

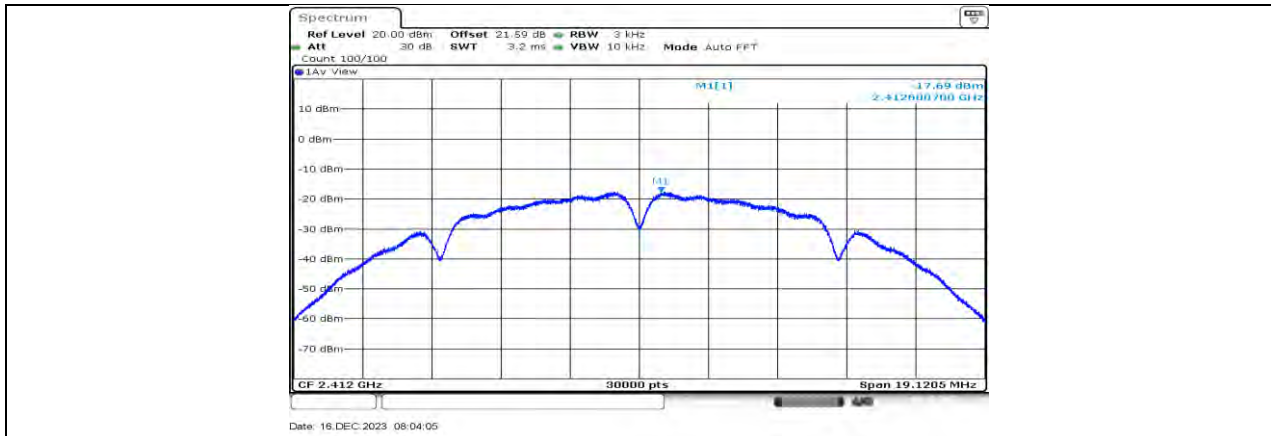
11.4. APPENDIX D: MAXIMUM POWER SPECTRAL DENSITY

11.4.1. Test Result

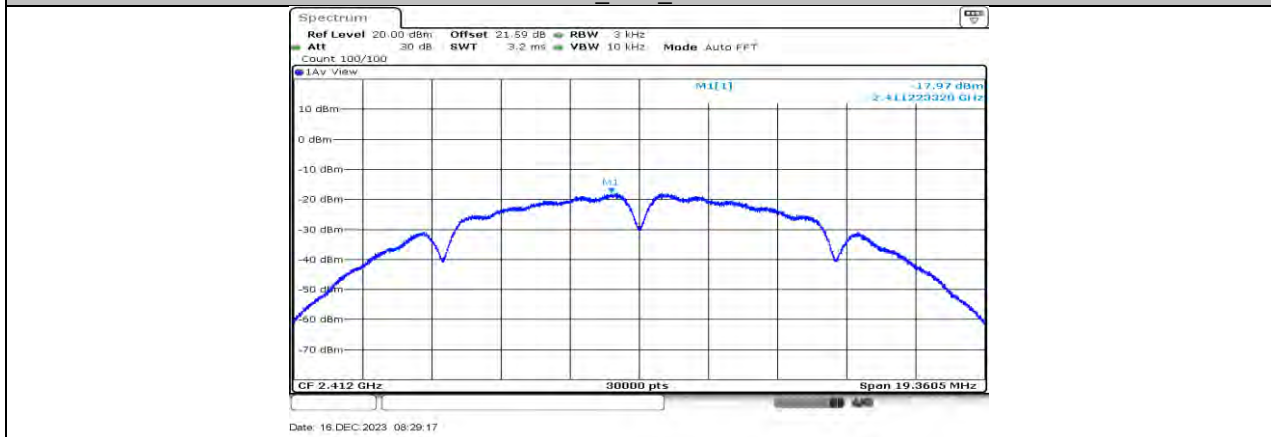
Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-17.69	≤8.00	PASS
	Ant2	2412	-17.97	≤8.00	PASS
	Ant1	2437	-17.79	≤8.00	PASS
	Ant2	2437	-17.77	≤8.00	PASS
	Ant1	2462	-17.60	≤8.00	PASS
	Ant2	2462	-17.81	≤8.00	PASS
11G	Ant1	2412	-18.76	≤8.00	PASS
	Ant2	2412	-18.56	≤8.00	PASS
	Ant1	2437	-19.80	≤8.00	PASS
	Ant2	2437	-19.75	≤8.00	PASS
	Ant1	2462	-19.70	≤8.00	PASS
	Ant2	2462	-19.77	≤8.00	PASS
11N20MIMO	Ant1	2412	-18.38	≤8.00	PASS
	Ant2	2412	-17.38	≤8.00	PASS
	total	2412	-14.84	≤8.00	PASS
	Ant1	2437	-19.95	≤8.00	PASS
	Ant2	2437	-19.32	≤8.00	PASS
	total	2437	-16.61	≤8.00	PASS
	Ant1	2462	-19.89	≤8.00	PASS
	Ant2	2462	-19.70	≤8.00	PASS
total	2462	-16.78	≤8.00	PASS	
11N40MIMO	Ant1	2422	-21.08	≤8.00	PASS
	Ant2	2422	-21.74	≤8.00	PASS
	total	2422	-18.39	≤8.00	PASS
	Ant1	2437	-20.41	≤8.00	PASS
	Ant2	2437	-21.08	≤8.00	PASS
	total	2437	-17.72	≤8.00	PASS
	Ant1	2452	-20.52	≤8.00	PASS
	Ant2	2452	-21.46	≤8.00	PASS
total	2452	-17.95	≤8.00	PASS	
11AX20MIMO	Ant1	2412	-20.45	≤8.00	PASS
	Ant2	2412	-20.10	≤8.00	PASS
	total	2412	-17.26	≤8.00	PASS
	Ant1	2437	-20.19	≤8.00	PASS
	Ant2	2437	-20.45	≤8.00	PASS
	total	2437	-17.31	≤8.00	PASS
	Ant1	2462	-20.85	≤8.00	PASS
	Ant2	2462	-21.96	≤8.00	PASS
total	2462	-18.36	≤8.00	PASS	
11AX40MIMO	Ant1	2422	-23.99	≤8.00	PASS
	Ant2	2422	-24.82	≤8.00	PASS
	total	2422	-21.37	≤8.00	PASS
	Ant1	2437	-23.86	≤8.00	PASS
	Ant2	2437	-24.43	≤8.00	PASS
	total	2437	-21.13	≤8.00	PASS
	Ant1	2452	-24.11	≤8.00	PASS
	Ant2	2452	-24.48	≤8.00	PASS
total	2452	-21.28	≤8.00	PASS	

Note: 1. The Duty Cycle Factor (refer to section 7.5) had already compensated to the test data.

