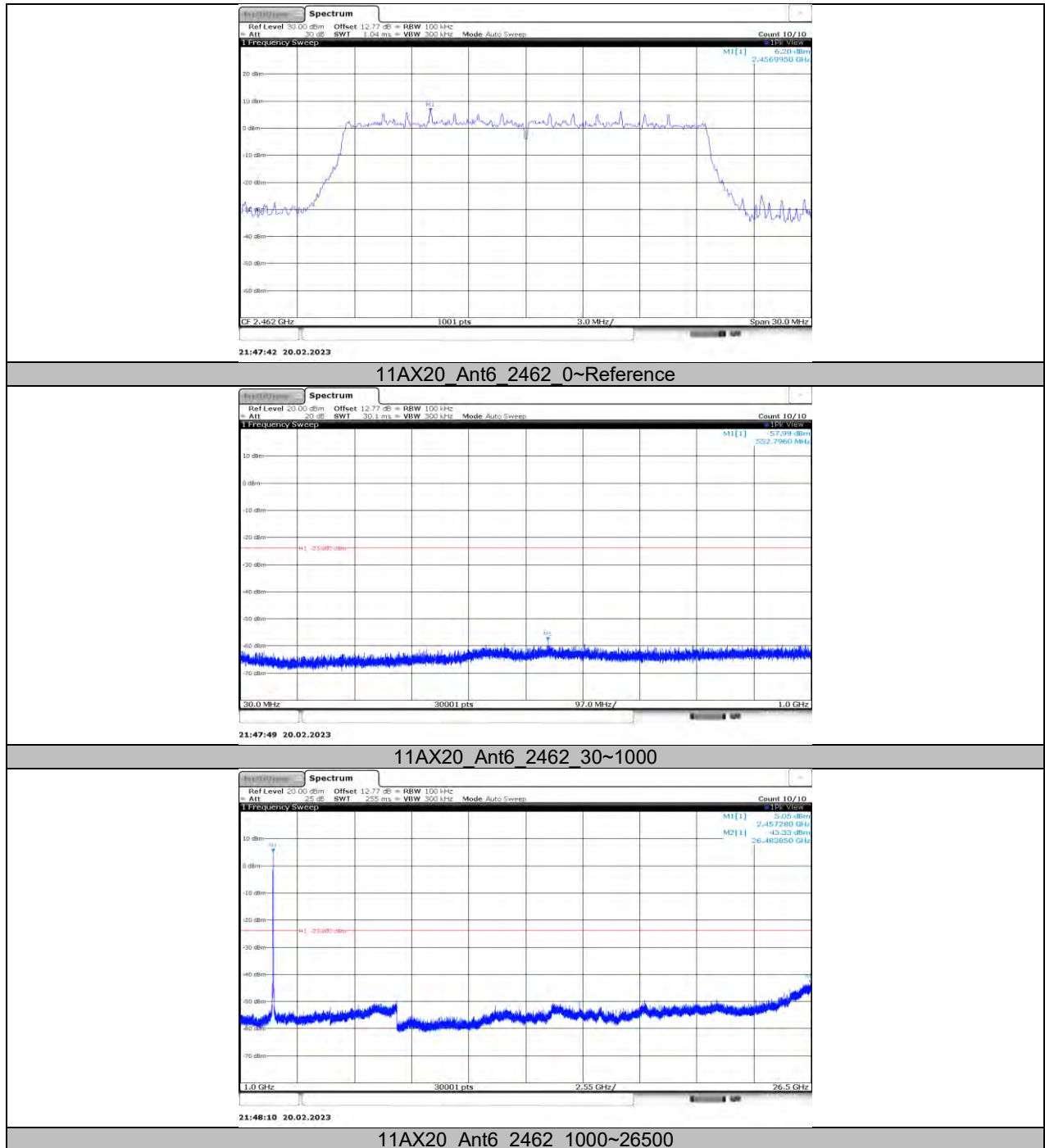


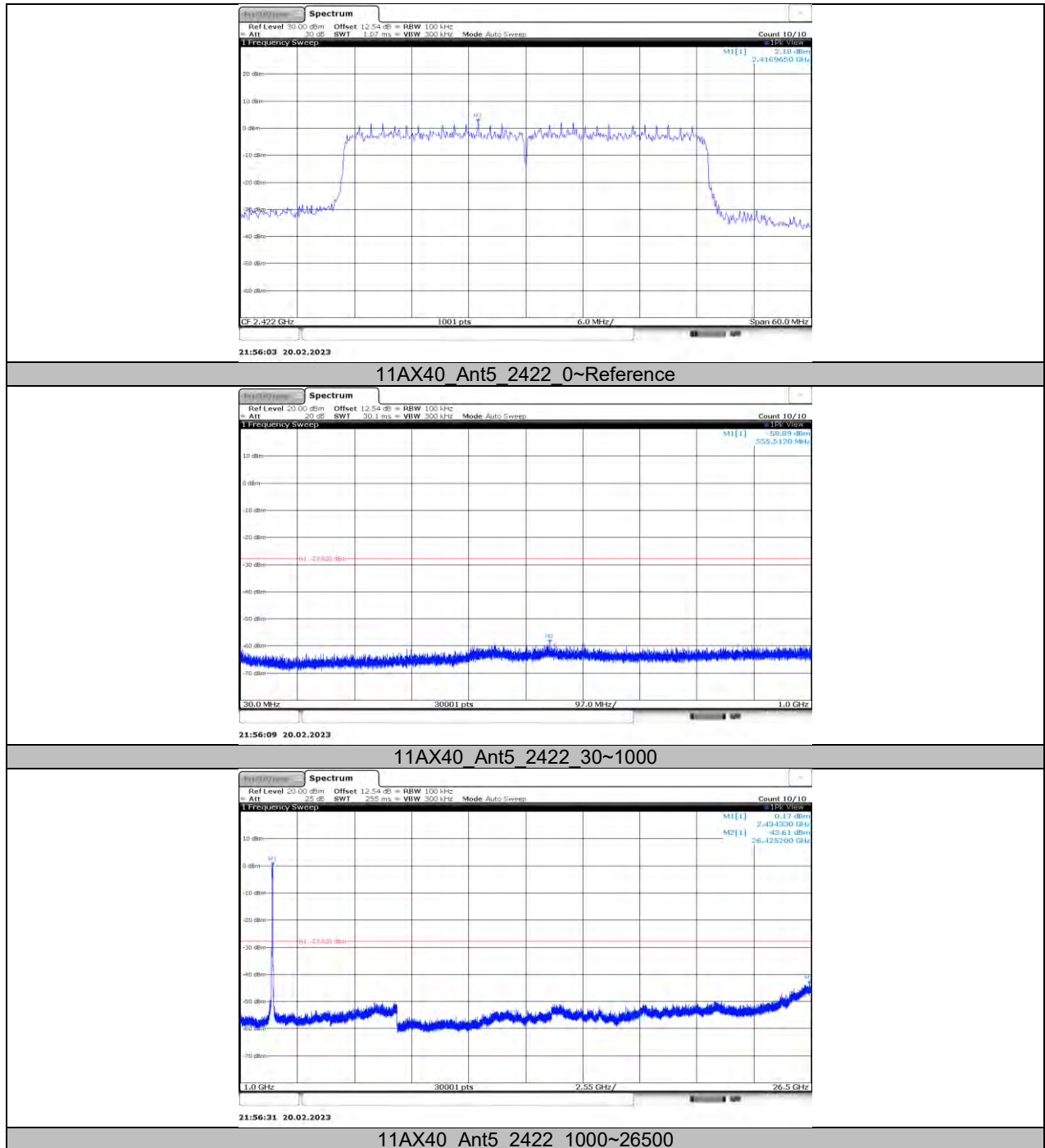


