

11AX40MIMO Ant1 5230_26Tone_RU17

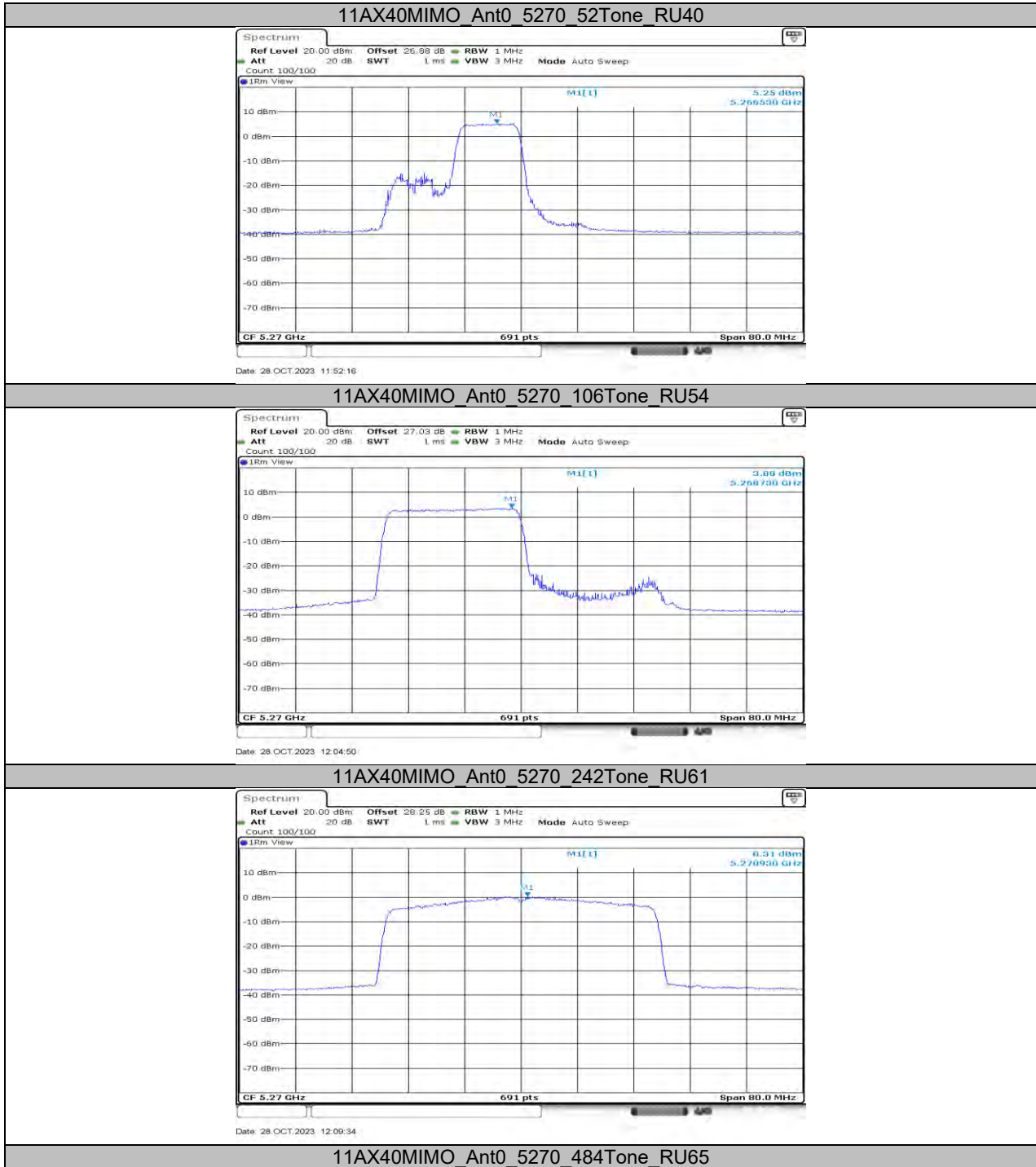


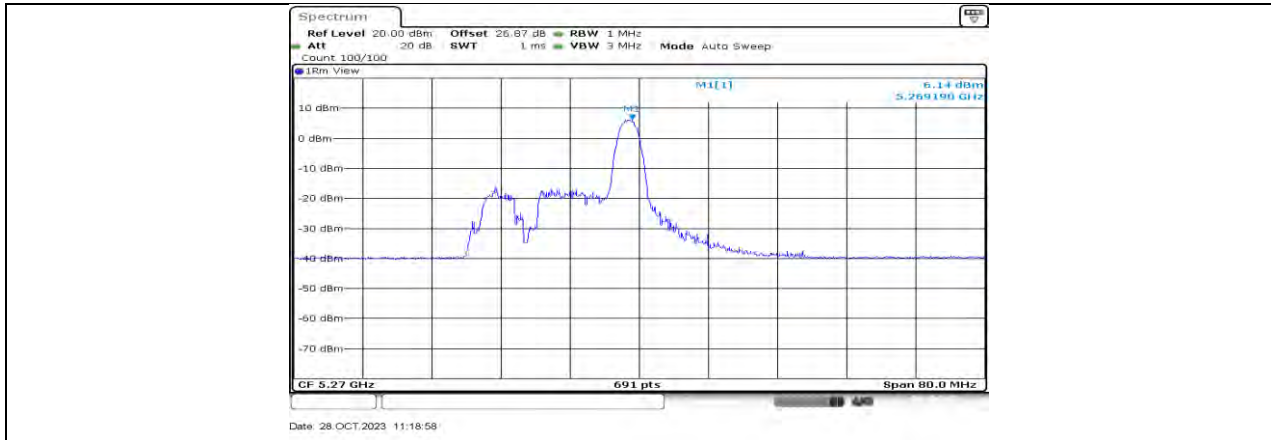
11AX40MIMO Ant1 5230_484Tone_RU65



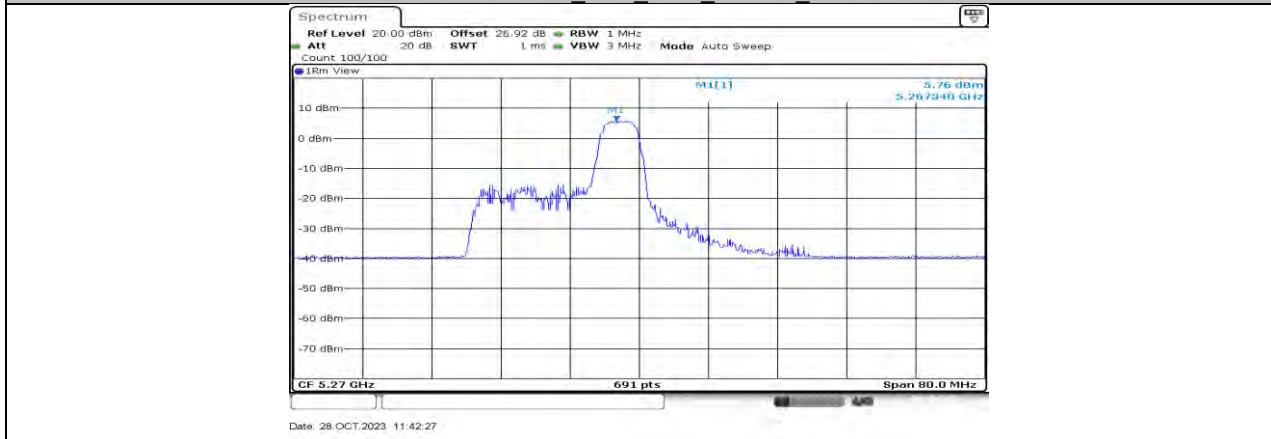
11AX40MIMO Ant0 5270_26Tone_RU8







11AX40MIMO Ant1 5270 26Tone RU8

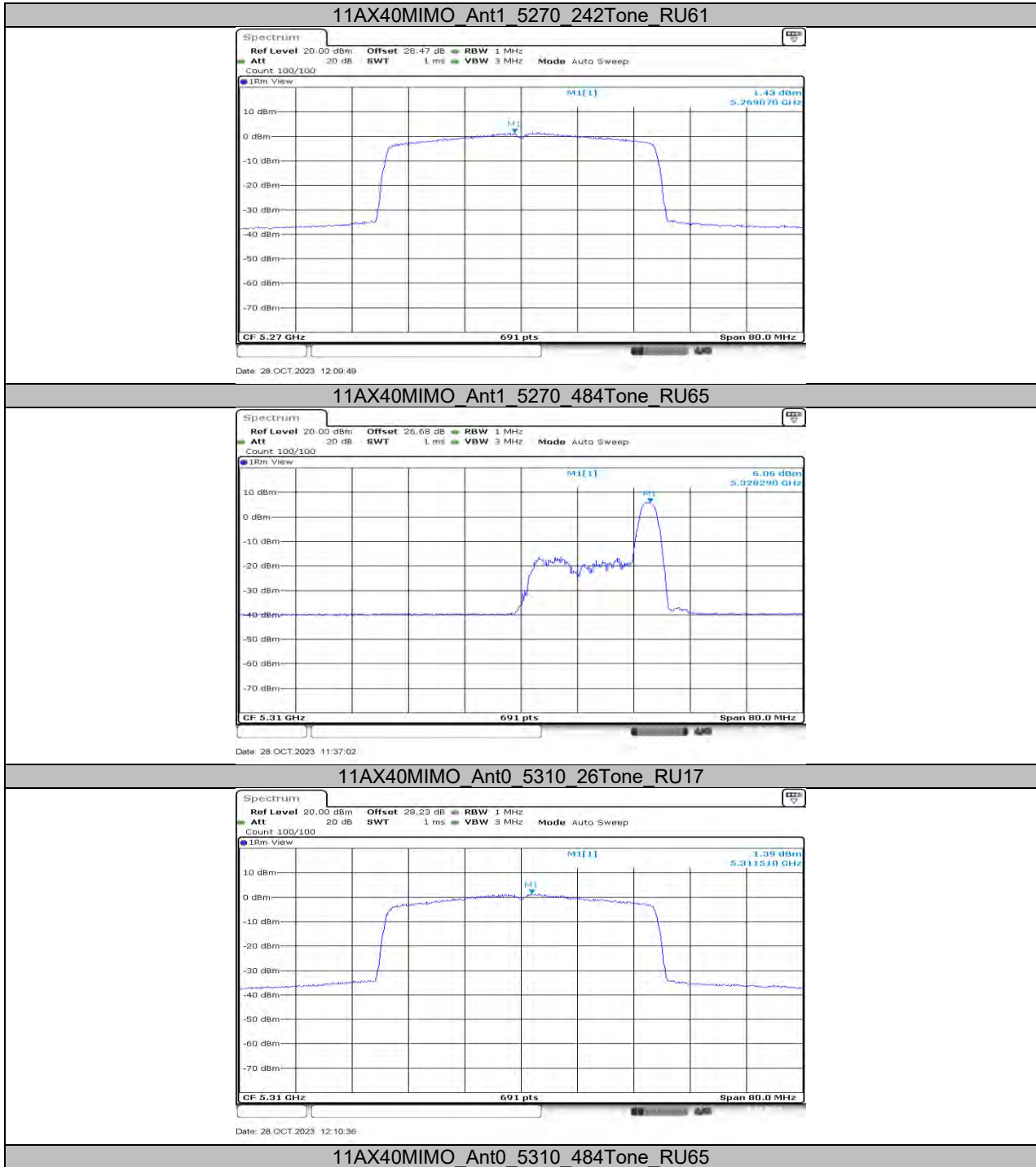


11AX40MIMO Ant1 5270 52Tone RU40



11AX40MIMO Ant1 5270 106Tone RU54







11AX40MIMO Ant1 5310_26Tone_RU17

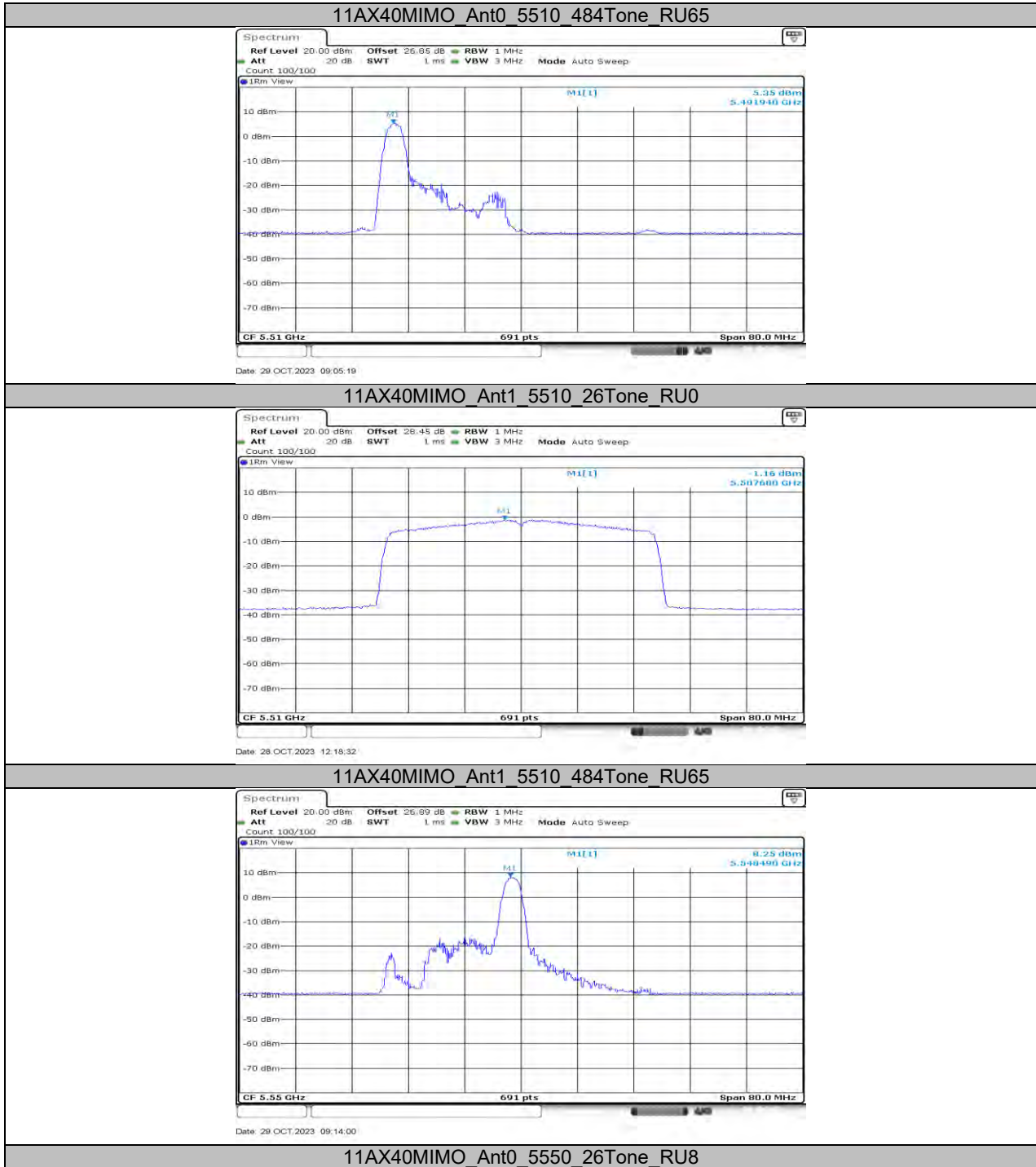