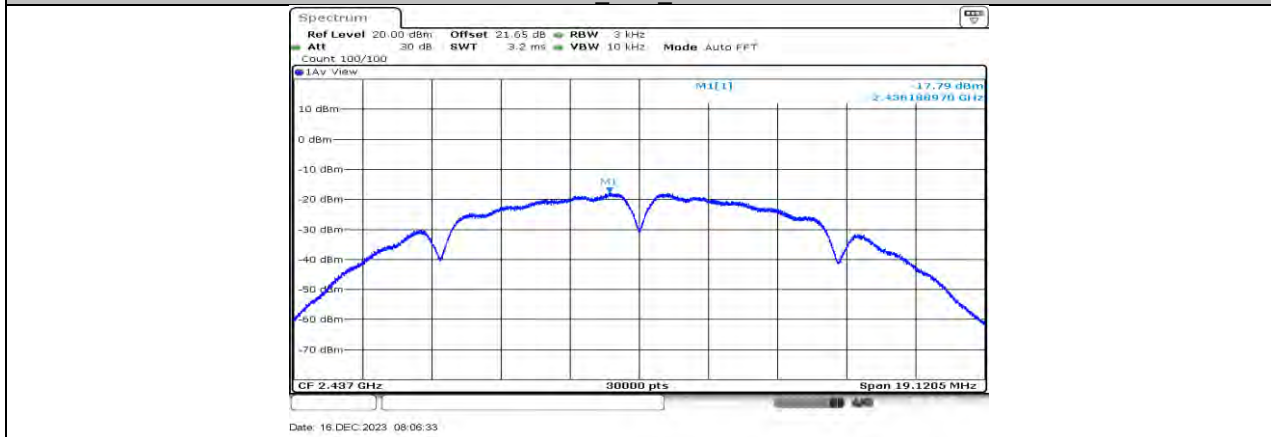
11.4.2. Test Graphs



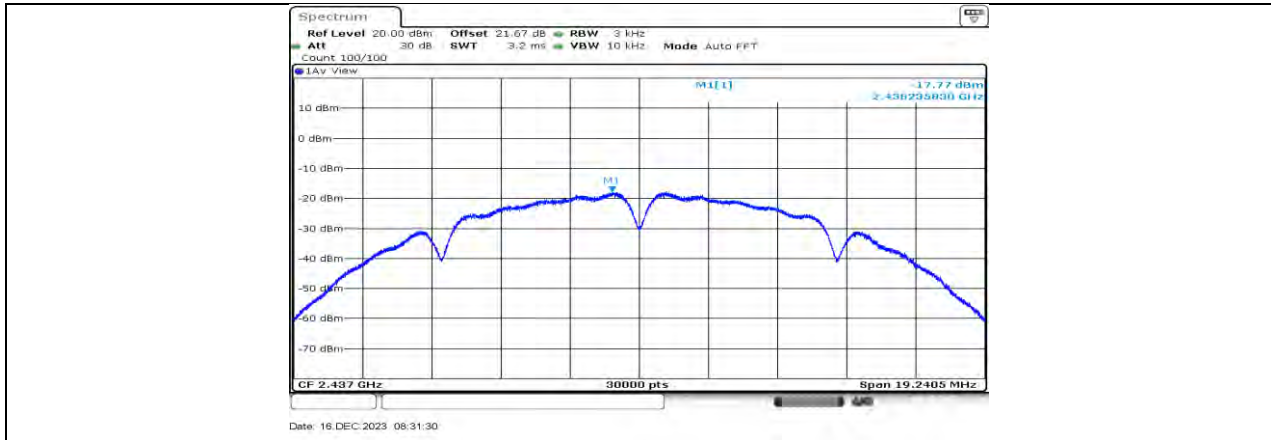
11B_Ant1_2412



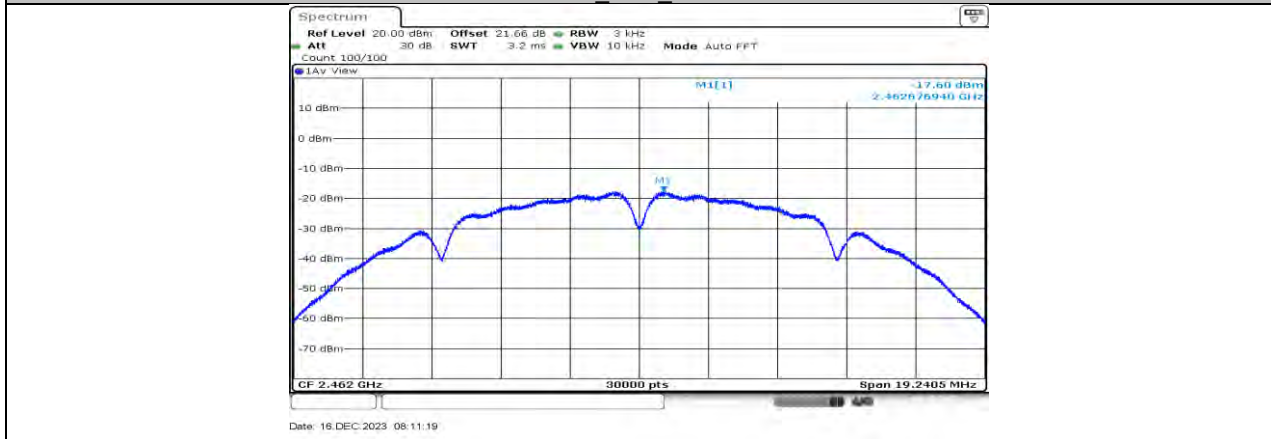
11B_Ant2_2412