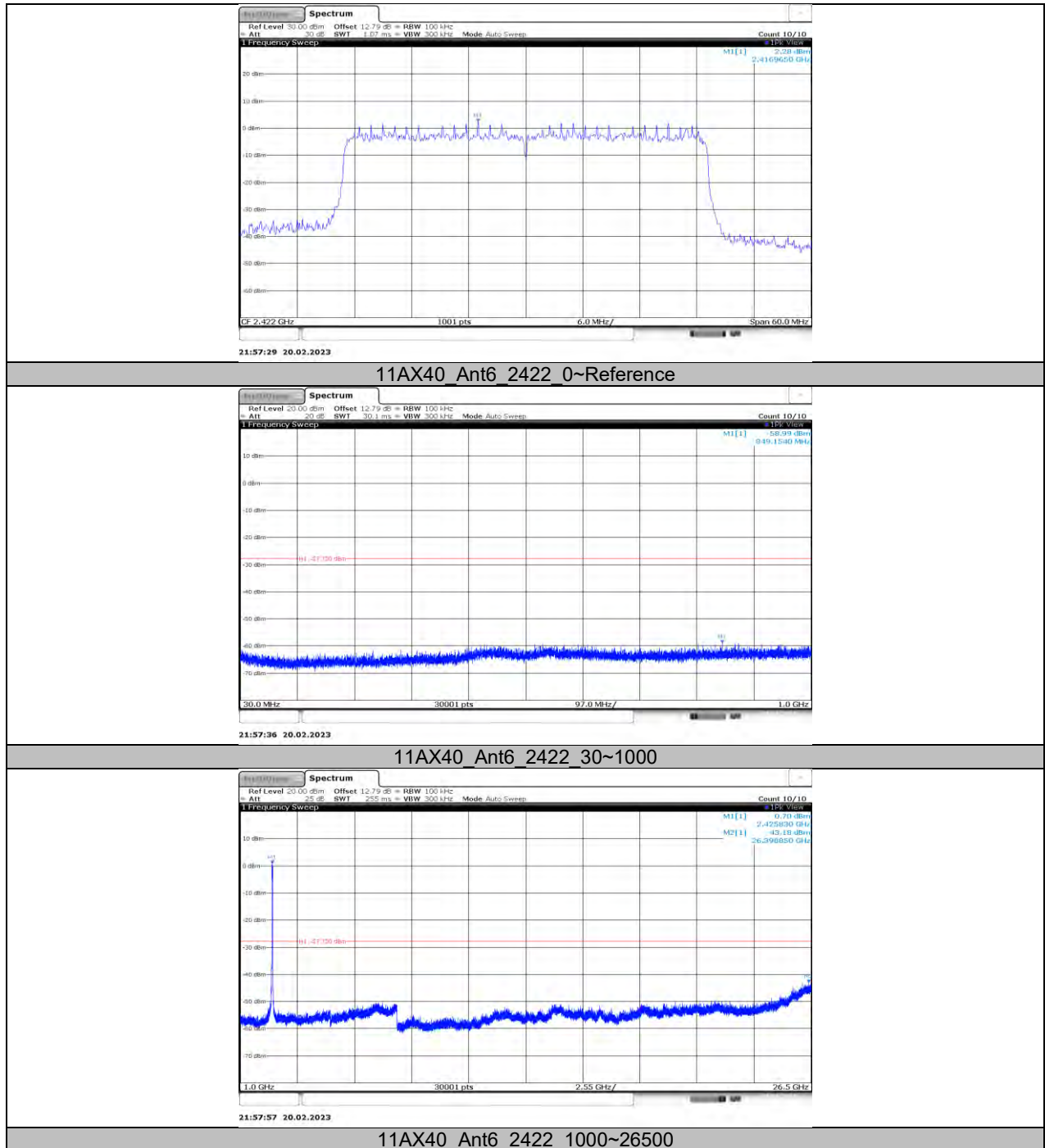