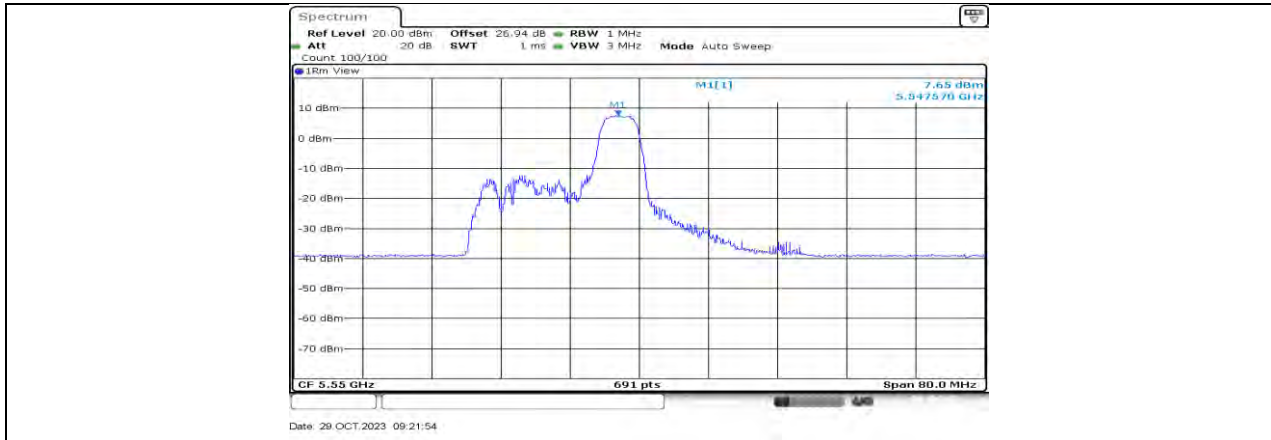
11AX40MIMO Ant1 5310_484Tone_RU65



11AX40MIMO Ant0 5510_26Tone_RU0







11AX40MIMO Ant0 5550_52Tone_RU40

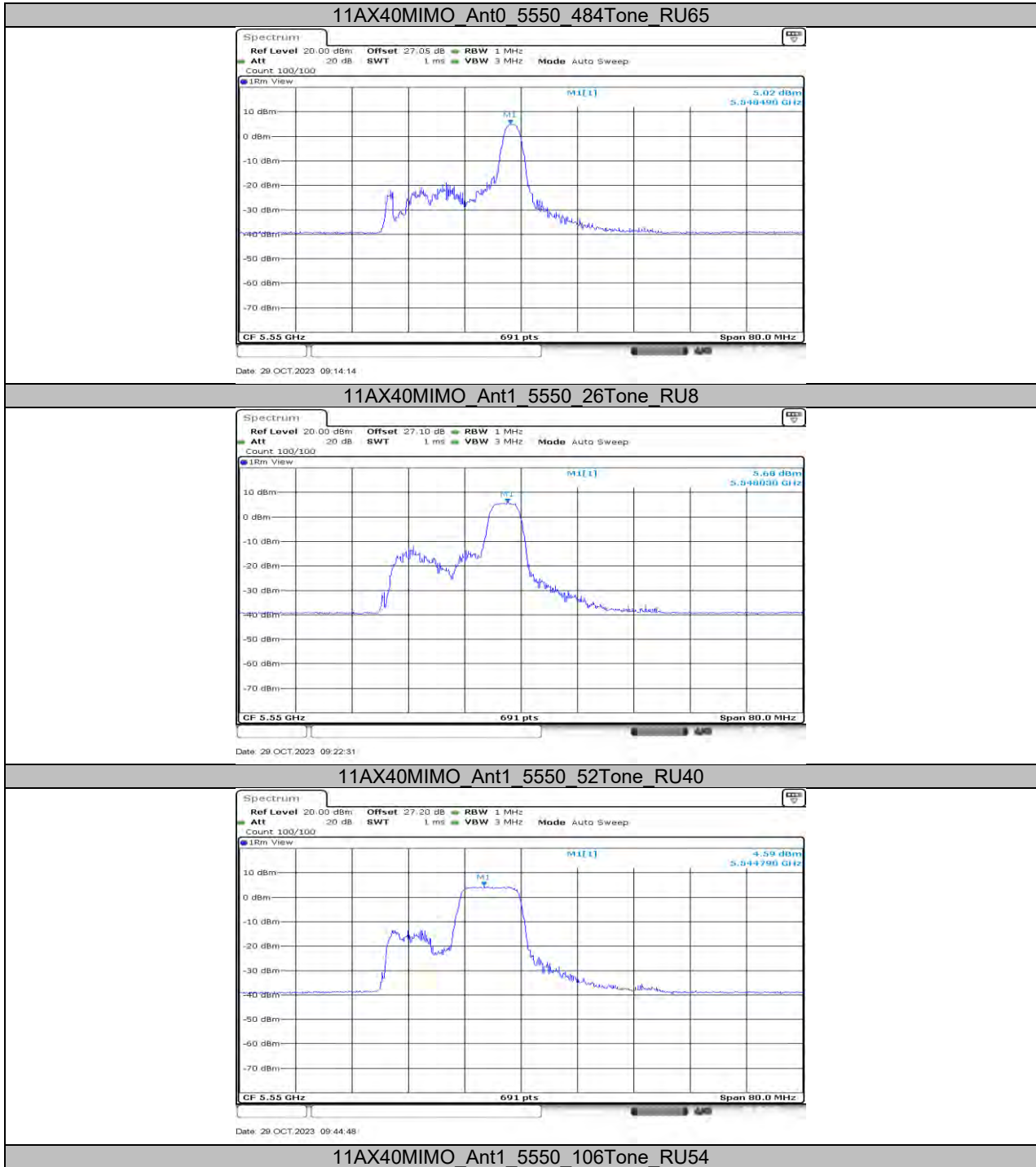


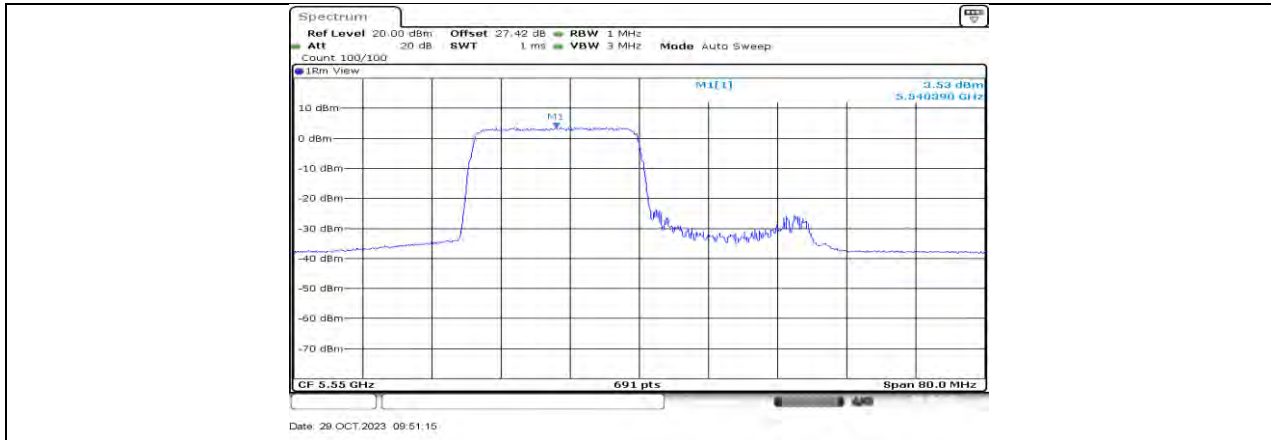
11AX40MIMO Ant0 5550_106Tone_RU54



11AX40MIMO Ant0 5550_242Tone_RU61







11AX40MIMO Ant1 5550 242Tone RU61

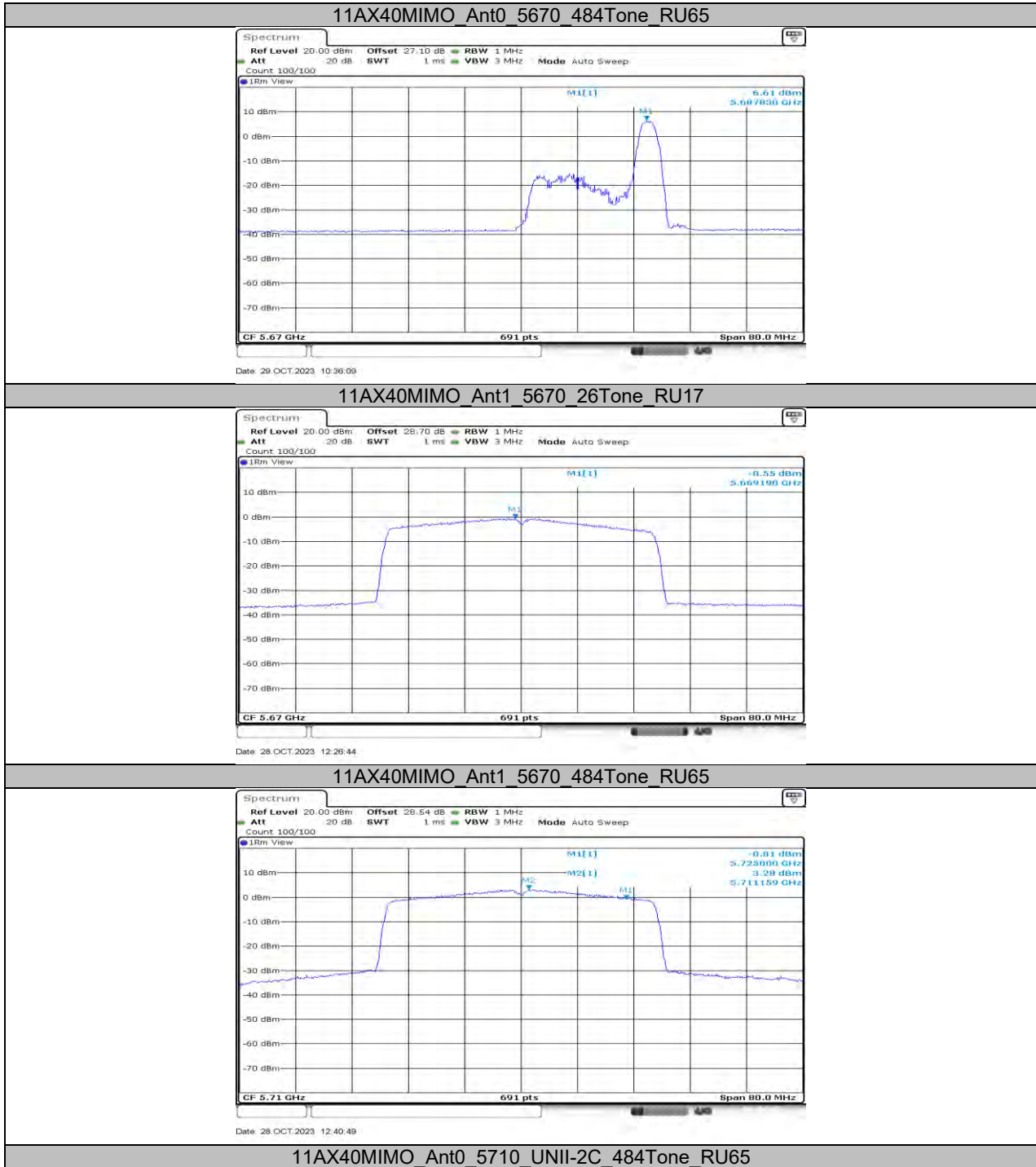


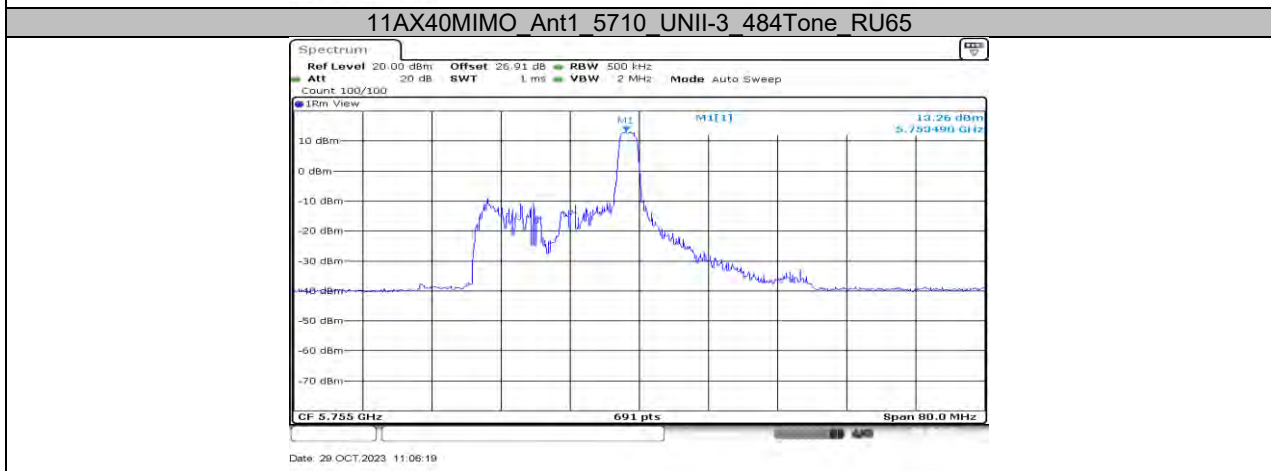
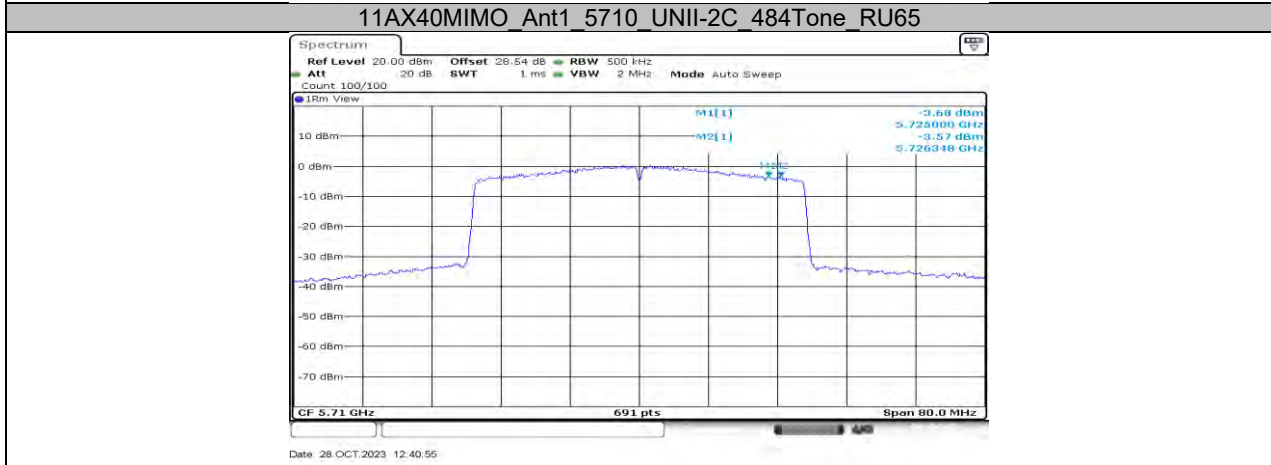
11AX40MIMO Ant1 5550 484Tone RU65