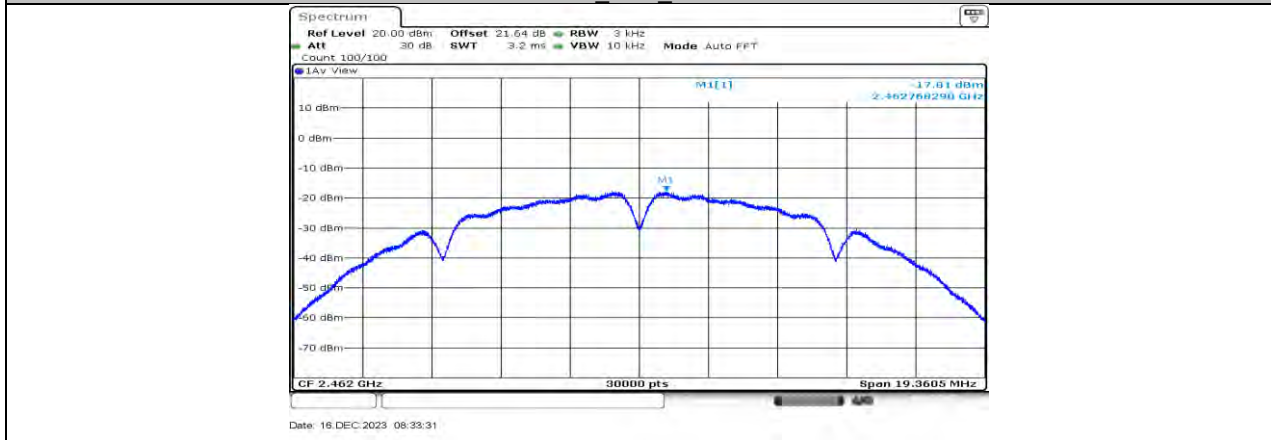
11B_Ant1_2437



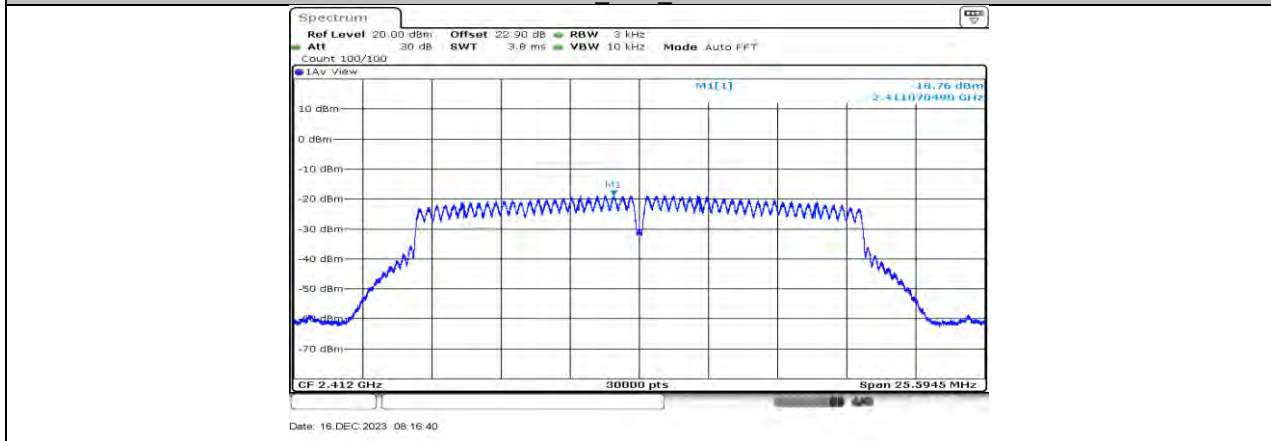
11B Ant2 2437

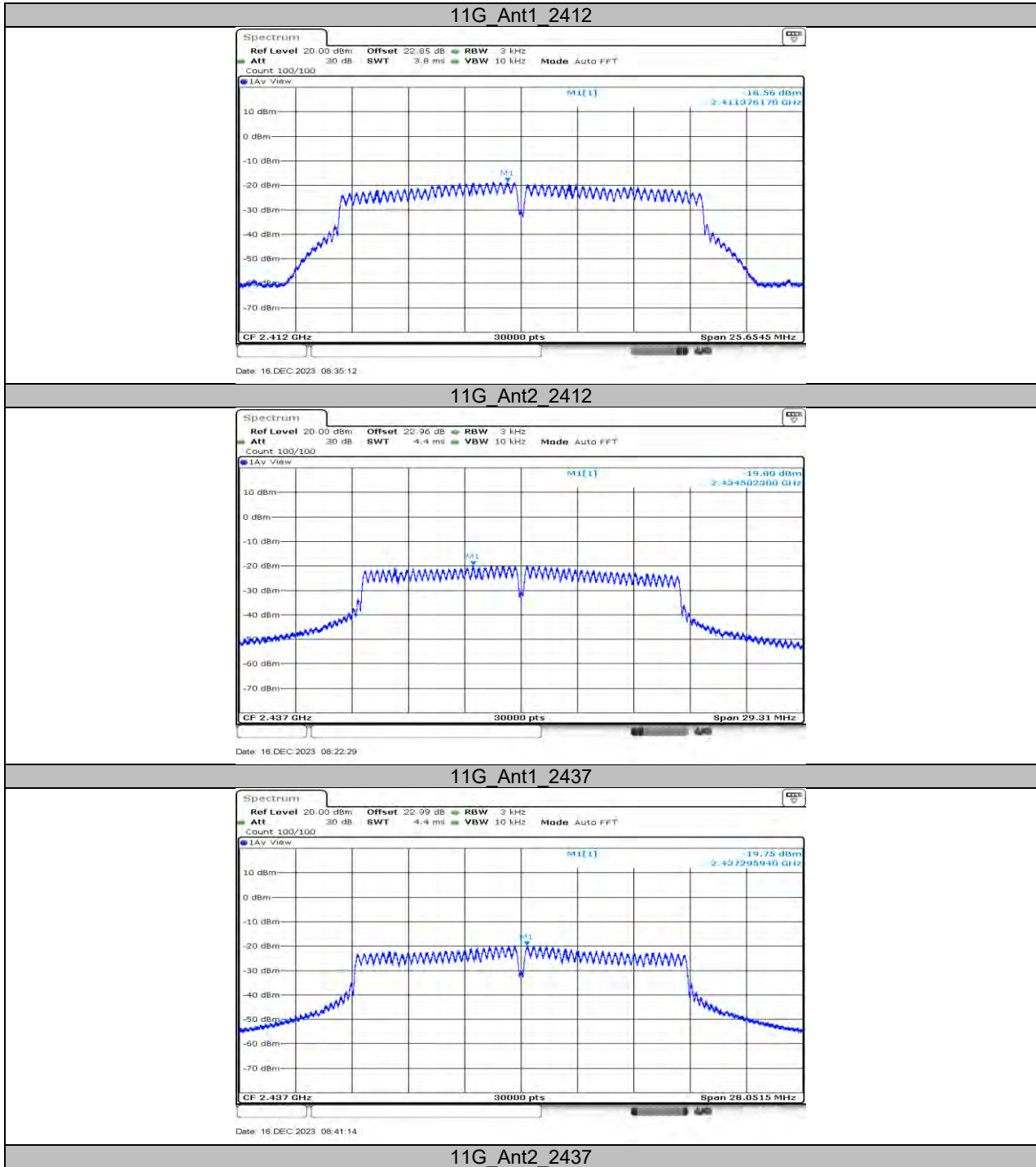


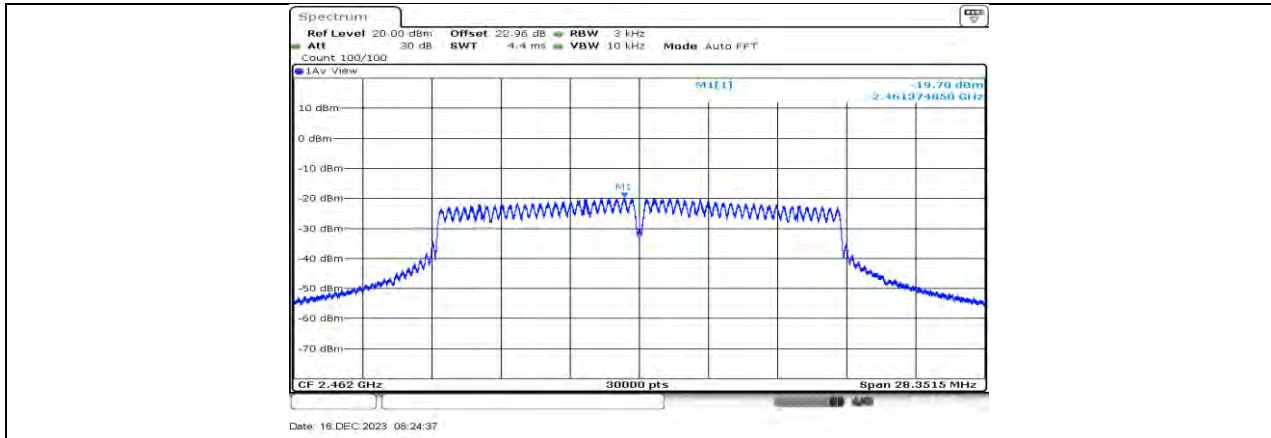