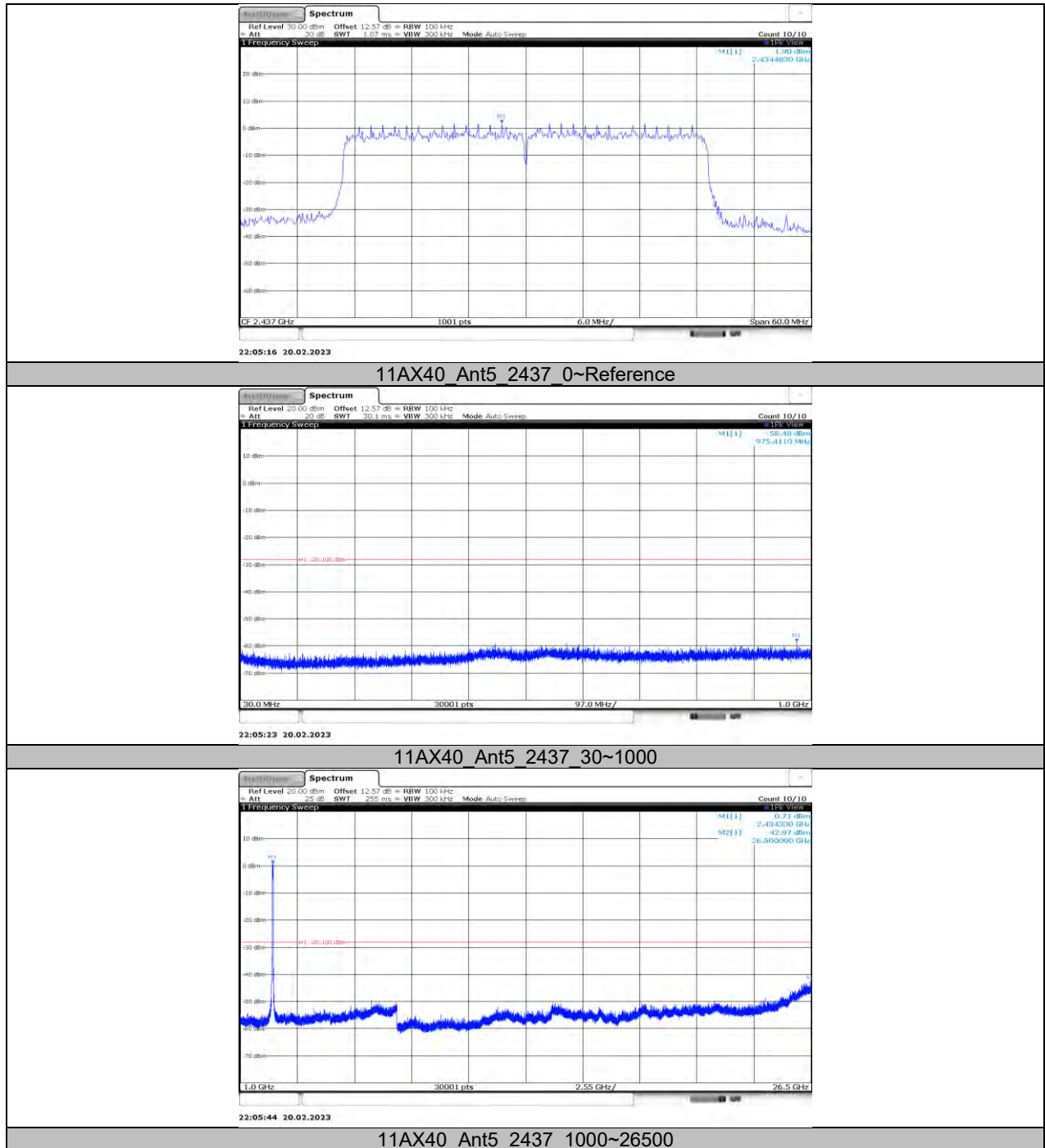


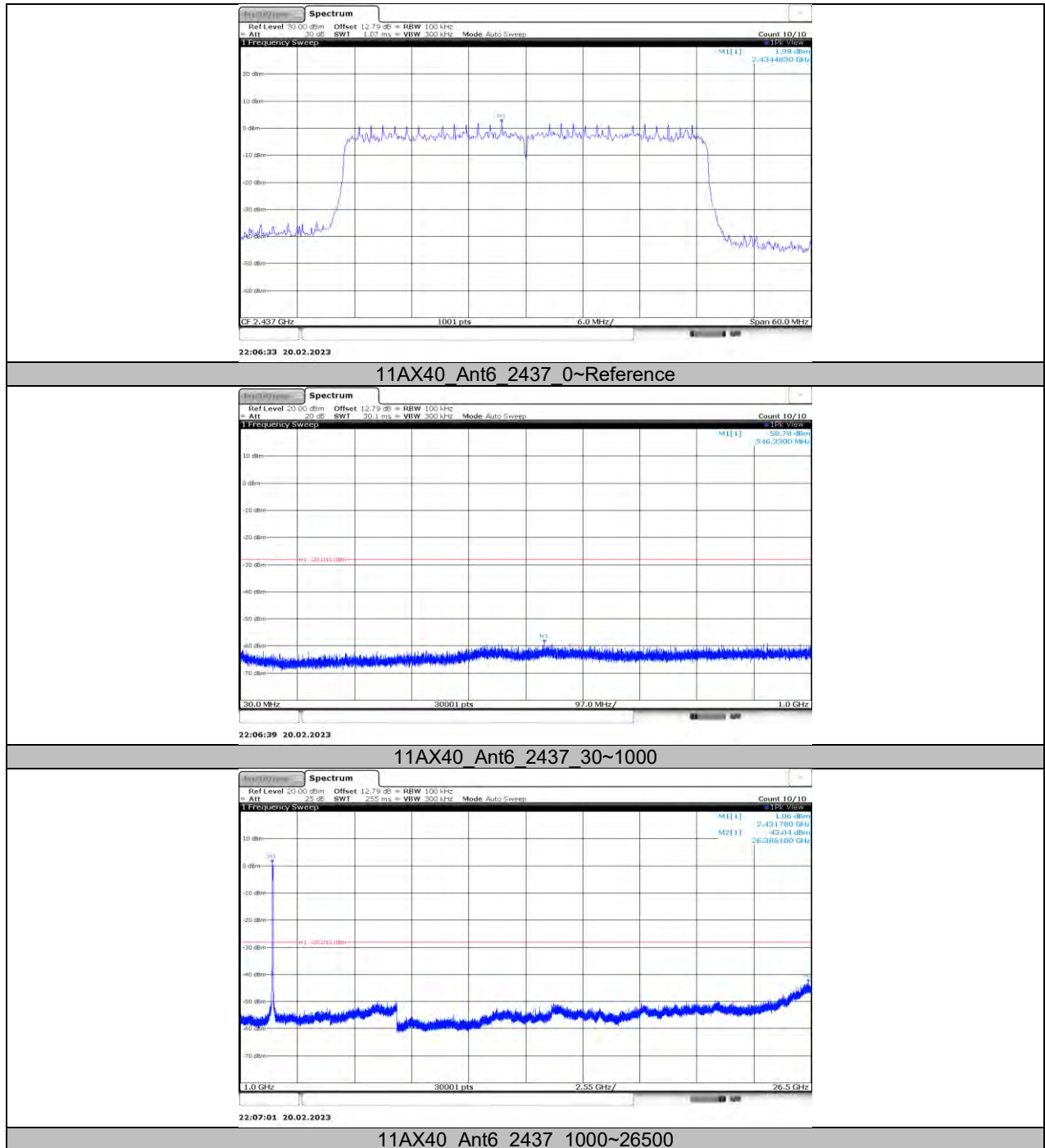