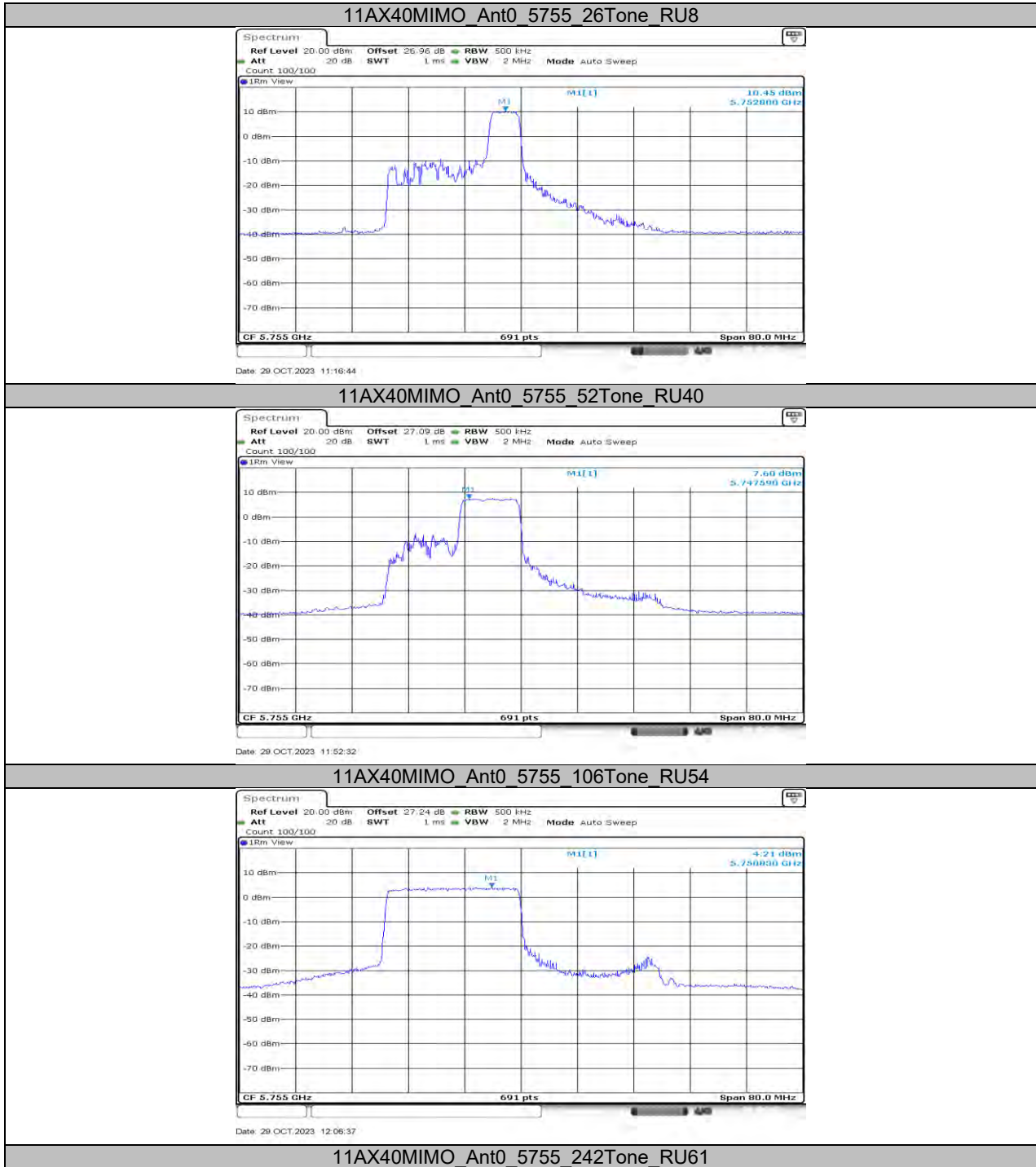


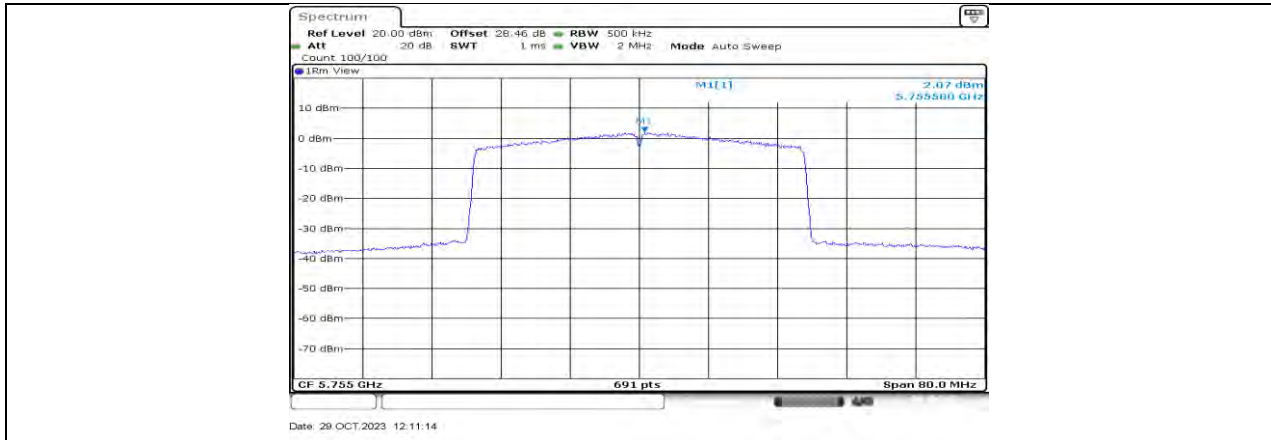
11AX40MIMO Ant0 5670 26Tone RU17







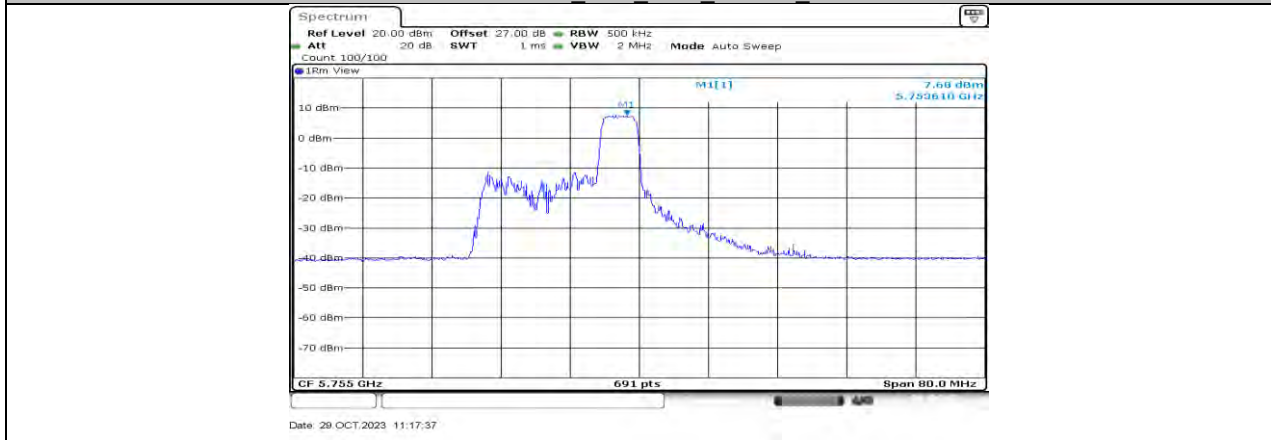




11AX40MIMO Ant0 5755 484Tone RU65

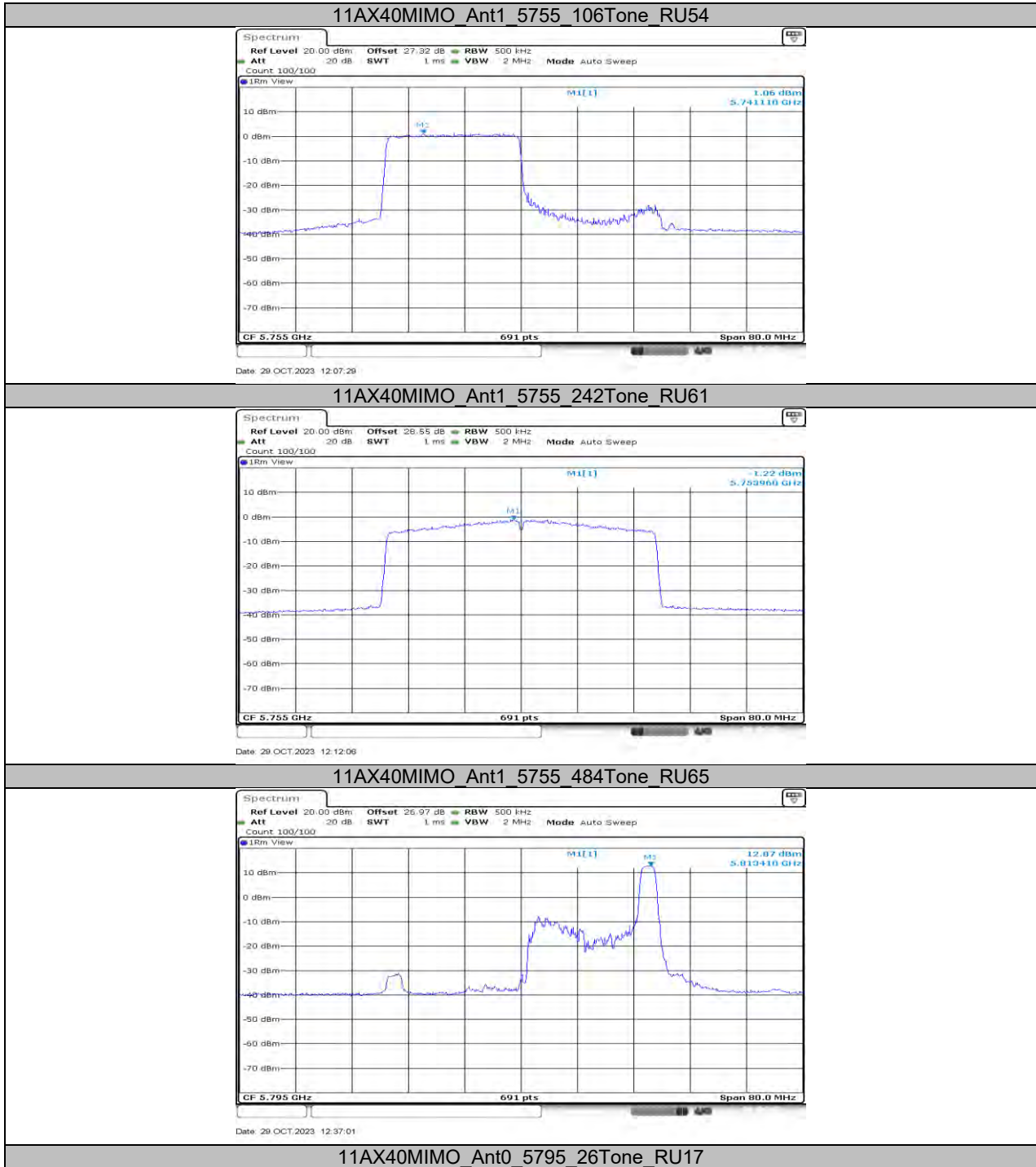


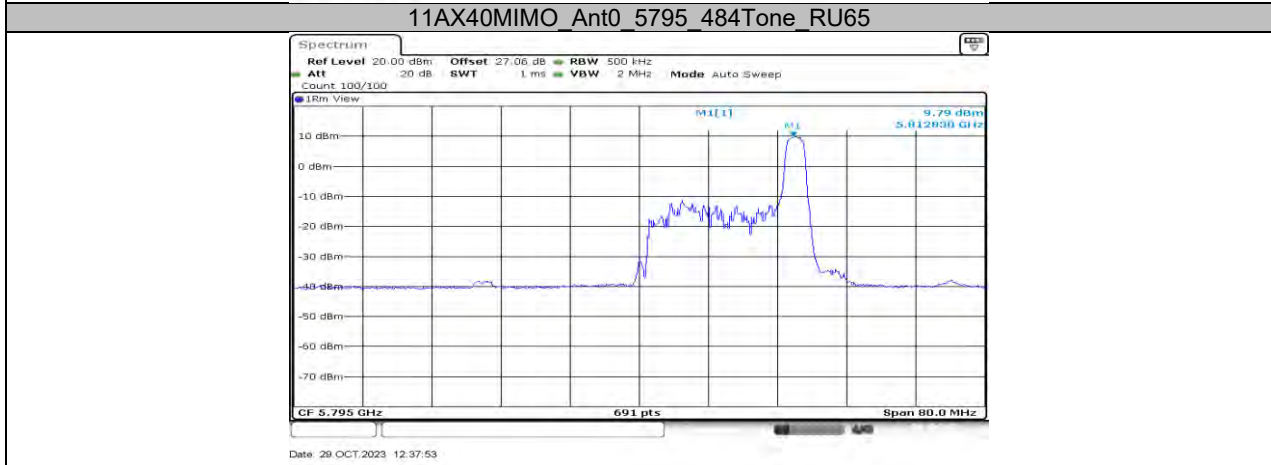
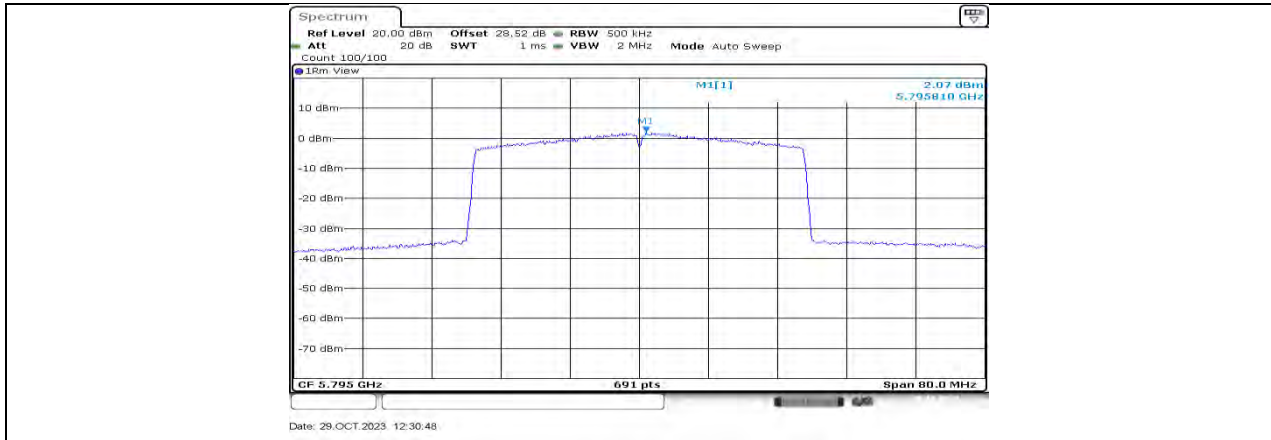
11AX40MIMO Ant1 5755 26Tone RU8