11B Ant1 2462



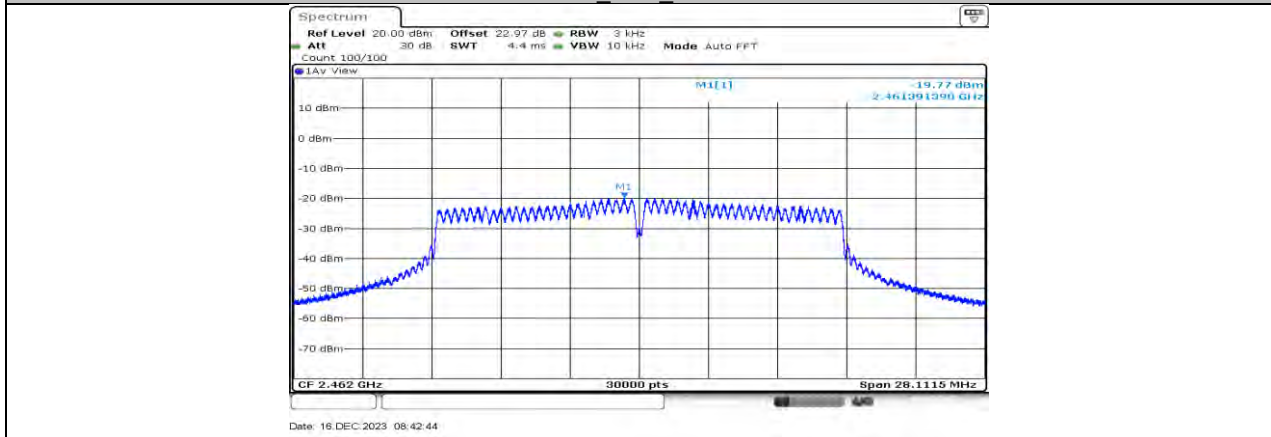
11B Ant2 2462



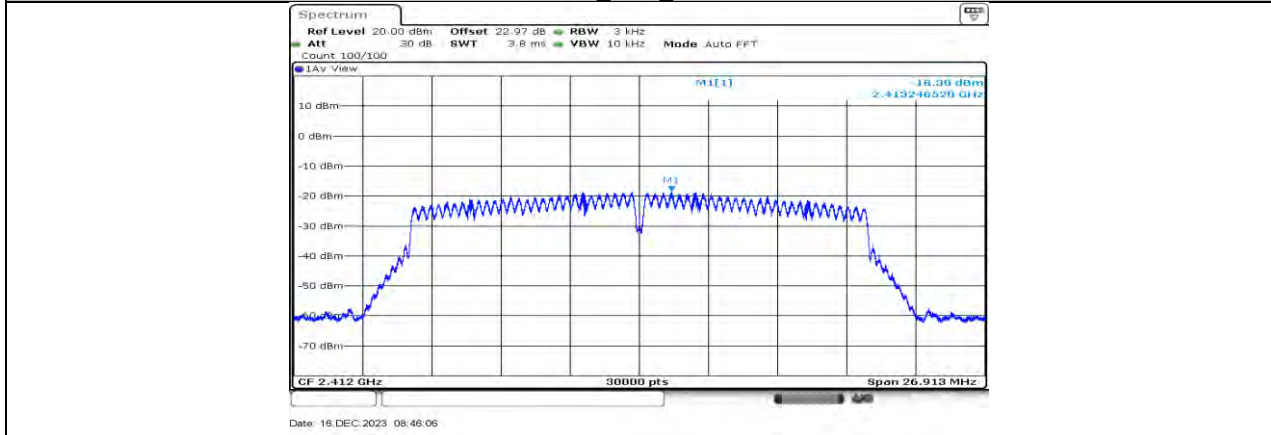




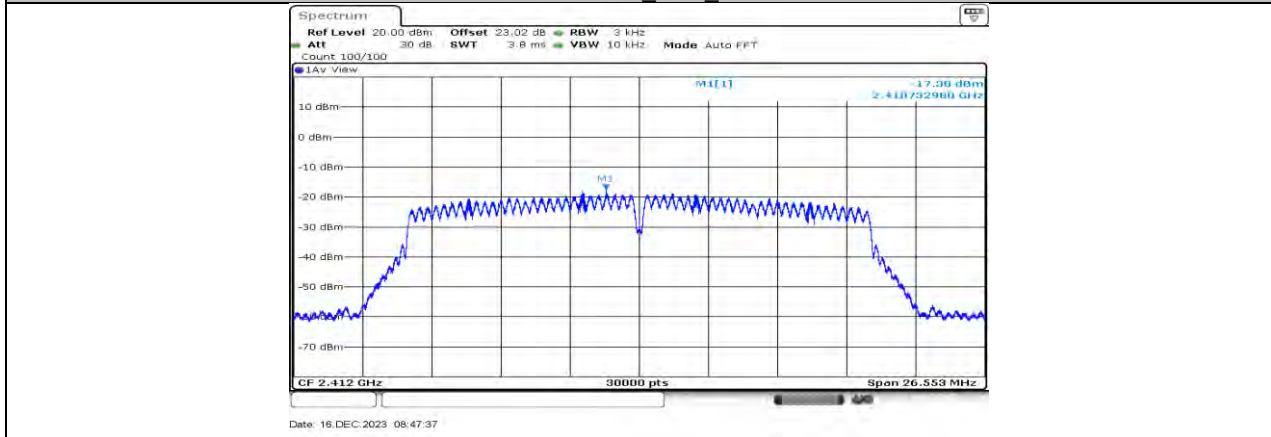
11G Ant1 2462