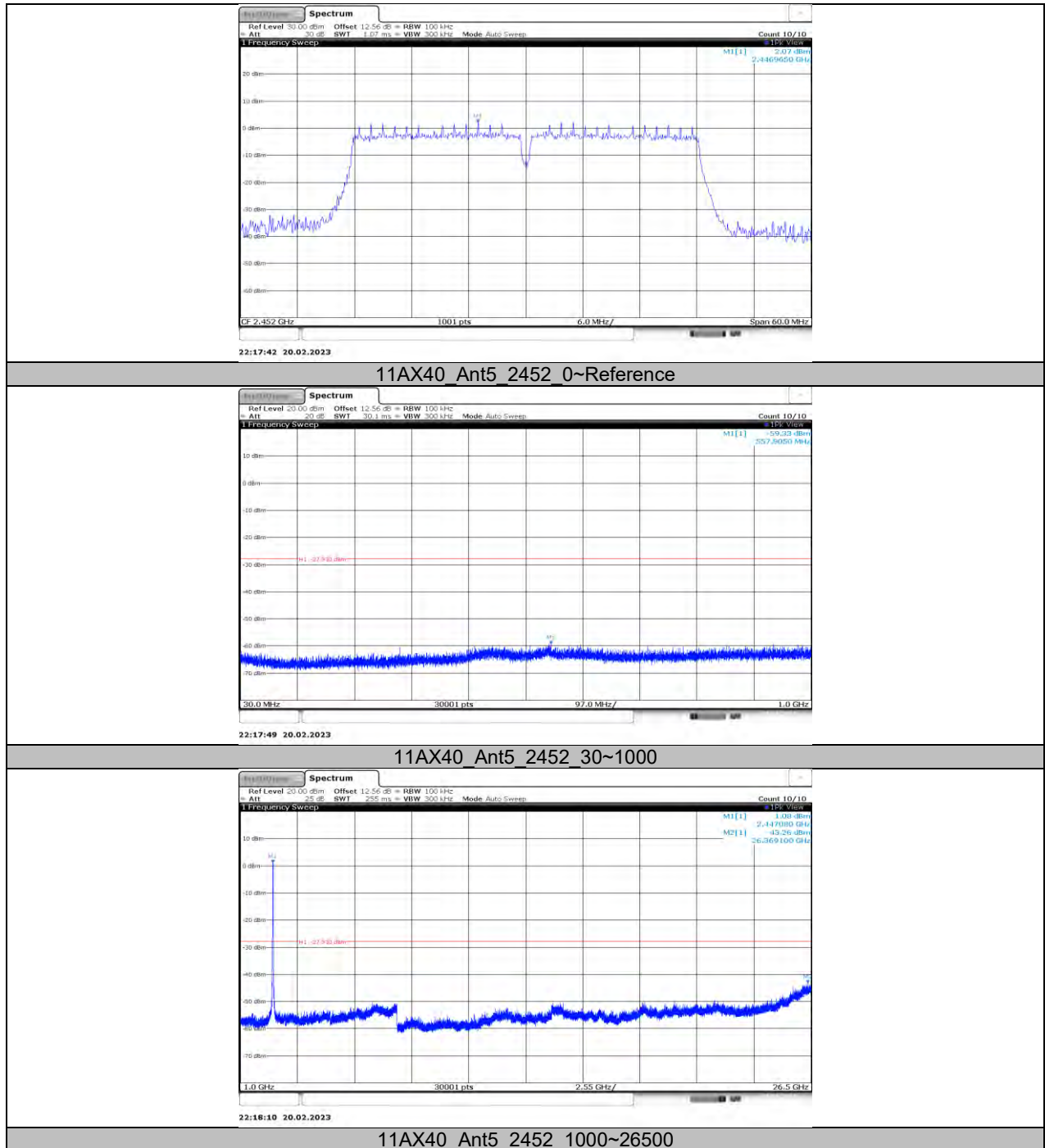