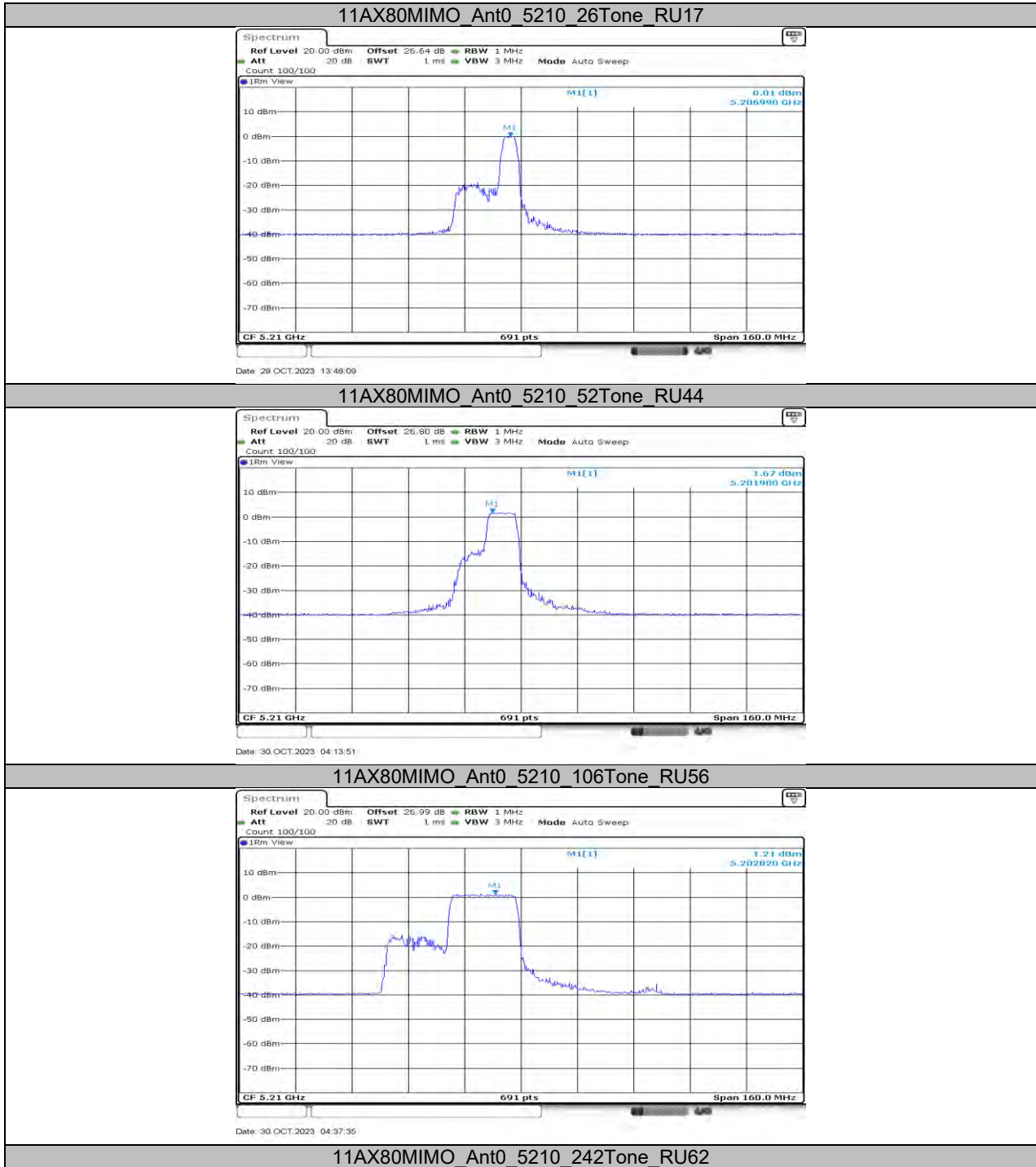


11AX40MIMO Ant1 5755 52Tone RU40



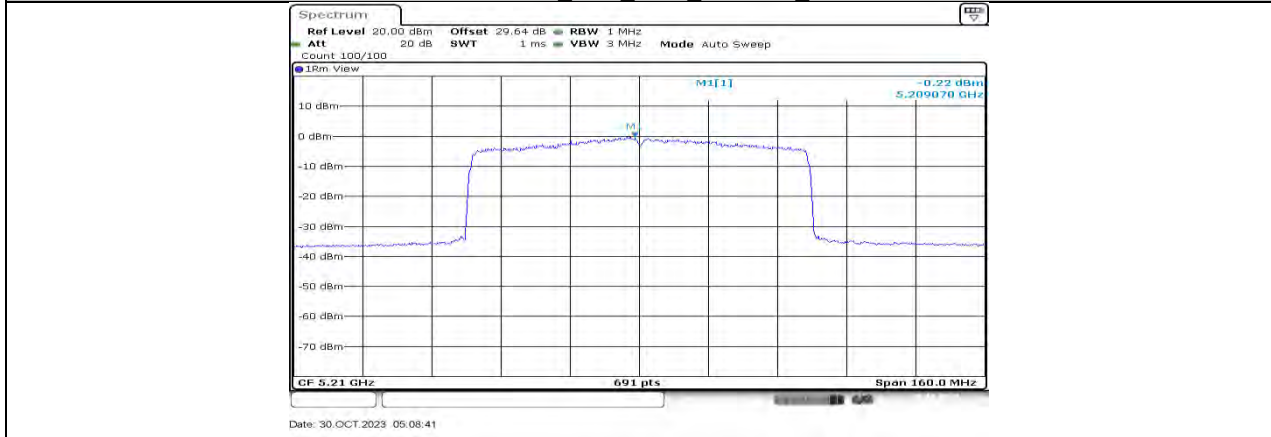




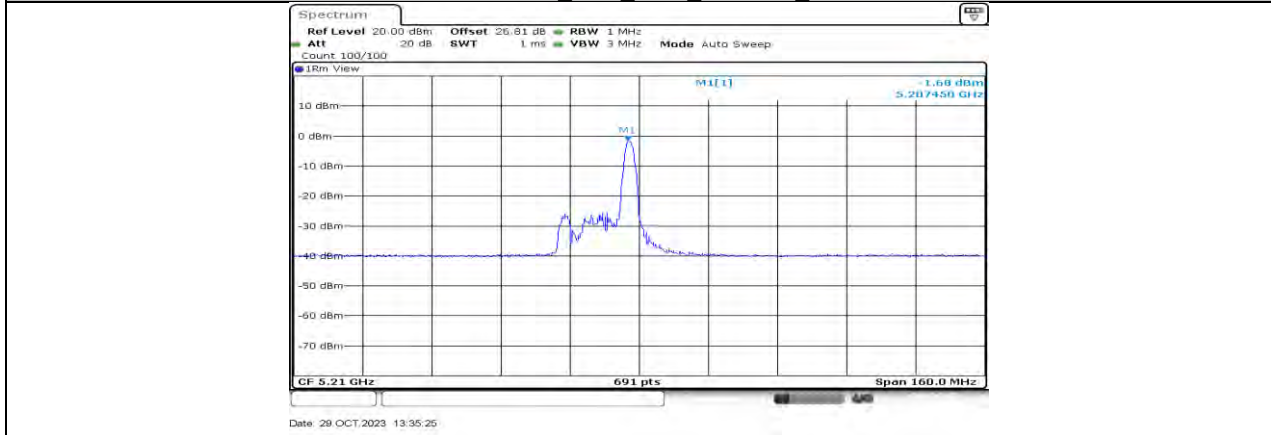




11AX80MIMO Ant0 5210 484Tone RU65

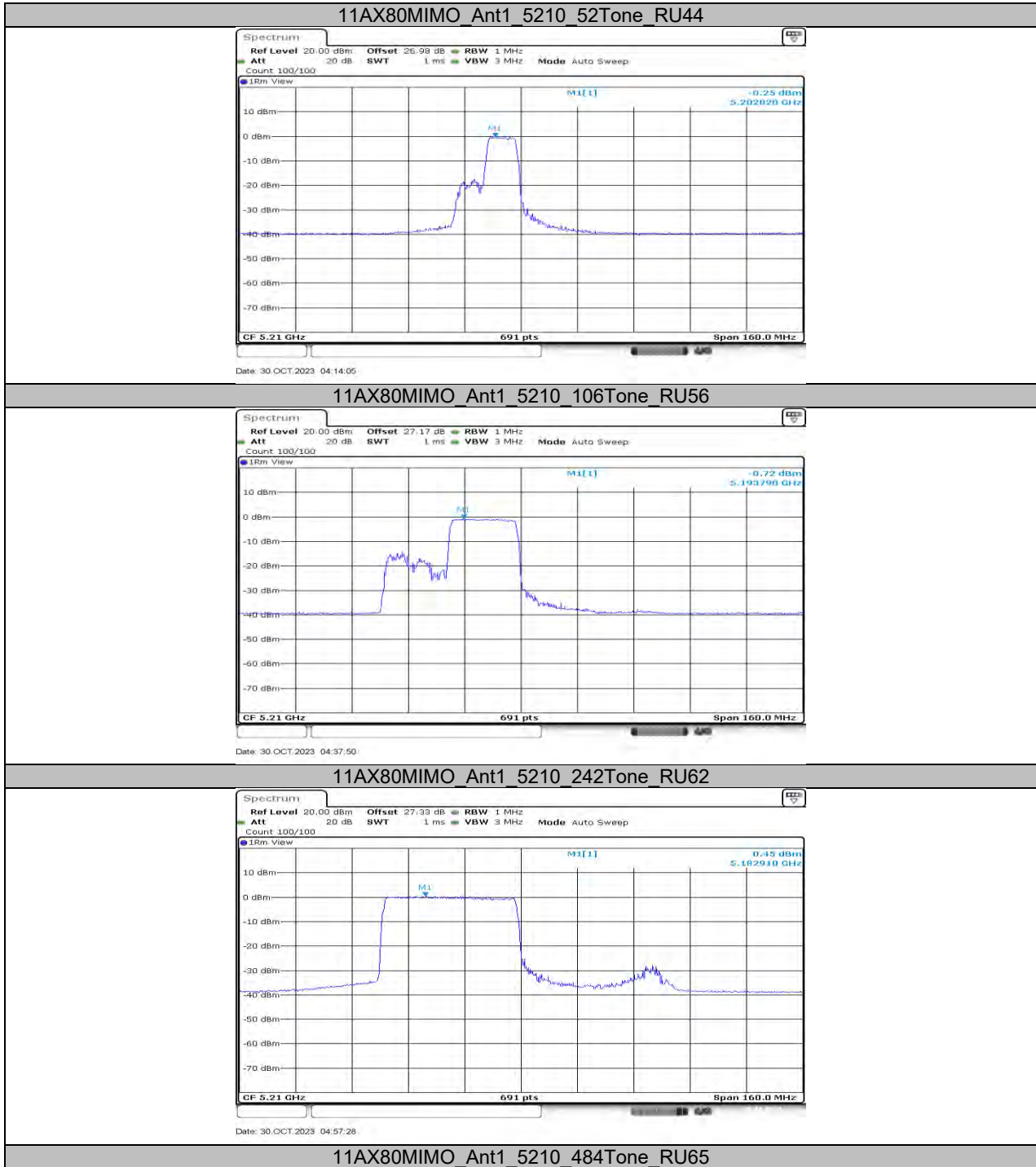


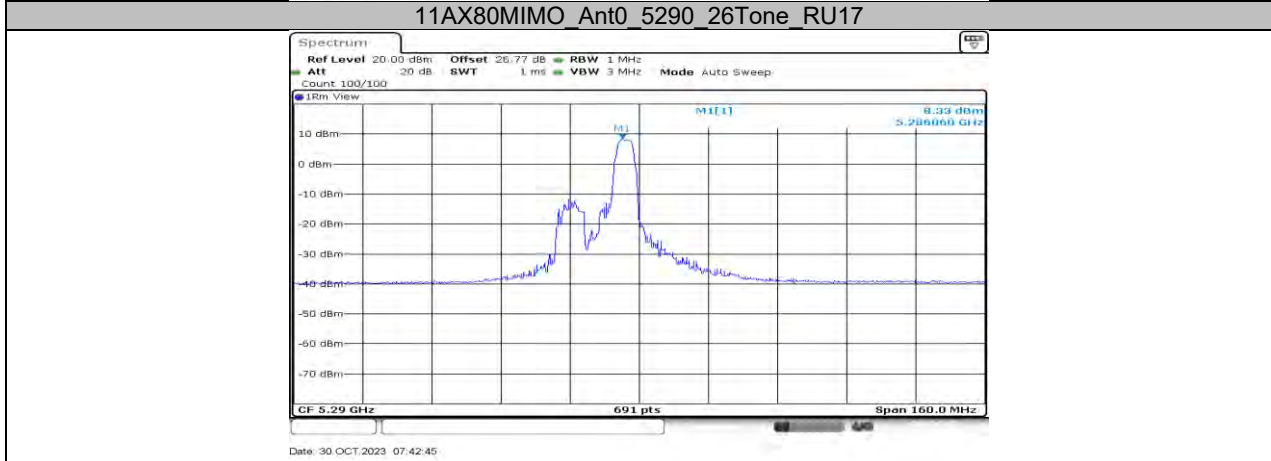
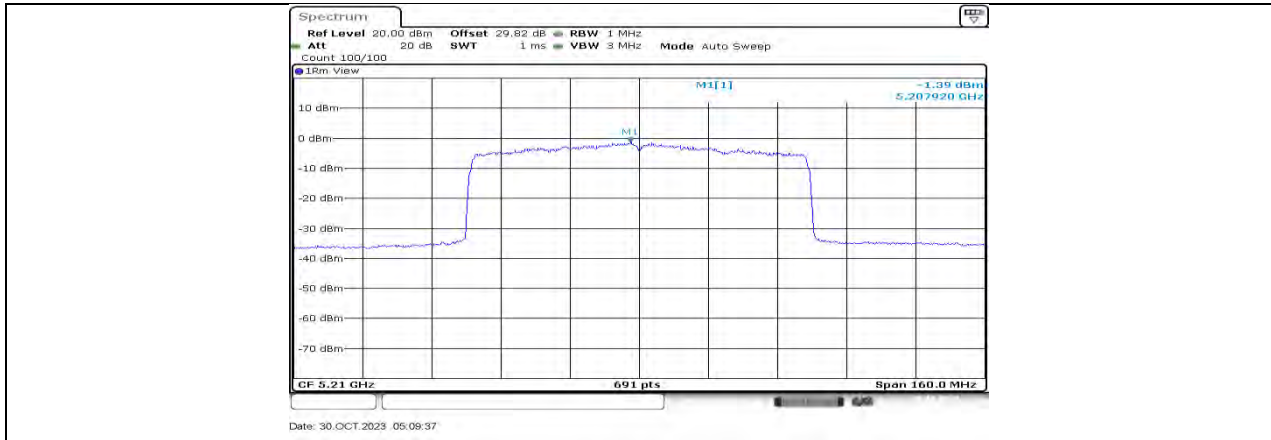
11AX80MIMO Ant0 5210 996Tone RU67