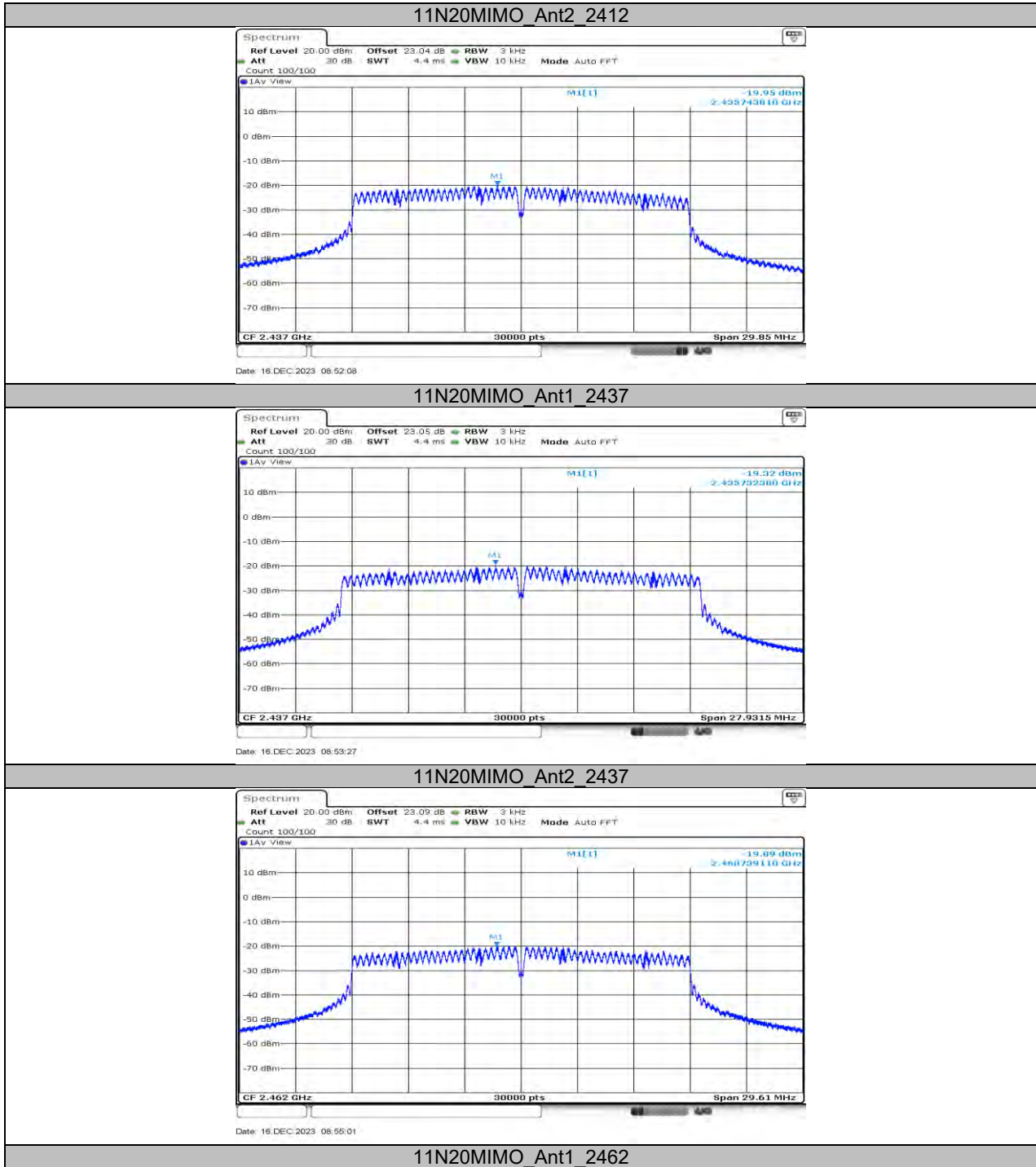


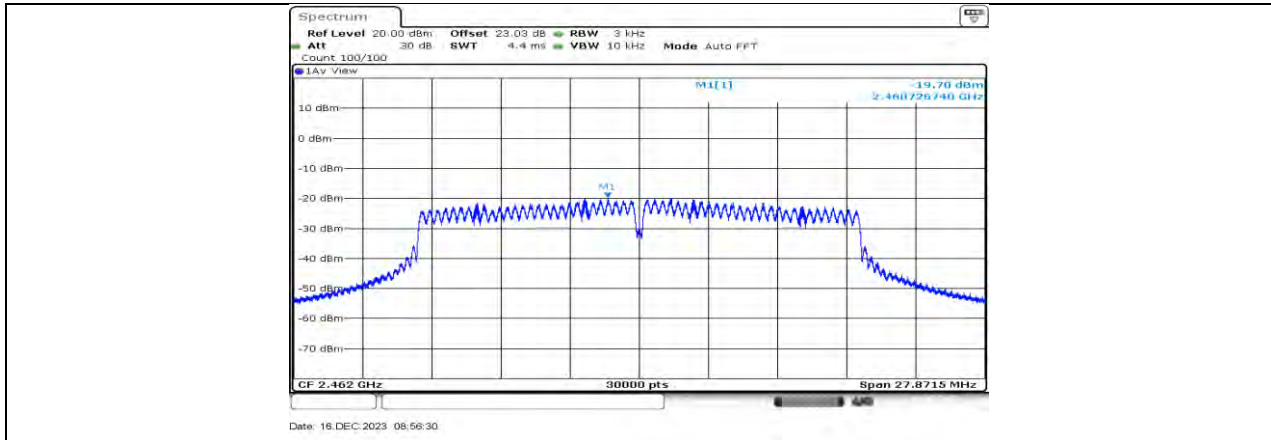
11G Ant2 2462



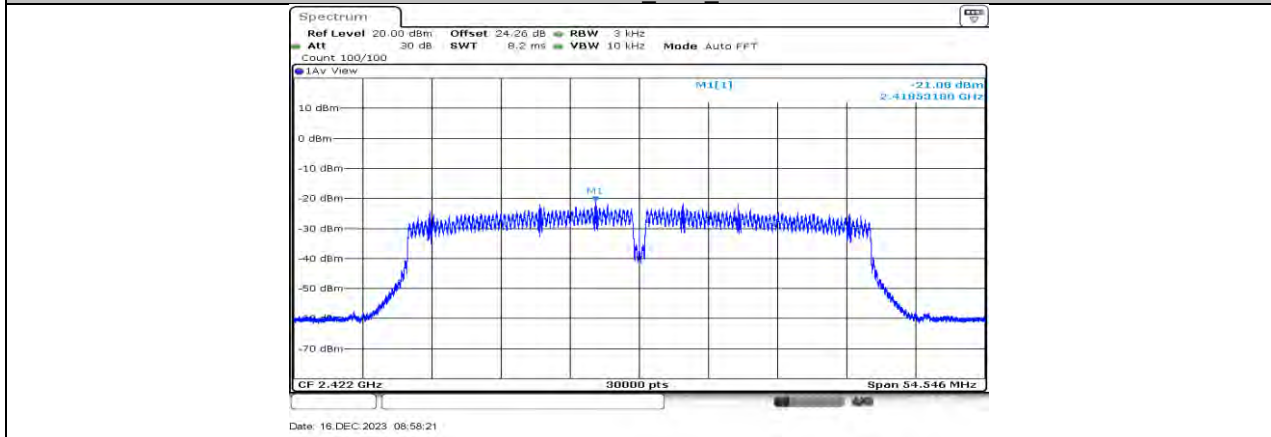
11N20MIMO Ant1 2412



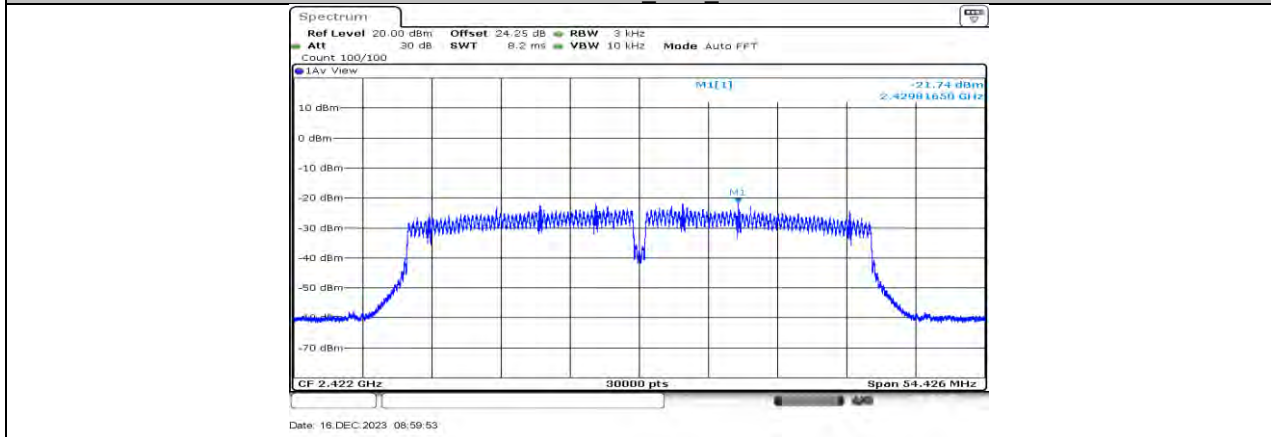