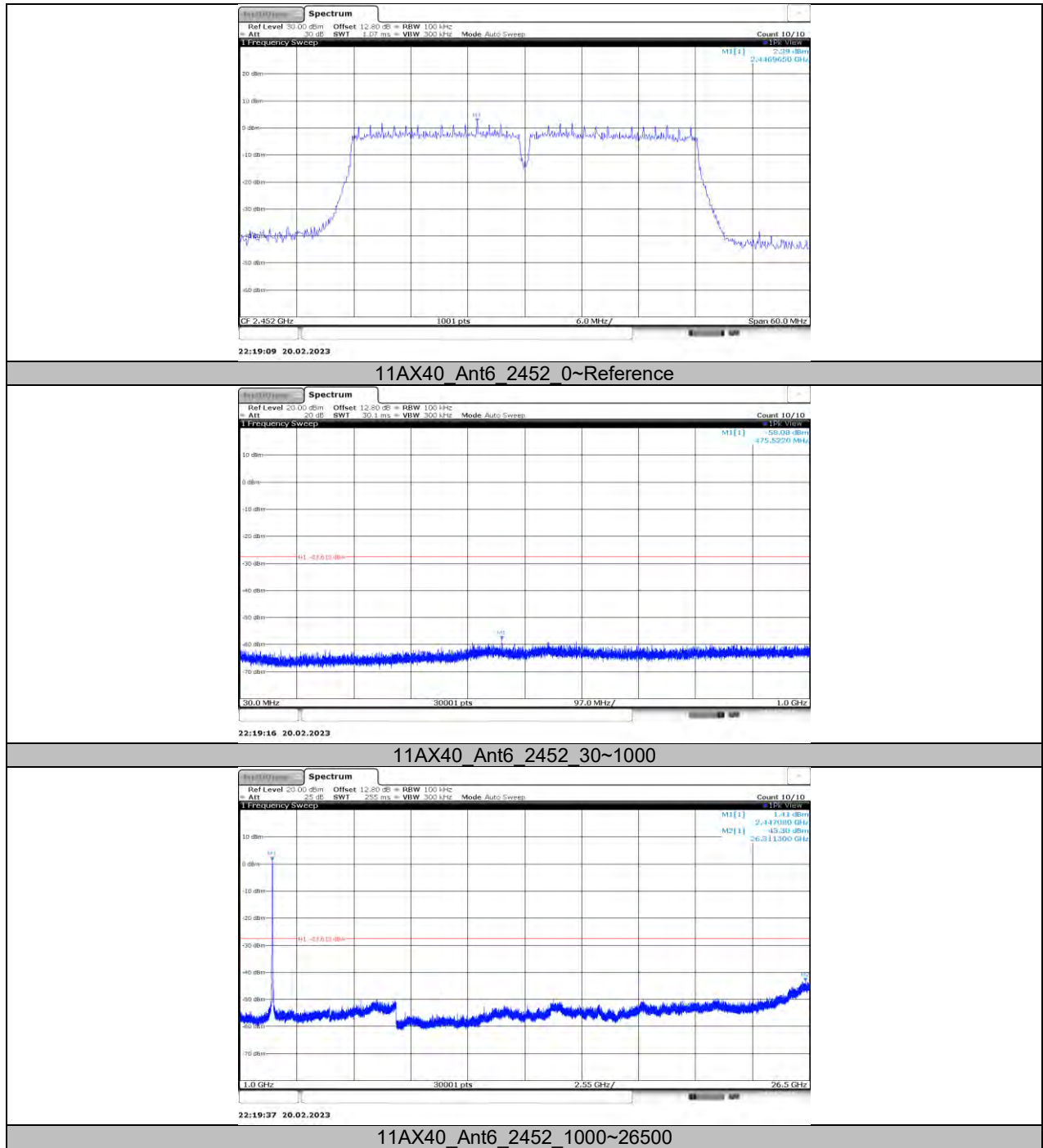












Note: All the modes had been tested, but only the worst data was recorded in the report.