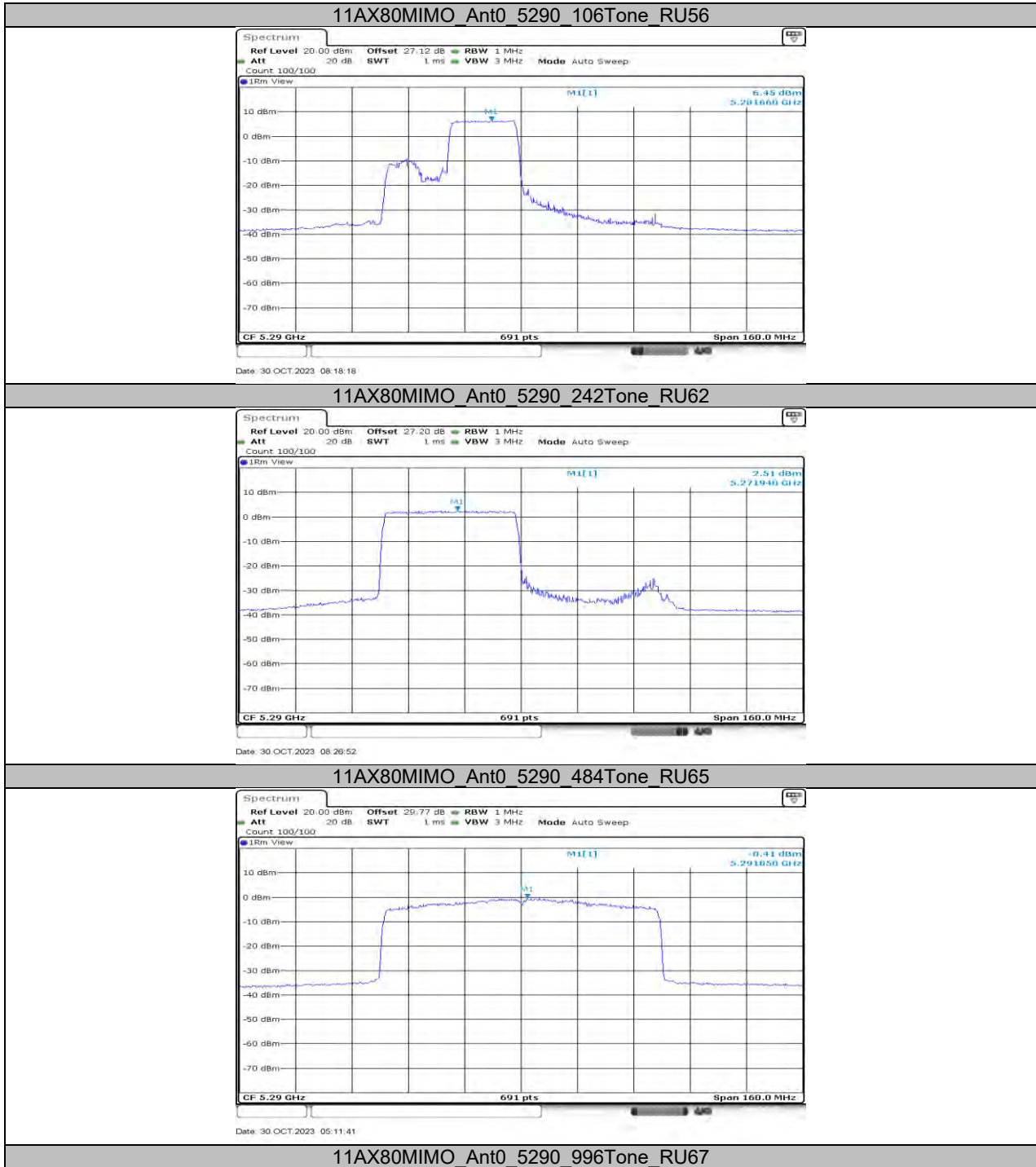


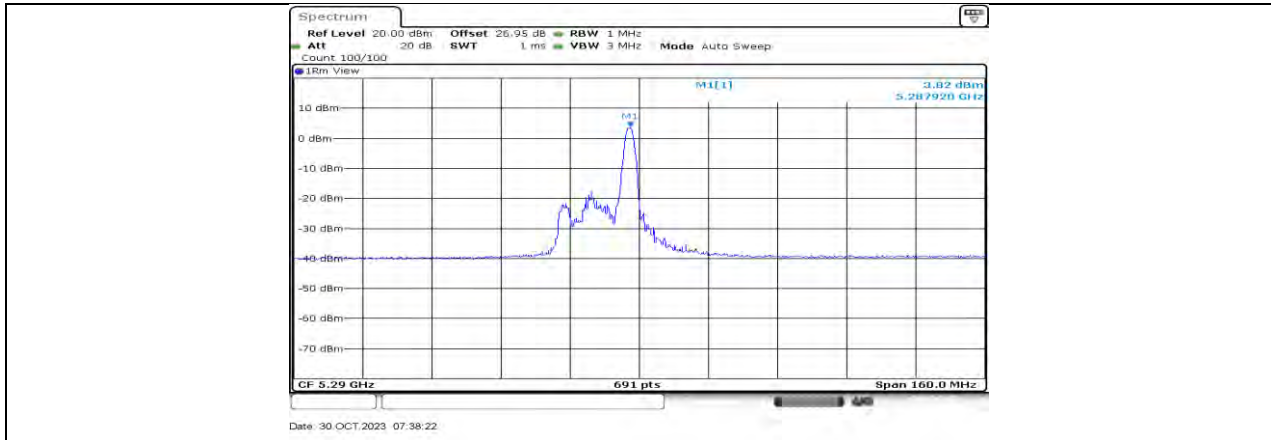
11AX80MIMO Ant1 5210 26Tone RU17











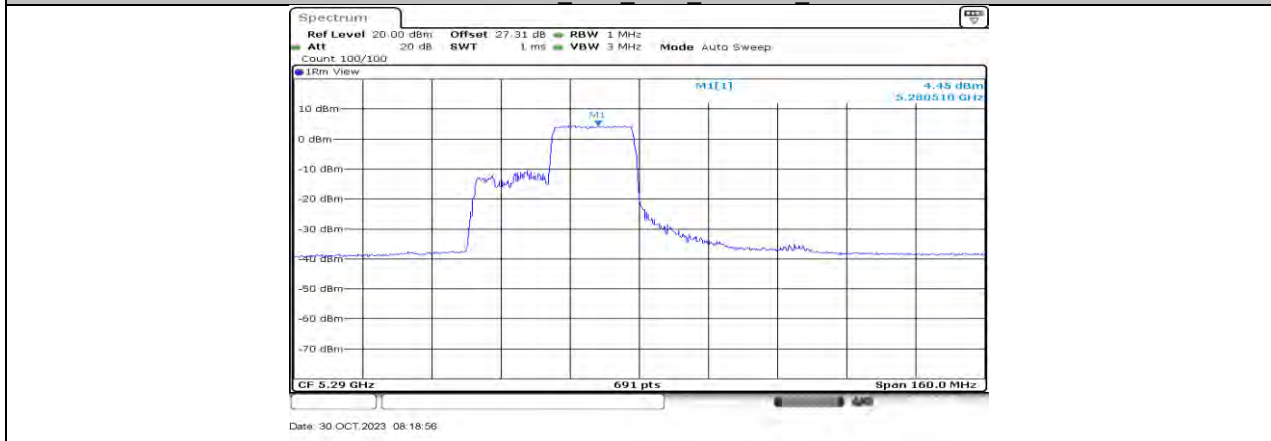
11AX80MIMO Ant1 5290 26Tone RU17

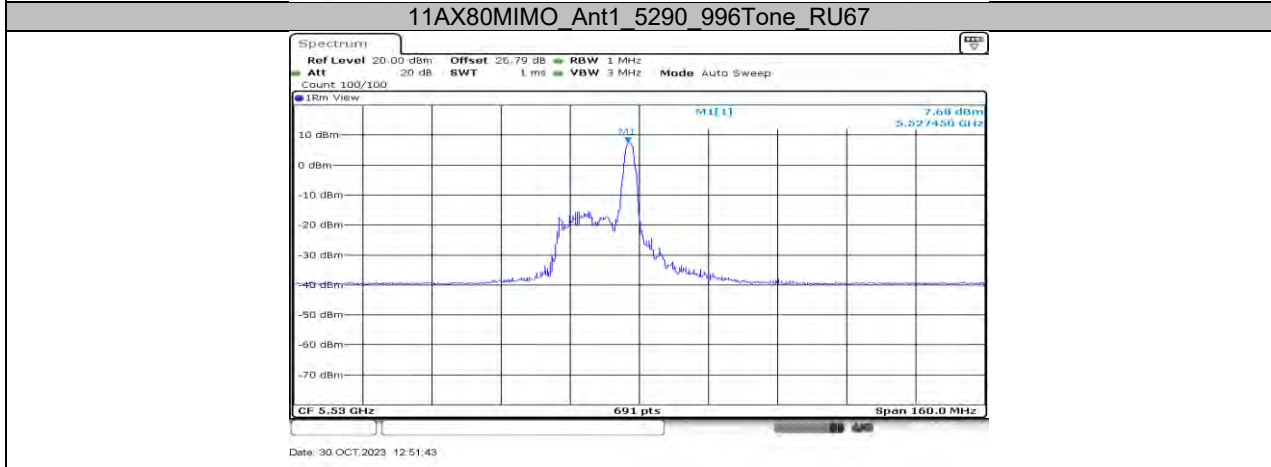


11AX80MIMO Ant1 5290 52Tone RU44

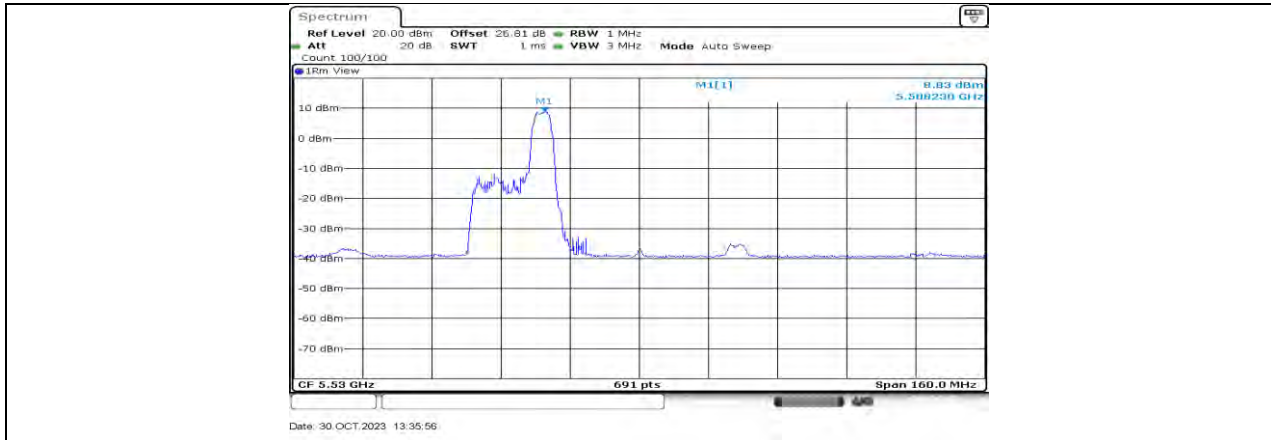


11AX80MIMO Ant1 5290 106Tone RU56





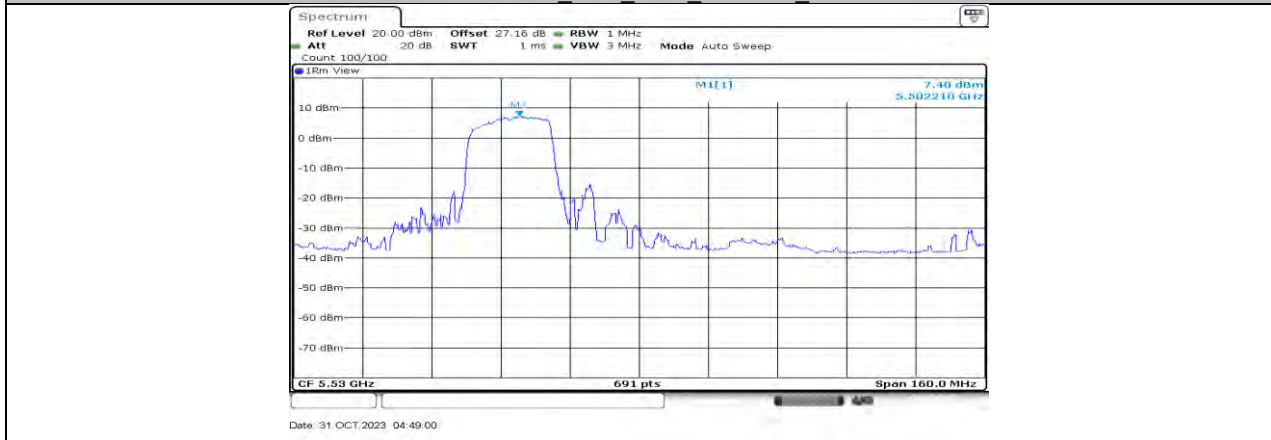
11AX80MIMO_Ant0_5530_26Tone_RU17



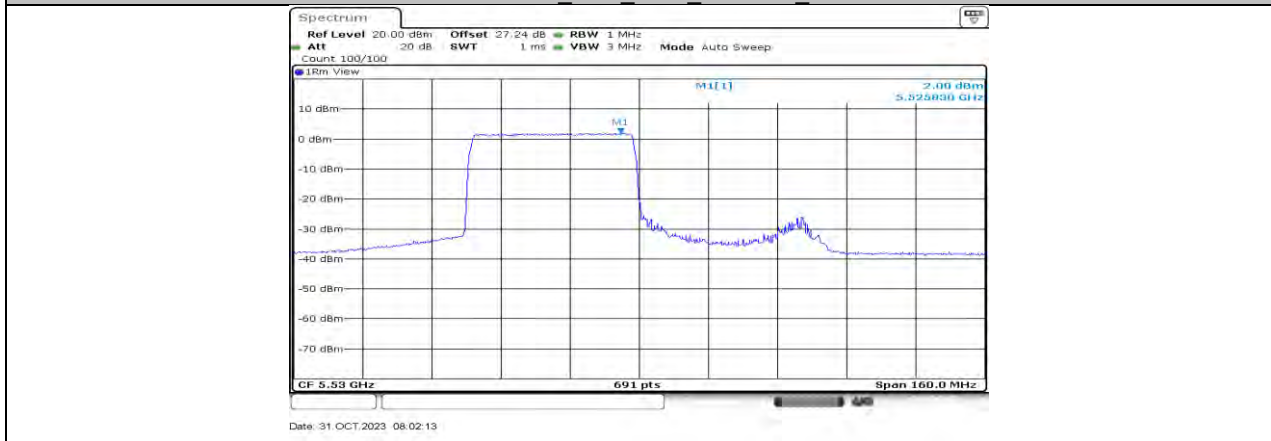
11AX80MIMO Ant0 5530_52Tone_RU44

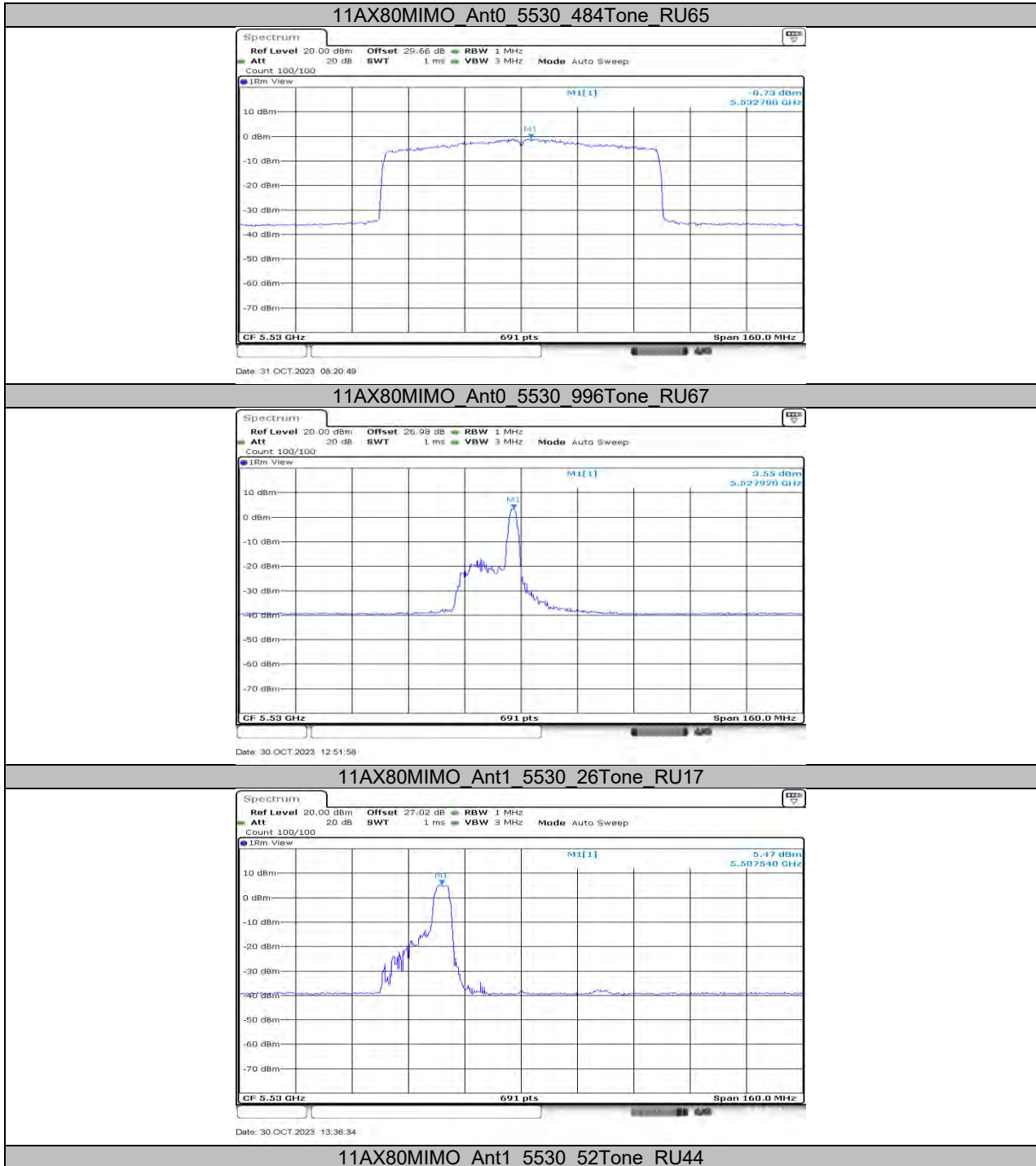


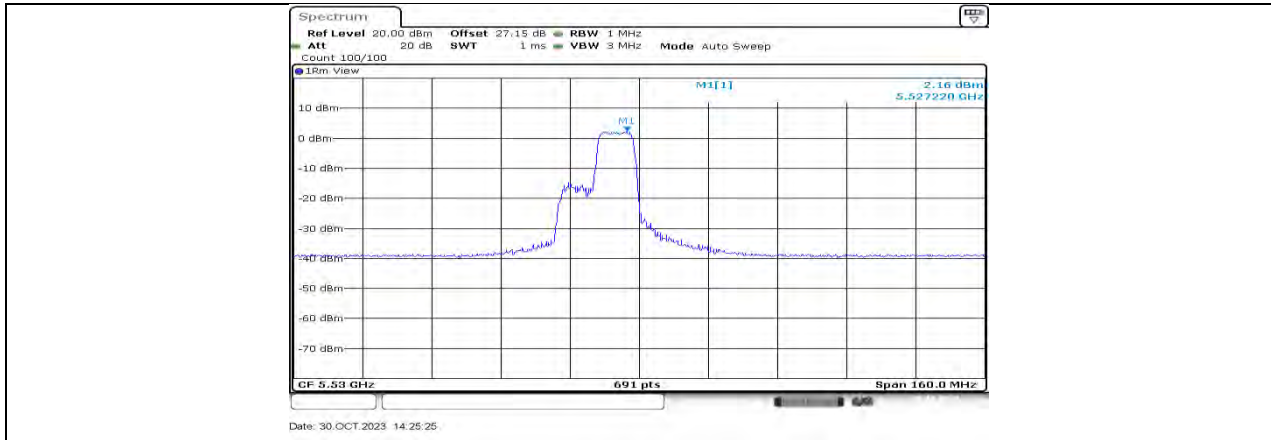
11AX80MIMO Ant0 5530_106Tone_RU56



11AX80MIMO Ant0 5530_242Tone_RU62







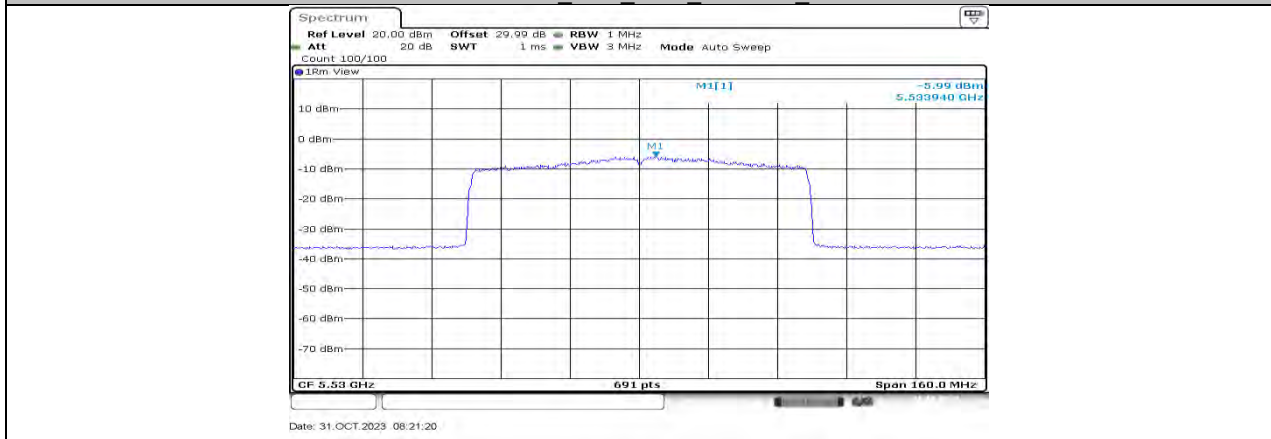
11AX80MIMO Ant1 5530 106Tone RU56

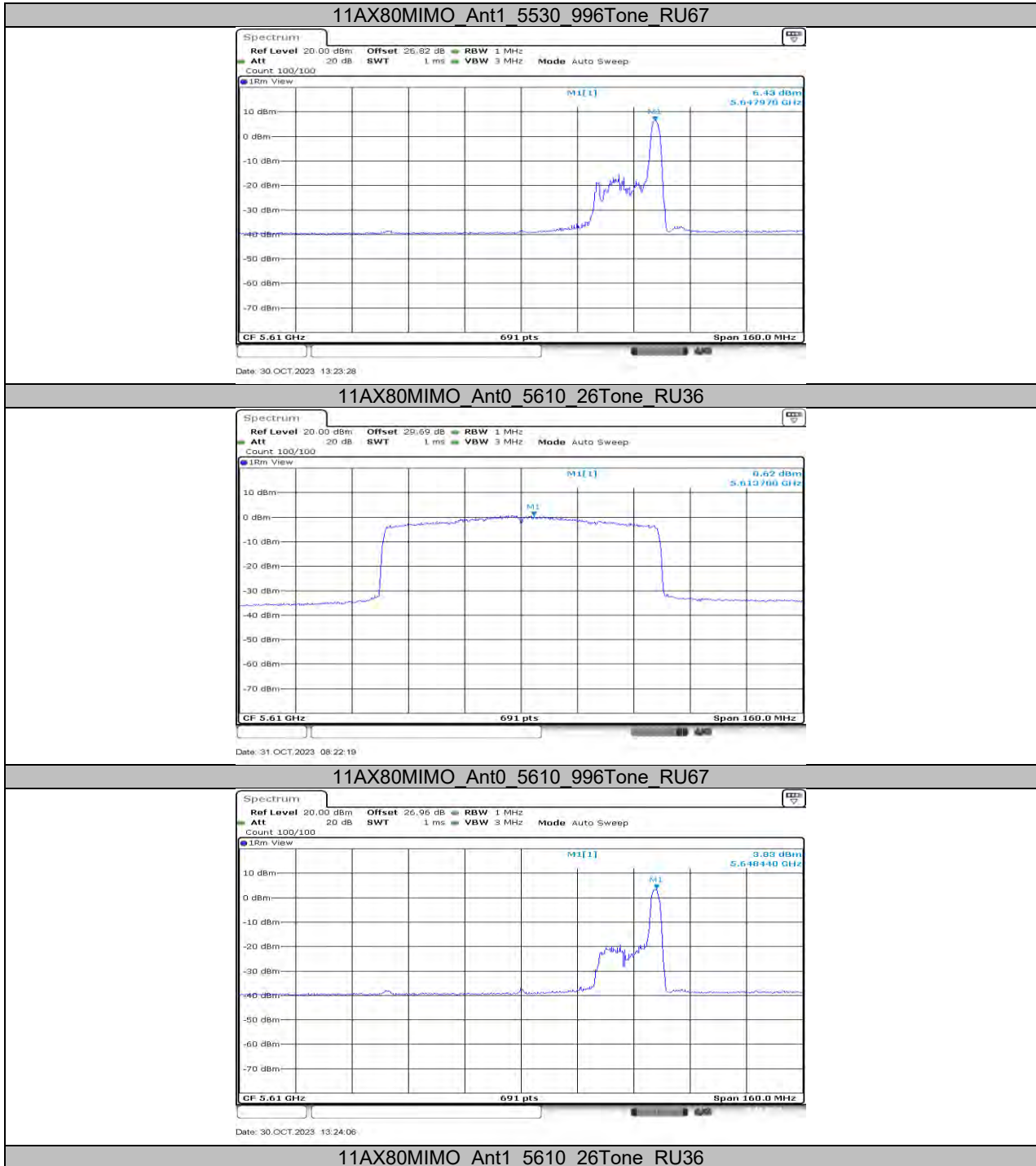


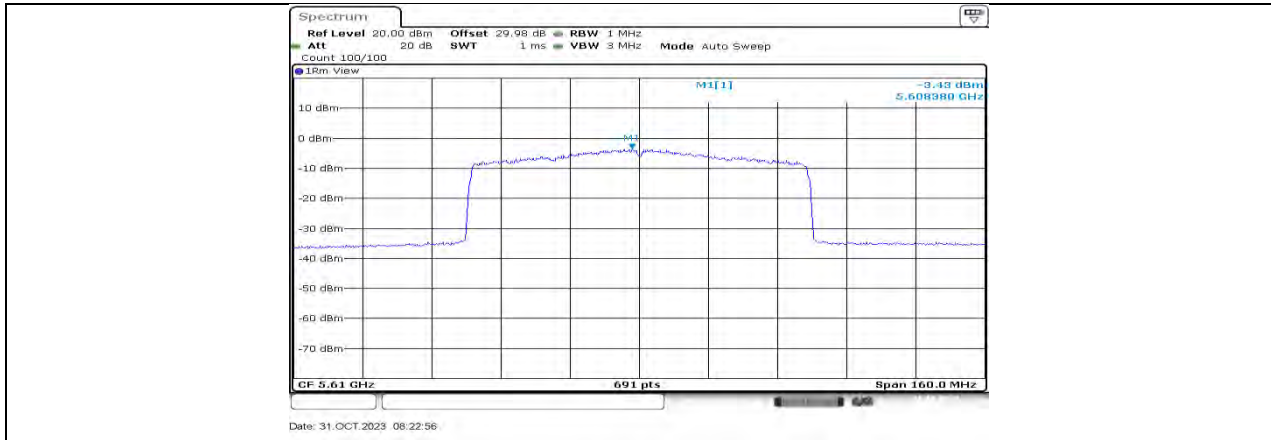
11AX80MIMO Ant1 5530 242Tone RU62

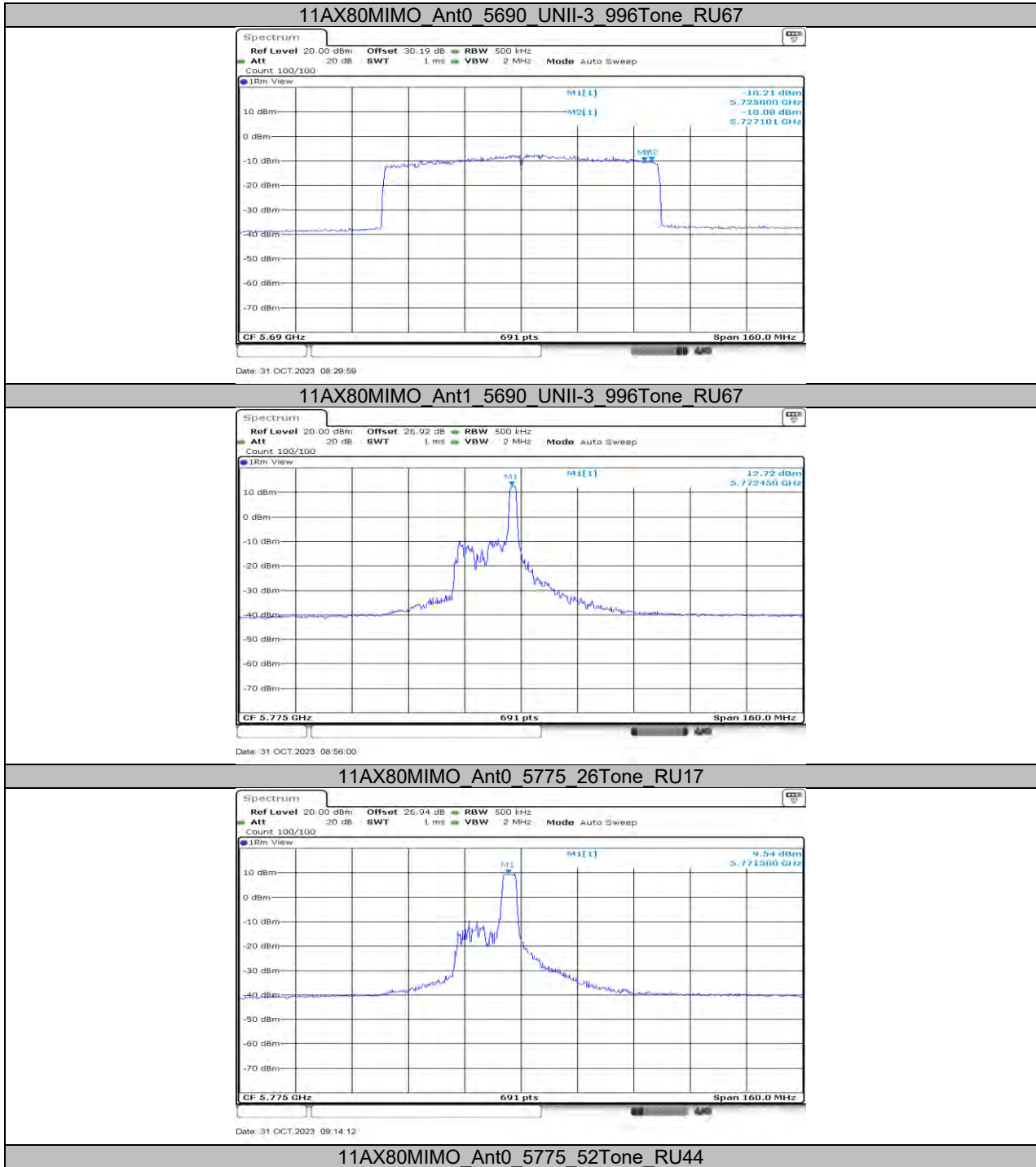


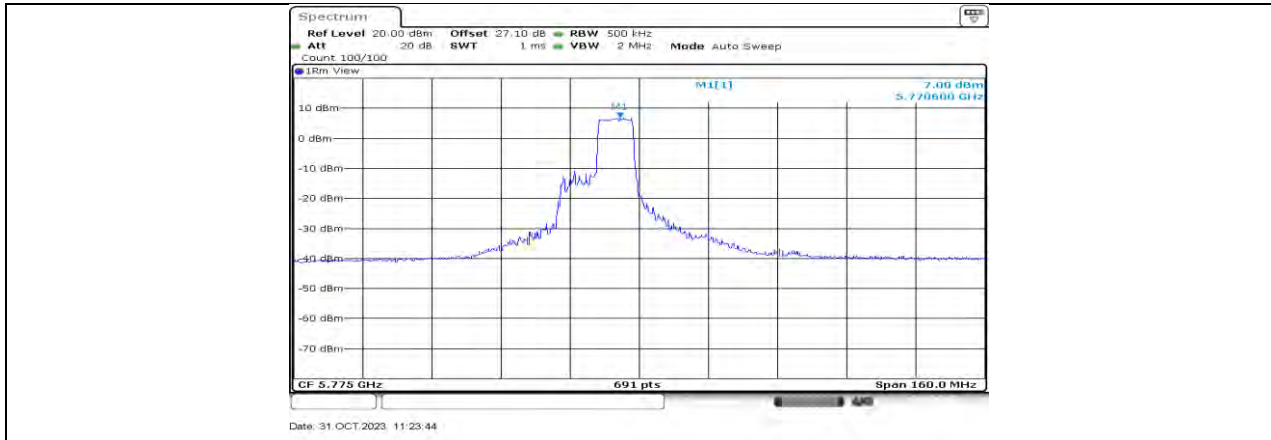
11AX80MIMO Ant1 5530 484Tone RU65











11AX80MIMO Ant0 5775 106Tone RU56

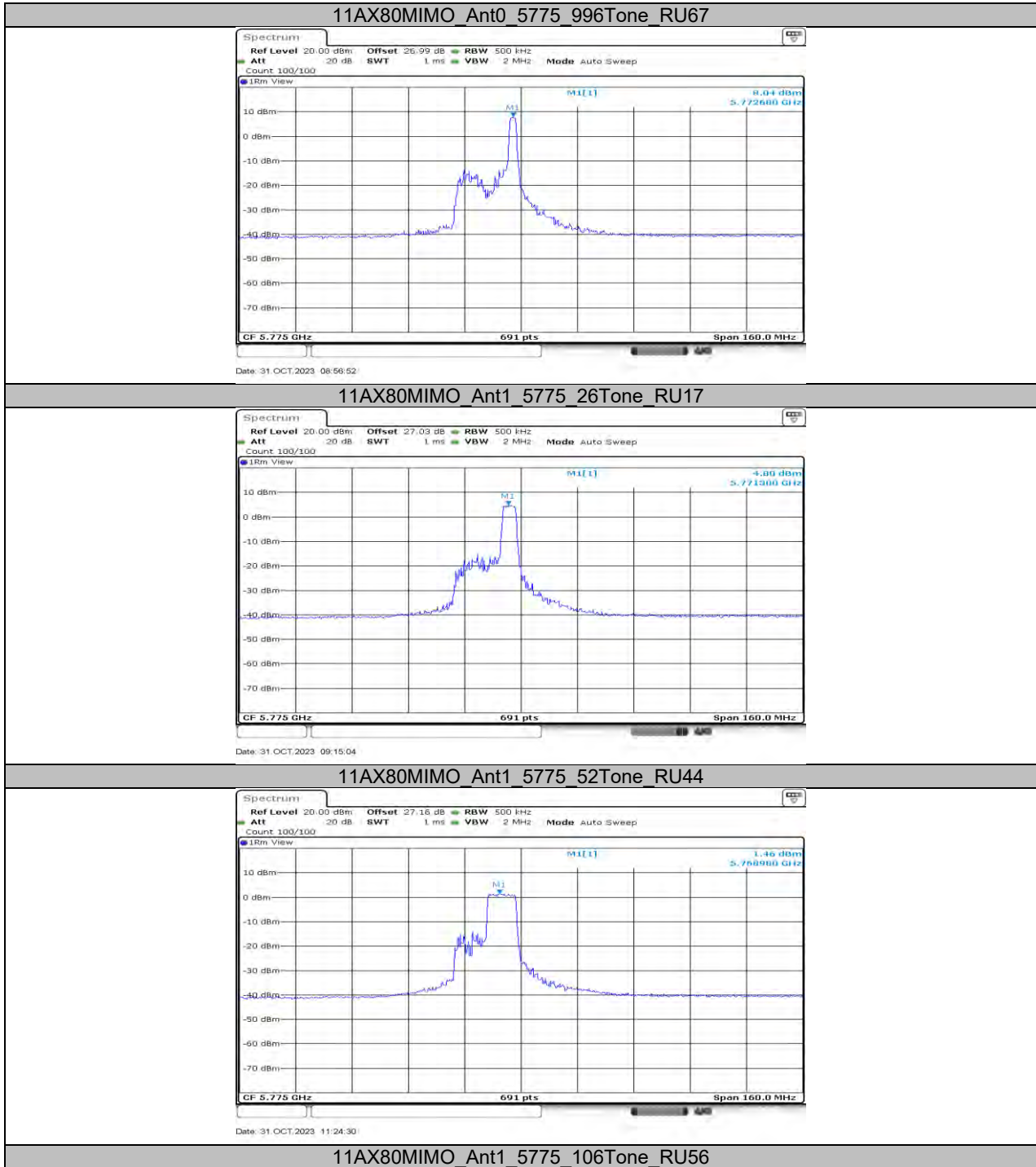


11AX80MIMO Ant0 5775 242Tone RU62



11AX80MIMO Ant0 5775 484Tone RU65



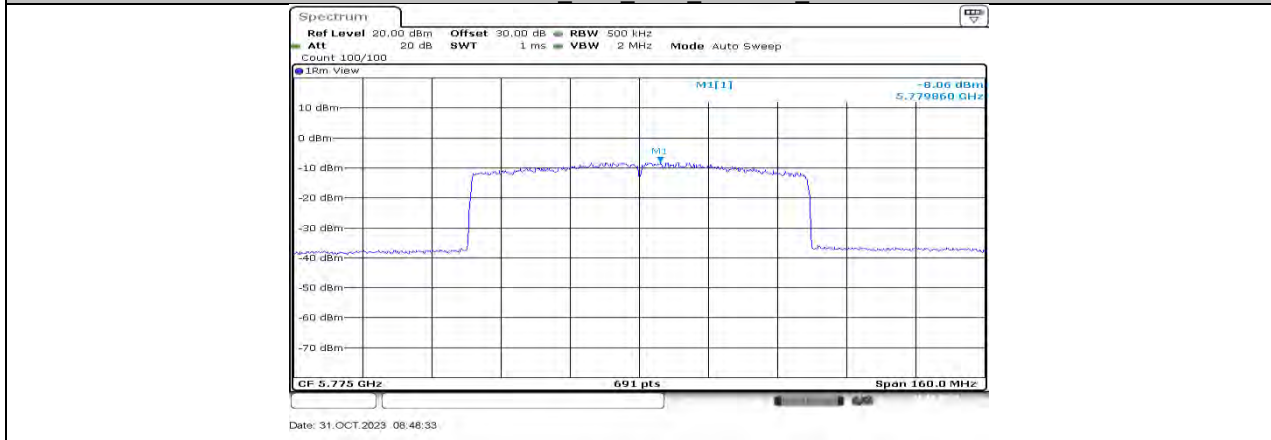




11AX80MIMO Ant1 5775 242Tone RU62



11AX80MIMO Ant1 5775 484Tone RU65



11AX80MIMO Ant1 5775 996Tone RU67