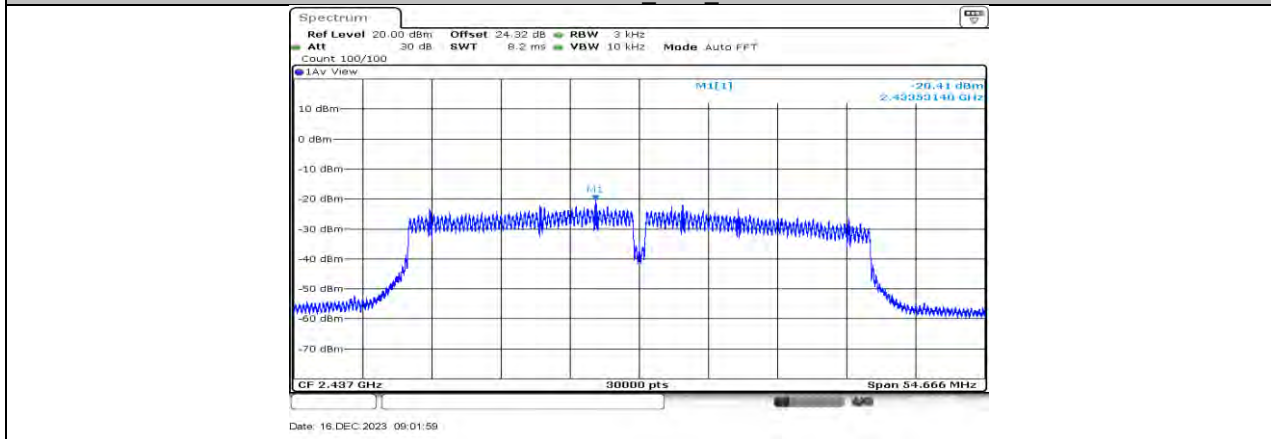
11N20MIMO Ant2 2462

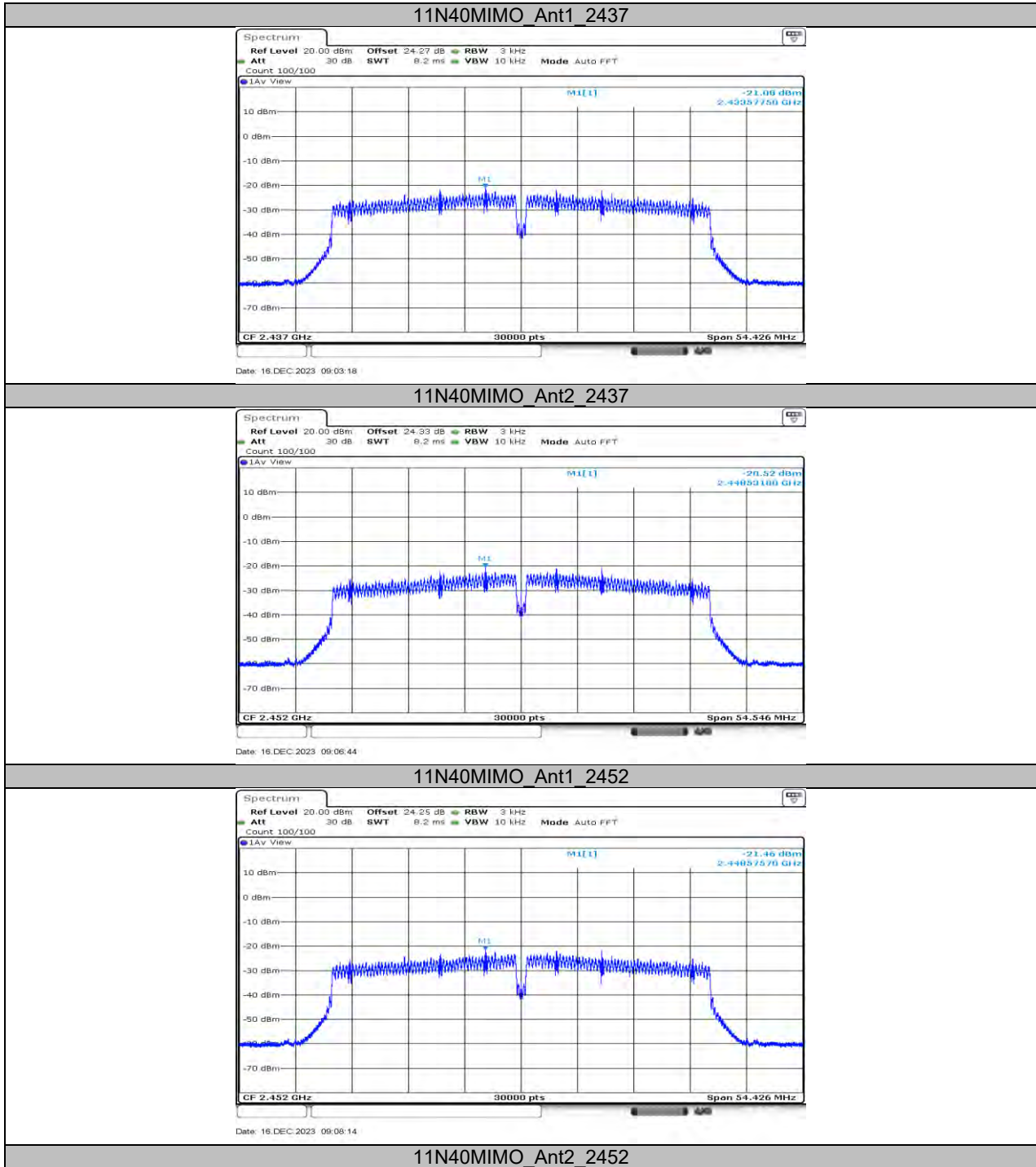


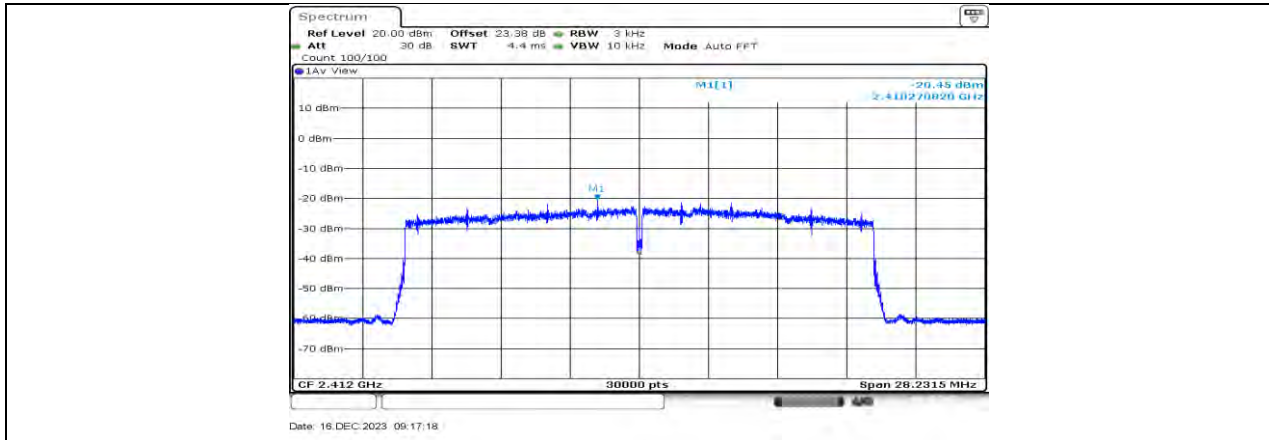
11N40MIMO Ant1 2422