11.7. APPENDIX G: DUTY CYCLE

11.7.1. Test Result

Test Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
11B	8.4	9.04	0.9292	92.92	0.32	0.12	1
11G	0.13	0.23	0.5652	56.52	2.48	7.69	8
11N20	0.14	0.24	0.5833	58.33	2.34	7.14	8
11N40	0.12	0.22	0.5455	54.55	2.63	8.33	9
11AX20	0.32	0.35	0.9143	91.43	0.39	3.13	4
11AX40	0.31	0.34	0.9118	91.18	0.40	3.23	4

Note:

Duty Cycle Correction Factor= $10\log(1/x)$.

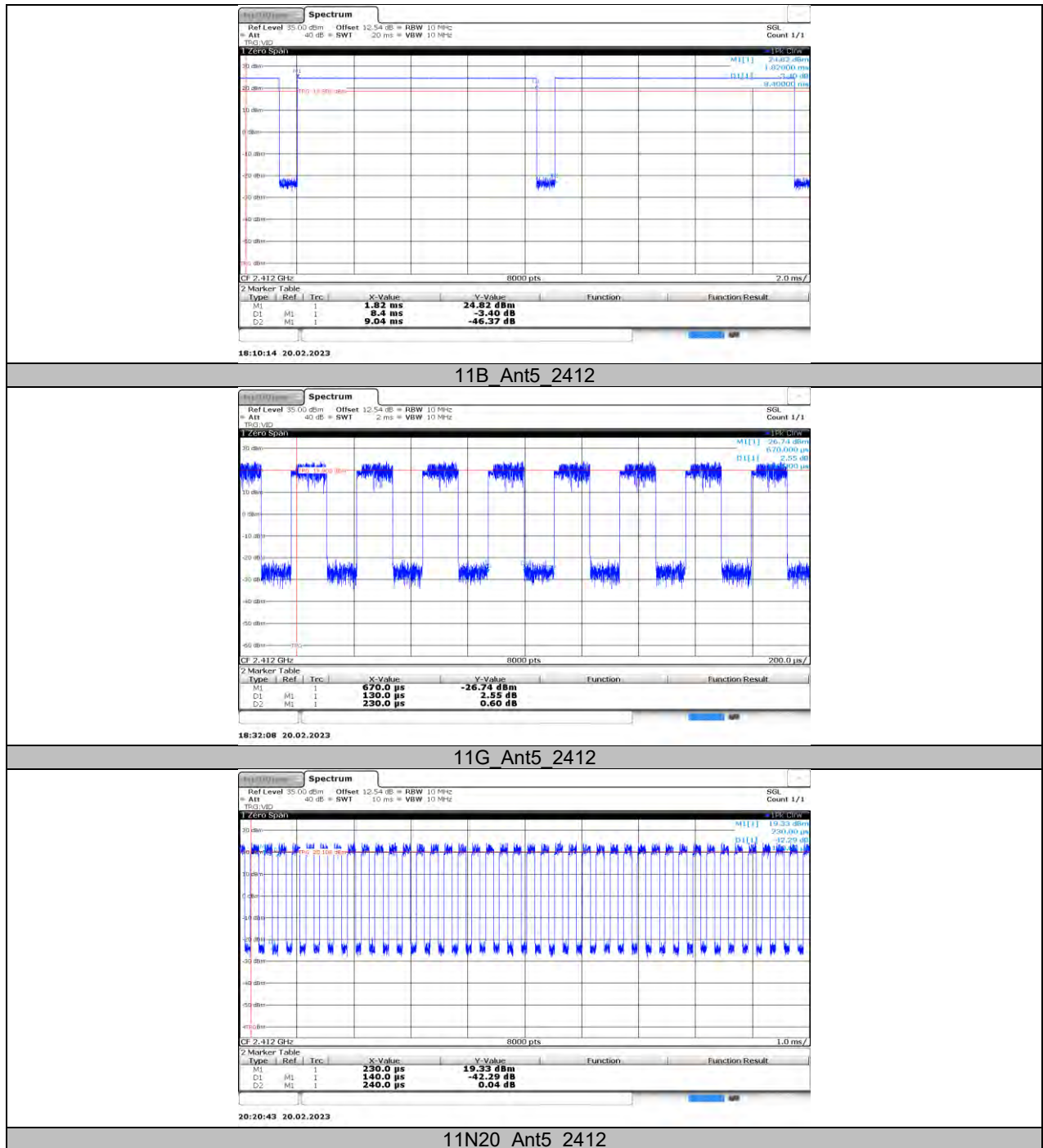
Where: x is Duty Cycle (Linear)