11.11. APPENDIX F: FREQUENCY STABILITY

11.11.1. Test Result

Frequency Error vs. Voltage									
802.11a:5200MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
TN	VL	5199.9935	-1.25	5199.9969	-0.59	5200.0133	2.57	5199.9949	-0.98
TN	VN	5199.9795	-3.94	5200.0007	0.14	5199.9888	-2.16	5200.0137	2.64
TN	VH	5199.9898	-1.96	5199.9812	-3.62	5199.9827	-3.33	5200.0230	4.43
Frequency Error vs. Temperature									
802.11a:5200MHz									
Temp.	Volt.	0 Minute		2 Minute		5 Minute		10 Minute	
		Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)	Freq.Error (MHz)	Tolerance (ppm)
50	VN	5199.9758	-4.65	5200.0063	1.20	5200.0074	1.42	5199.9994	-0.12
40	VN	5199.9778	-4.27	5199.9825	-3.36	5199.9837	-3.14	5199.9896	-2.00
30	VN	5200.0167	3.22	5200.0224	4.30	5200.0215	4.13	5199.9872	-2.47
20	VN	5200.0094	1.82	5200.0085	1.64	5199.9993	-0.13	5200.0215	4.13
10	VN	5199.9763	-4.55	5199.9824	-3.39	5199.9941	-1.13	5200.0170	3.27
0	VN	5200.0070	1.35	5199.9957	-0.83	5199.9844	-3.00	5200.0109	2.09
-10	VN	5200.0093	1.79	5200.0161	3.11	5200.0035	0.67	5199.9903	-1.86
-20	VN	5199.9996	-0.08	5199.9965	-0.68	5200.0044	0.85	5199.9811	-3.64

Note:

1. All antennas, test modes and test channels have been tested, only the worst data record in the report.
2. For the detail Test Conditions, please refer to section 7.5 TEST ENVIRONMENT.