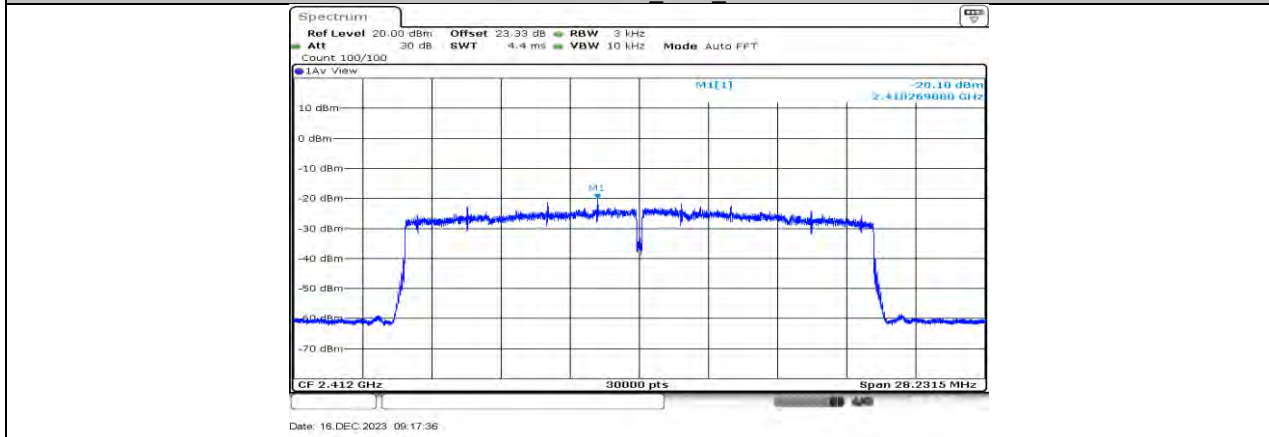
11N40MIMO Ant2 2422



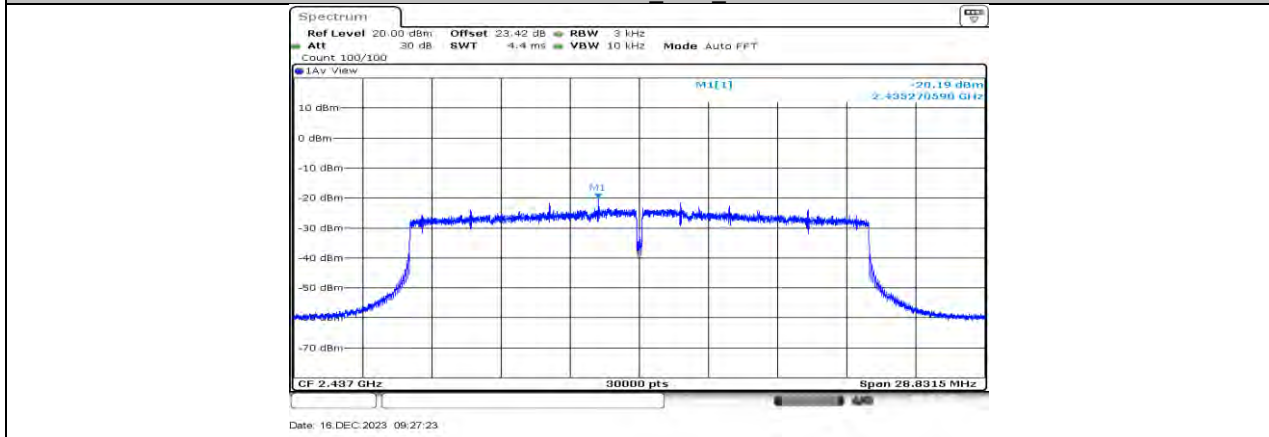




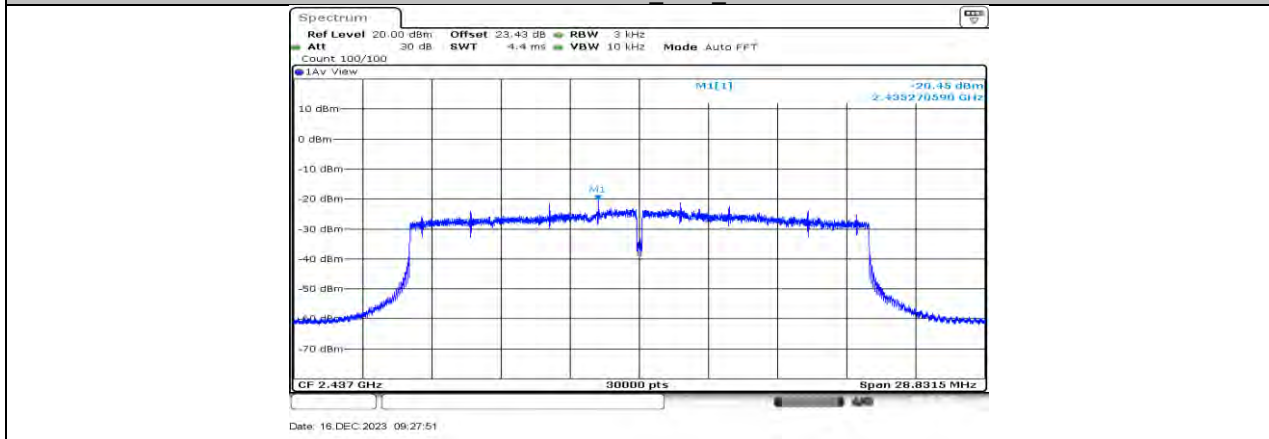
11AX20MIMO_Ant1_2412

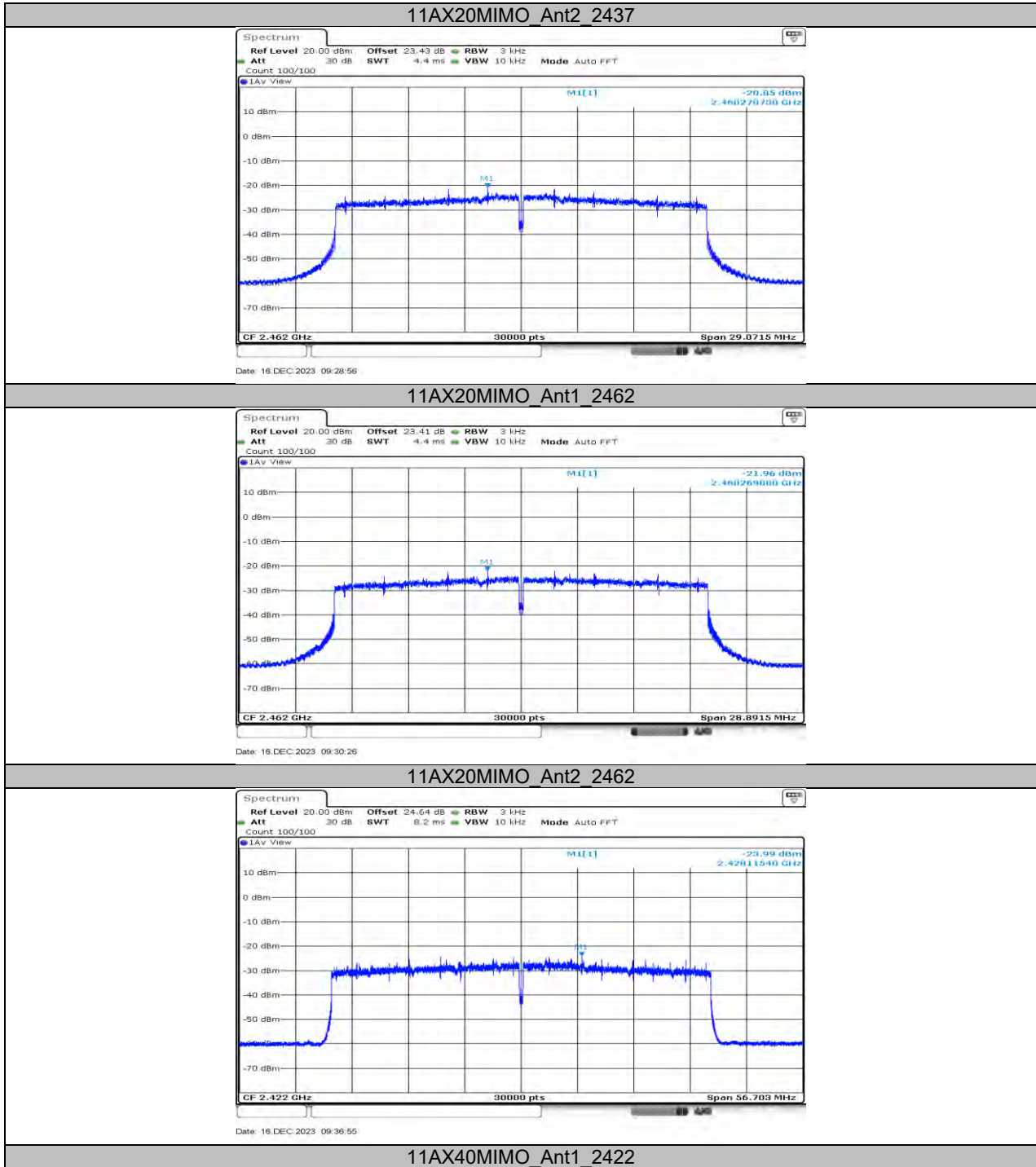