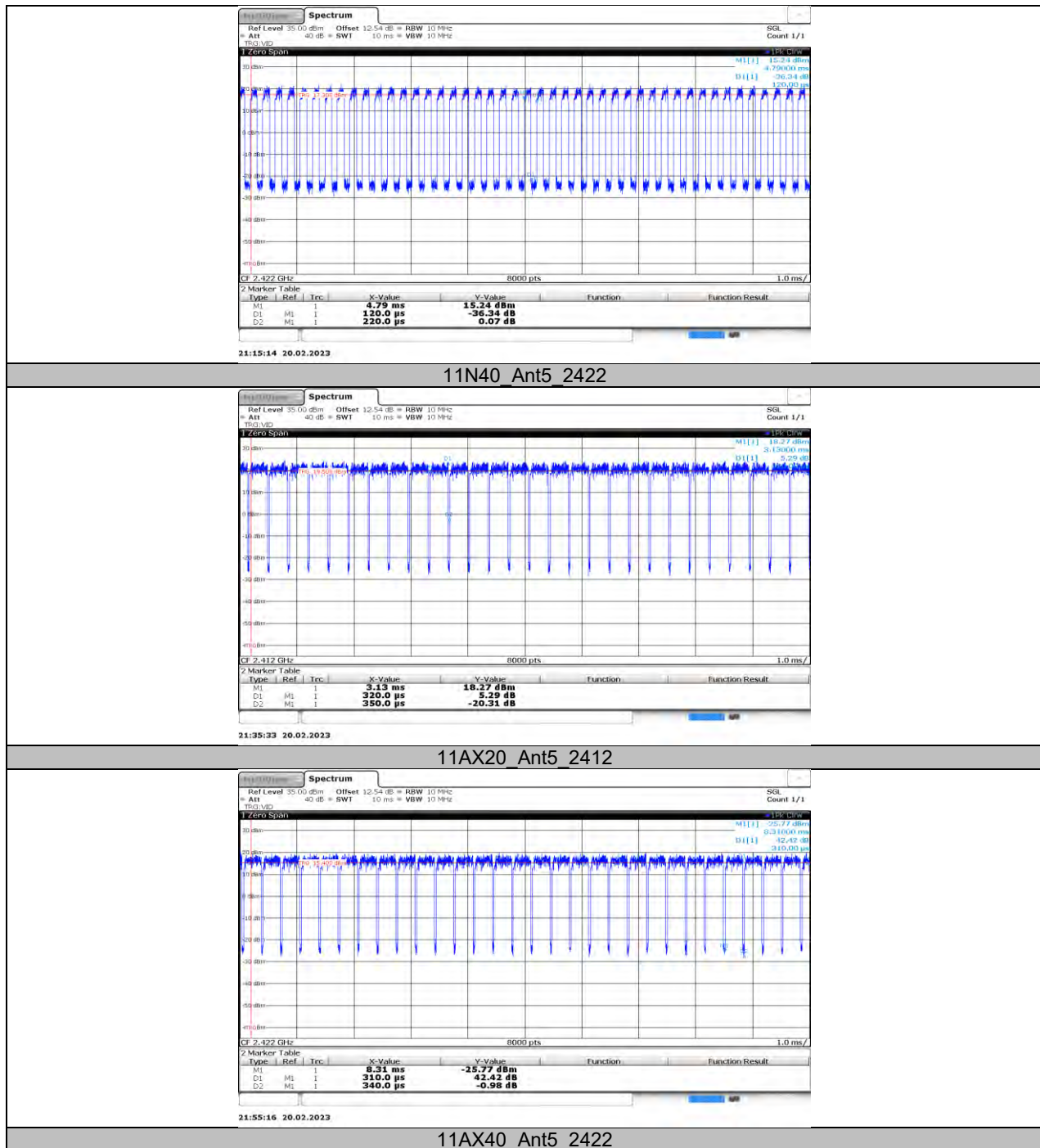
Where: T is On Time

If that calculated VBW is not available on the analyzer then the next higher value should be used.

Note: All the modes had been tested, but only the worst data was recorded in the report.

11.7.2. Test Graphs





Note: All the modes had been tested, but only the worst data was recorded in the report.

END OF REPORT