11.12. APPENDIX G: DUTY CYCLE

11.12.1. 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)
11A	1.39	1.83	0.7596	75.96	1.19	0.72	1
11N20MIMO	1.30	1.74	0.7471	74.71	1.27	0.77	1
11N40MIMO	0.65	1.07	0.6075	60.75	2.16	1.54	2
11AC80MIMO	0.32	0.76	0.4211	42.11	3.76	3.13	4

Test Mode	Ru Size	Ru Index	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)
11AX20MIMO	26Tone	RU4	1.6	2.01	0.7960	79.6	0.99	0.63	1
	52Tone	RU38	1.52	1.92	0.7917	79.17	1.01	0.66	1
	106Tone	RU53	1.39	1.82	0.7637	76.37	1.17	0.72	1
	242Tone	RU61	1.02	1.46	0.6986	69.86	1.56	0.98	1
11AX40MIMO	26Tone	RU0	1.6	2.01	0.7960	79.6	0.99	0.63	1
	52Tone	RU37	1.6	2.01	0.7960	79.6	0.99	0.63	1
	106Tone	RU53	1.51	1.92	0.7865	78.65	1.04	0.66	1
	242Tone	RU61	1.39	1.82	0.7637	76.37	1.17	0.72	1
	484Tone	RU65	0.65	1.12	0.5804	58.04	2.36	1.54	2
11AX80MIMO	26Tone	RU0	1.59	2	0.7950	79.5	1.00	0.63	1
	52Tone	RU37	1.6	2.01	0.7960	79.06	0.99	0.63	1
	106Tone	RU53	1.52	1.92	0.7917	76.17	1.01	0.66	1
	242Tone	RU61	1.39	1.82	0.7637	76.37	1.17	0.72	1
	484Tone	RU65	1.2	1.67	0.7186	71.86	1.44	0.83	1
	996Tone	RU67	0.29	0.73	0.3973	39.73	4.01	3.45	4

Note:

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

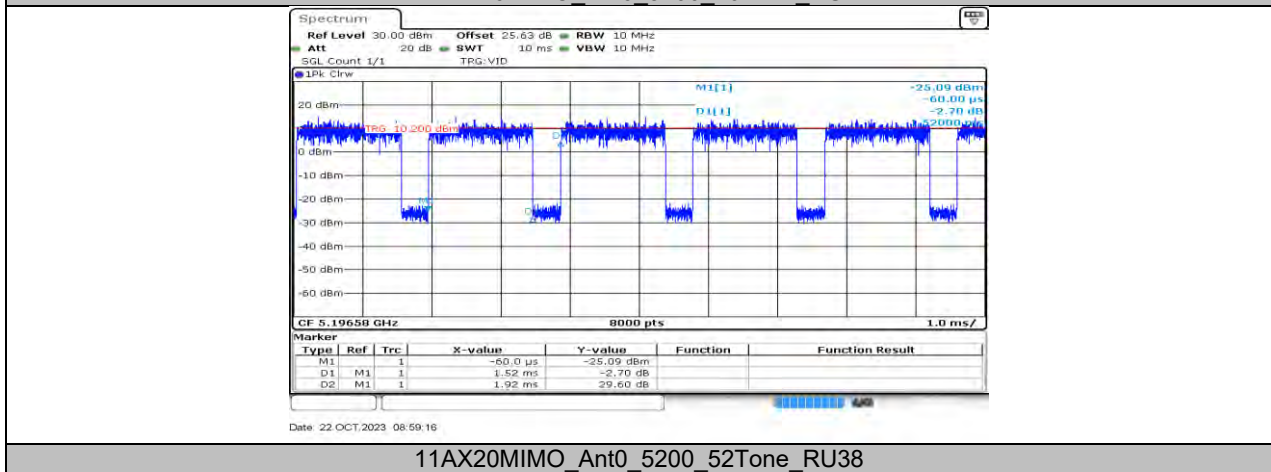
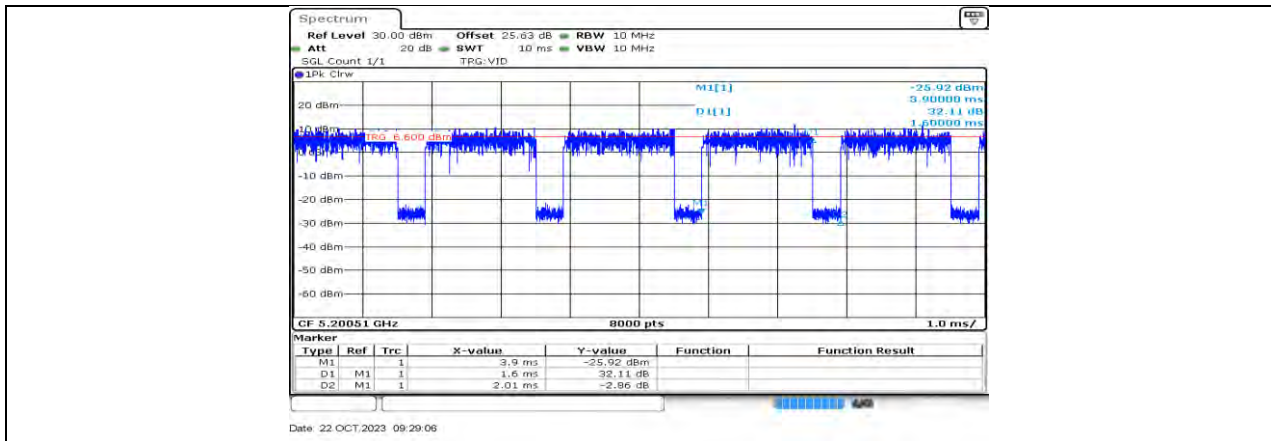
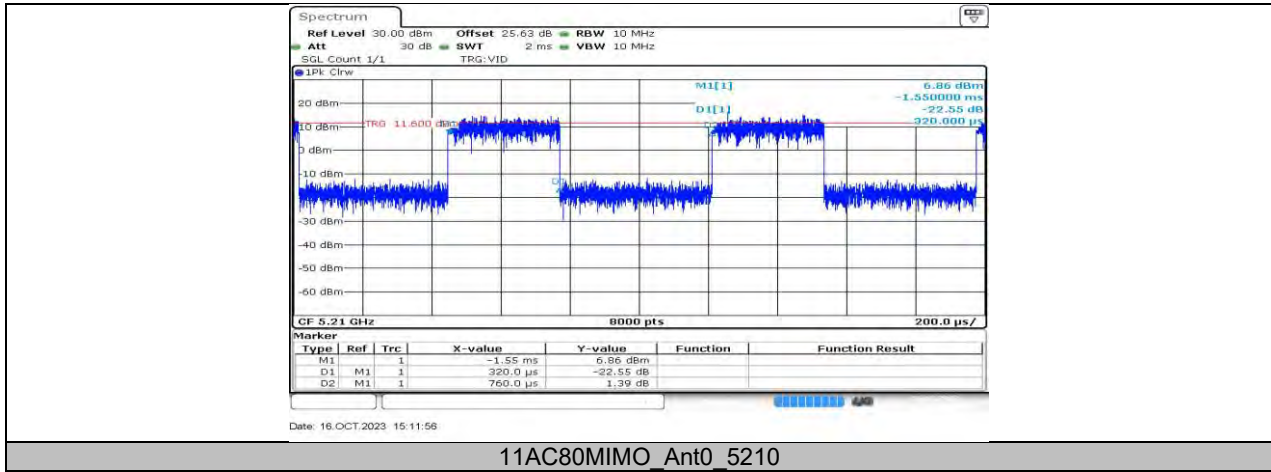
Where: x is Duty Cycle (Linear)

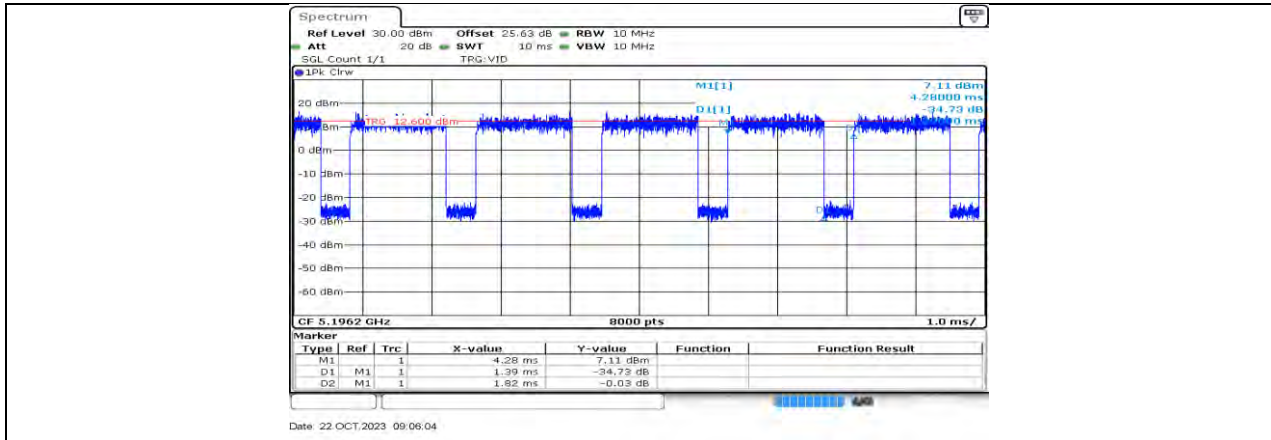
Where: T is On Time

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

11.12.2. Test Graphs

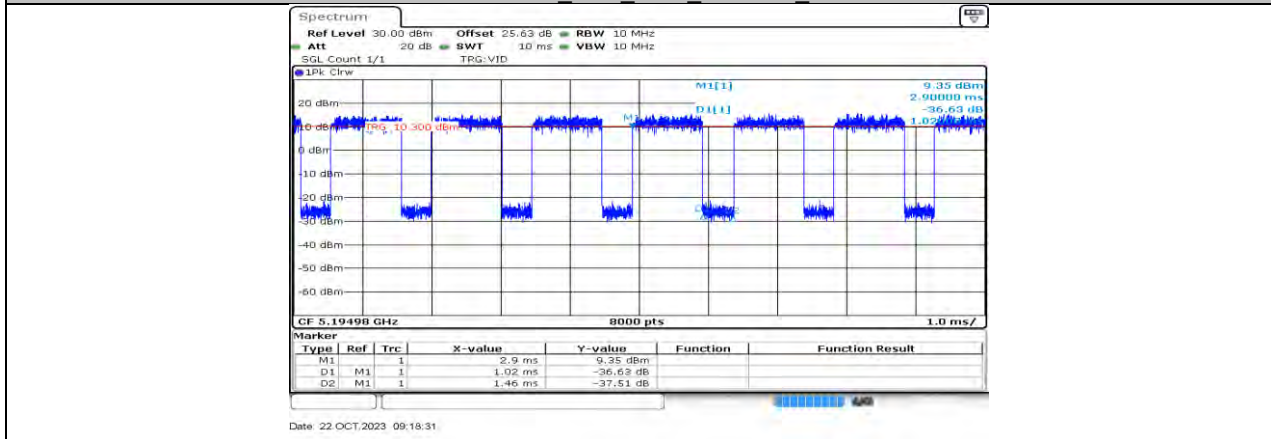






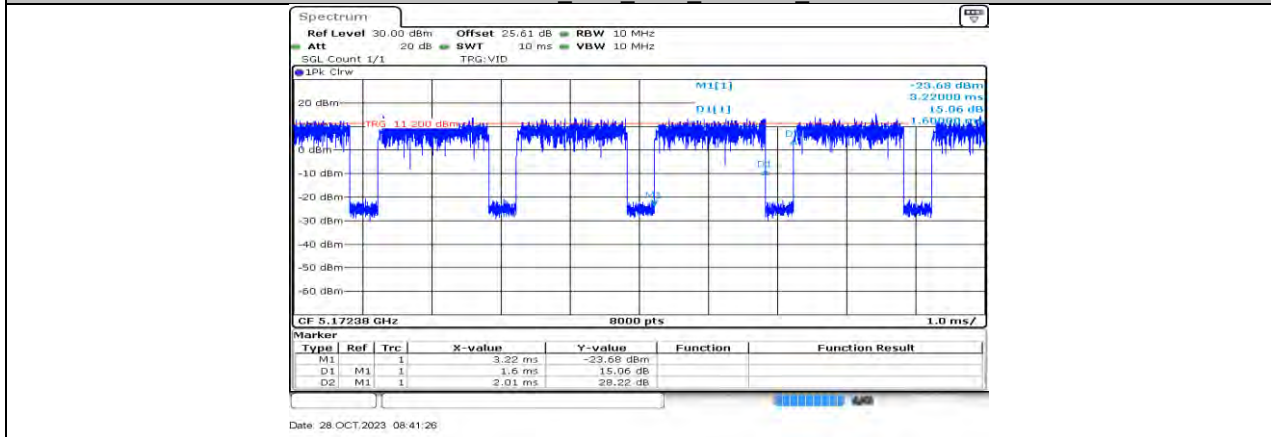
Date: 22.OCT.2023 09:06:04

11AX20MIMO Ant0 5200 106Tone RU53



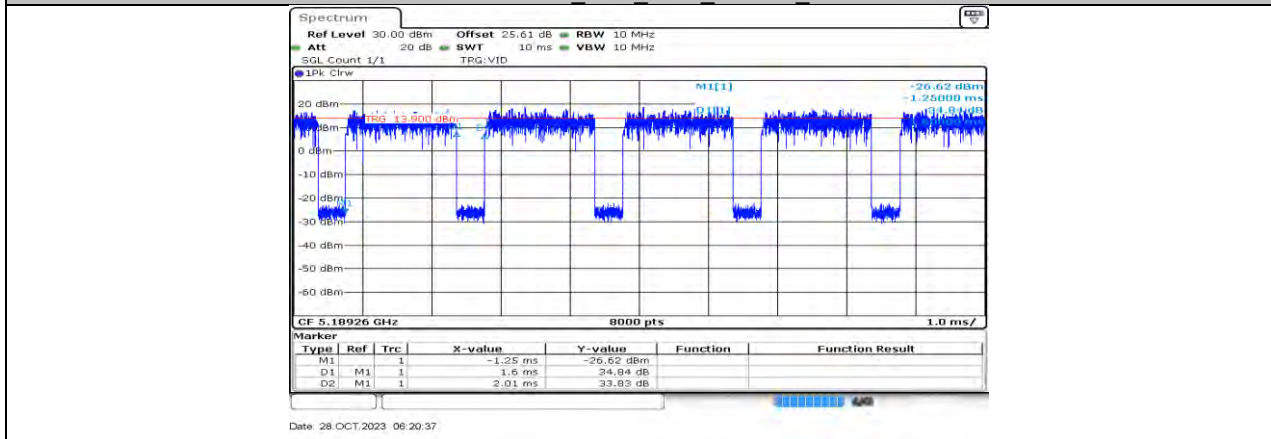
Date: 22.OCT.2023 09:18:31

11AX20MIMO Ant0 5200 242Tone RU61

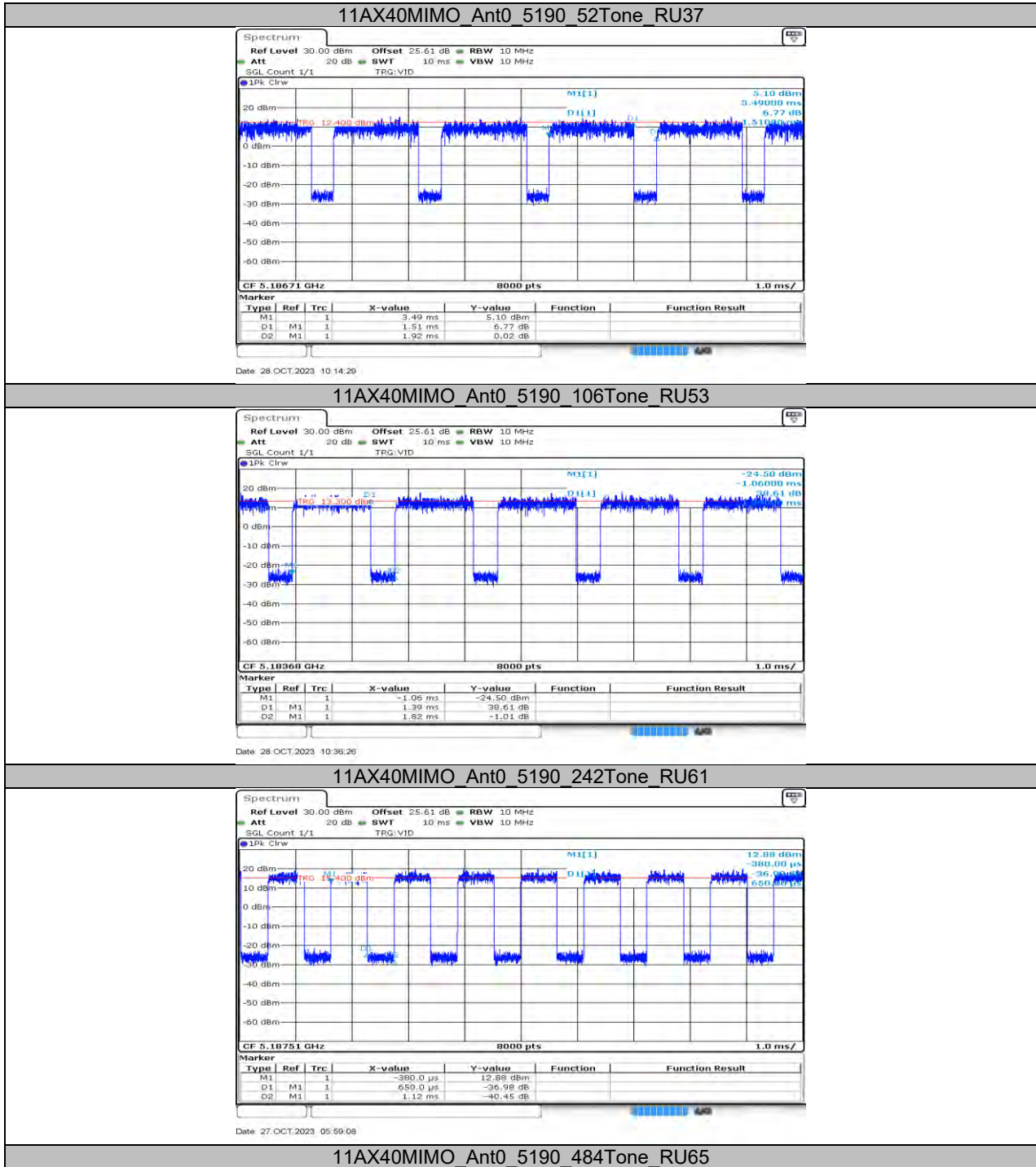


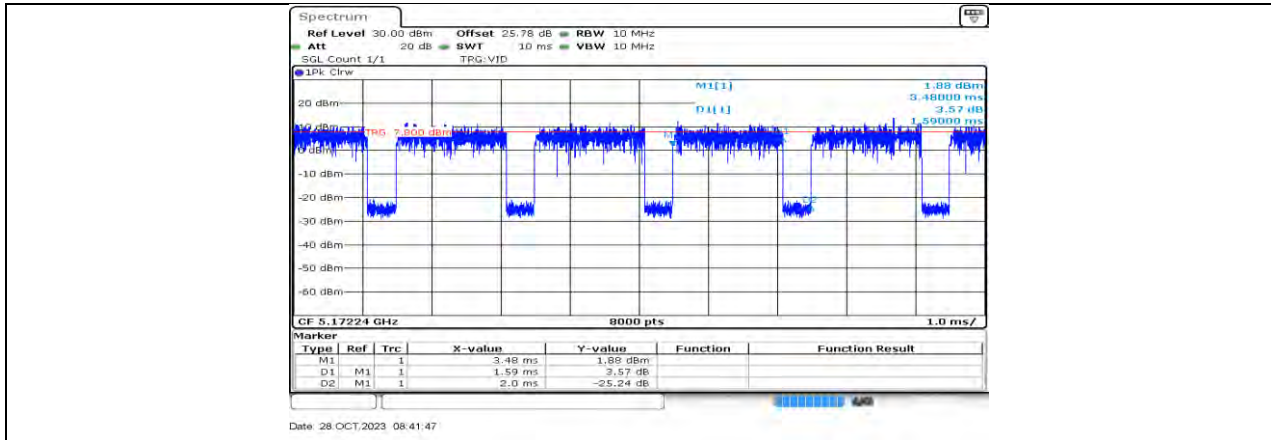
Date: 28.OCT.2023 08:41:28

11AX40MIMO Ant0 5190 26Tone RU0

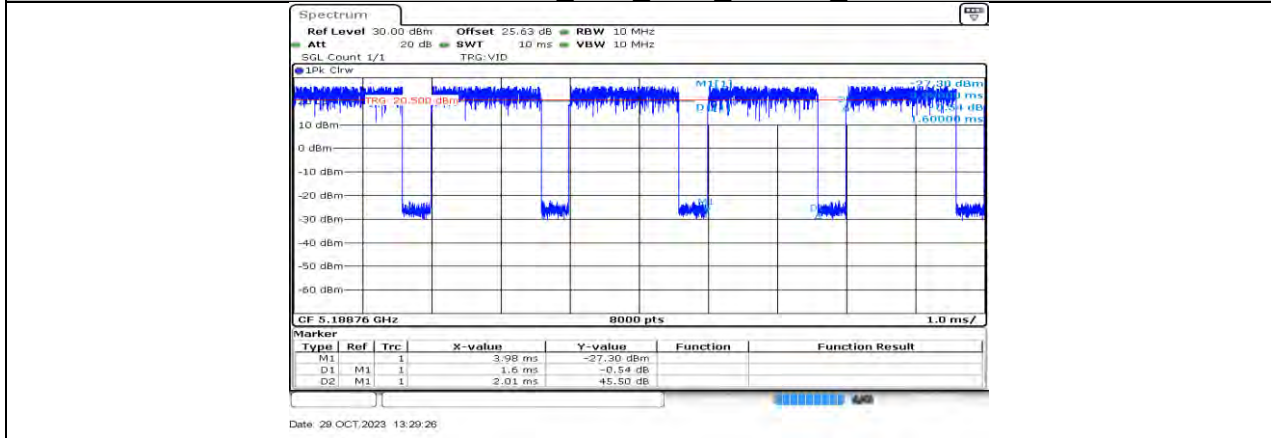


Date: 28.OCT.2023 08:20:37

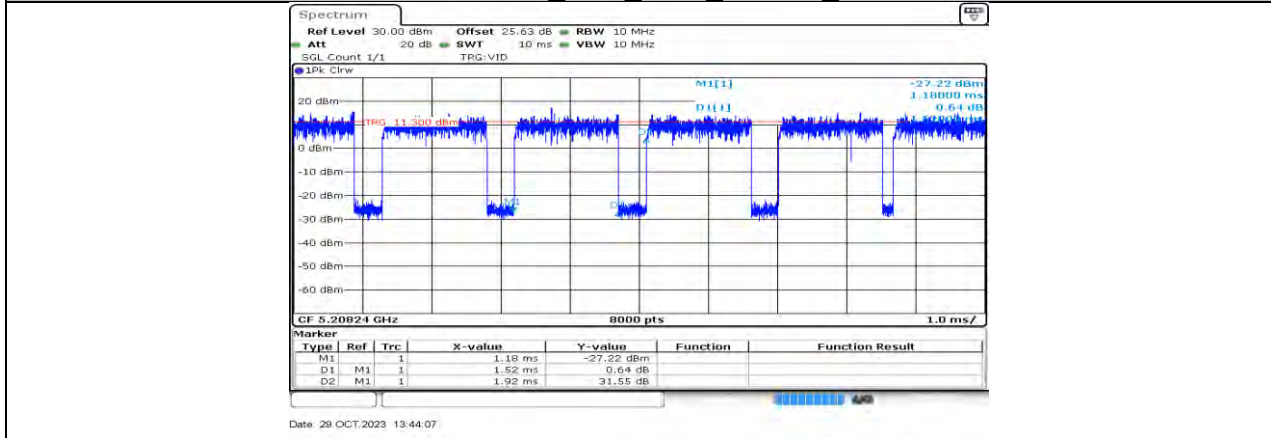




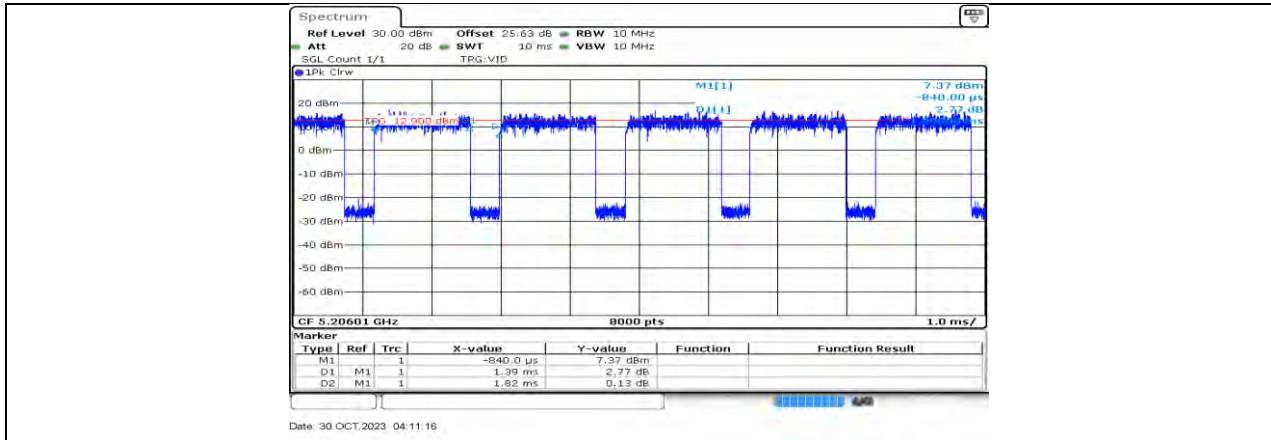
11AX80MIMO Ant0 5210 26Tone RU0



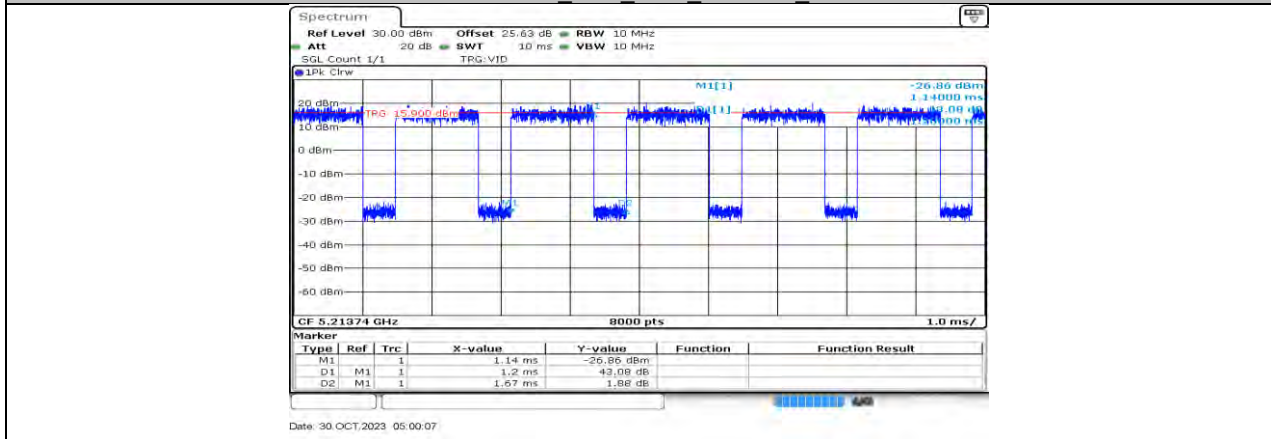
11AX80MIMO Ant0 5210 52Tone RU37



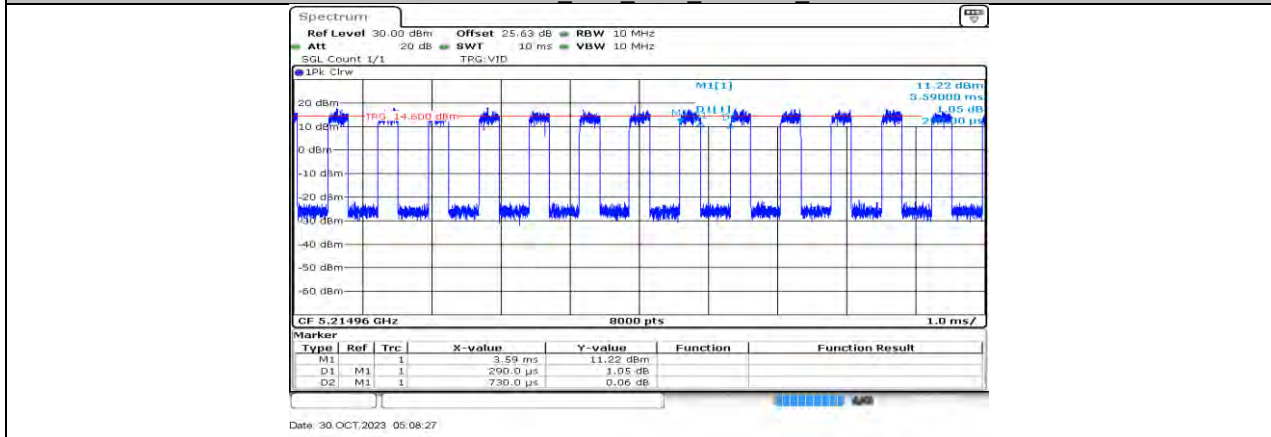
11AX80MIMO Ant0 5210 106Tone RU53



11AX80MIMO_Ant0_5210_242Tone_RU61



11AX80MIMO_Ant0_5210_484Tone_RU65

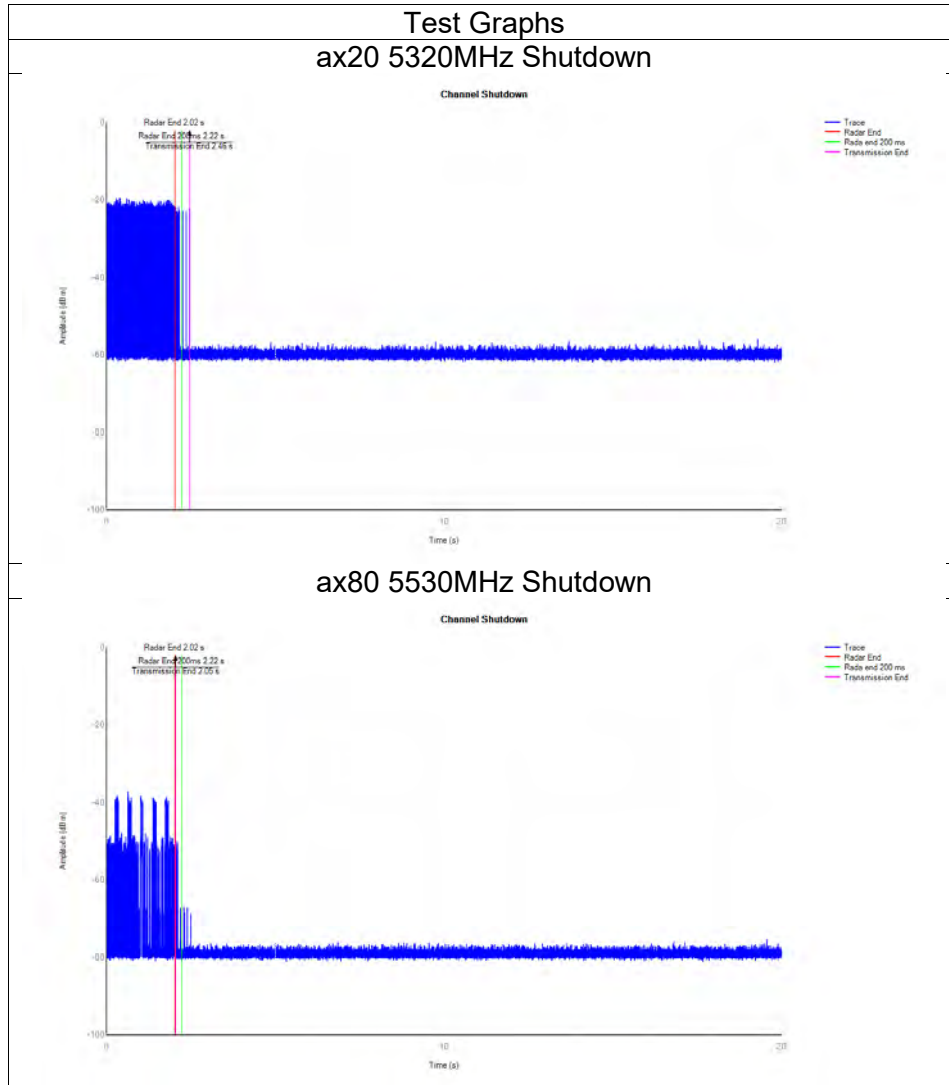


11AX80MIMO_Ant0_5210_996Tone_RU67

11.13. APPENDIX H: SHUTDOWN TIME

Mode	Frequency (MHz)	Channel Move Time (s)	Limit Channel Move Time (s)	Channel Close Transmission Time (s)	Limit Close Transmission Time (s)	Close Transmission Time after 200ms(s)	Limit Close Transmission Time after 200ms (s)	Verdict
ax80	5530	0.022	10	0.001	0.26	0	0.06	Pass

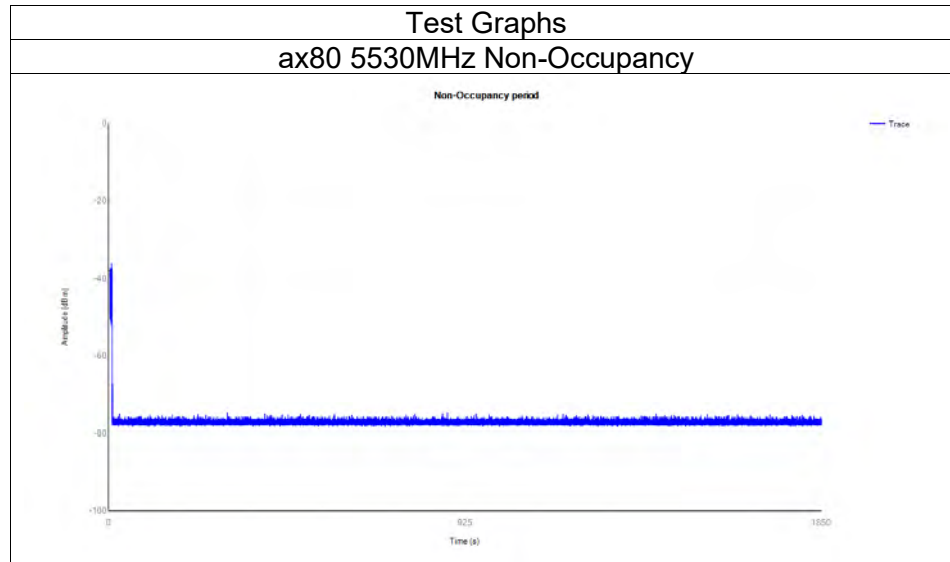
Note: refer to KDB 905462 D02 table 2, this report only records the widest BW mode test data.



11.14. APPENDIX I: NON-OCCUPANCY

Mode	Frequency (MHz)	Result	Verdict
ax80	5530	See test Graph	Pass

Note: refer to KDB 905462 D02 table 2, this report only records the widest BW mode test data.



END OF REPORT