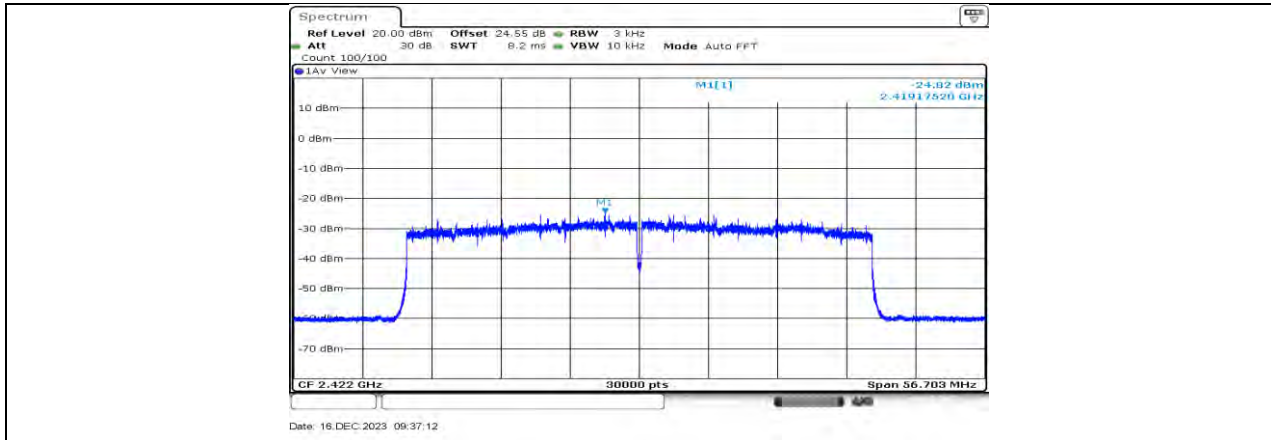
11AX20MIMO_Ant2_2412



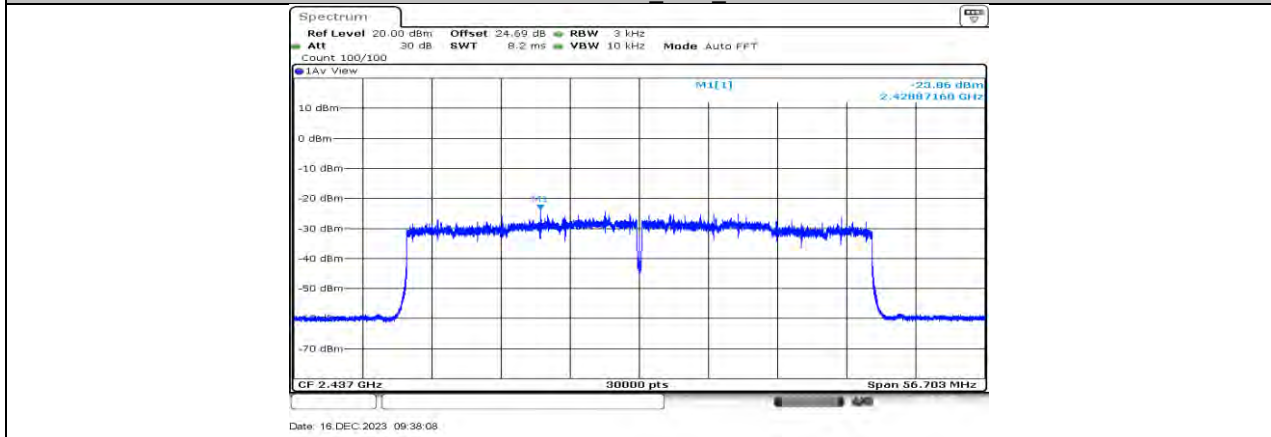
11AX20MIMO_Ant1_2437



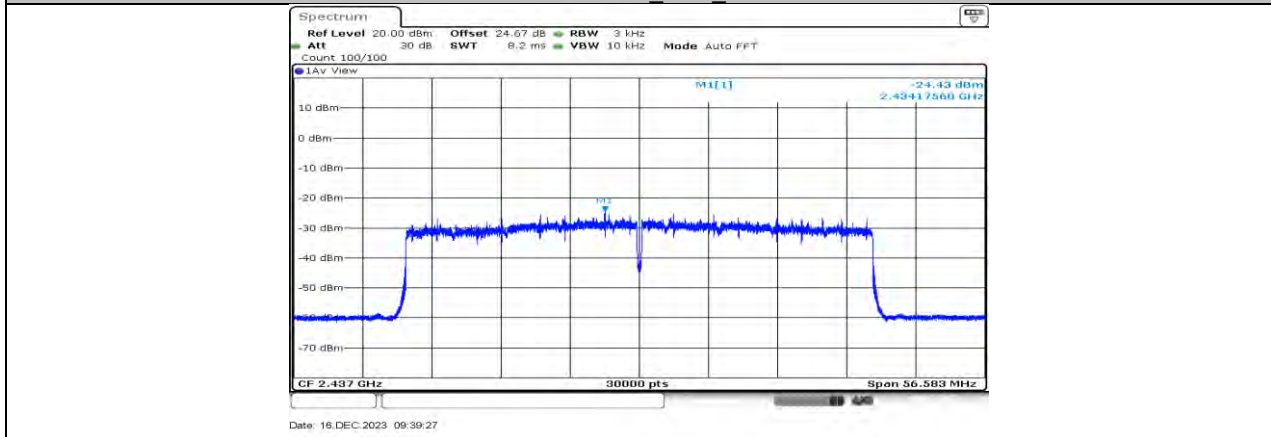




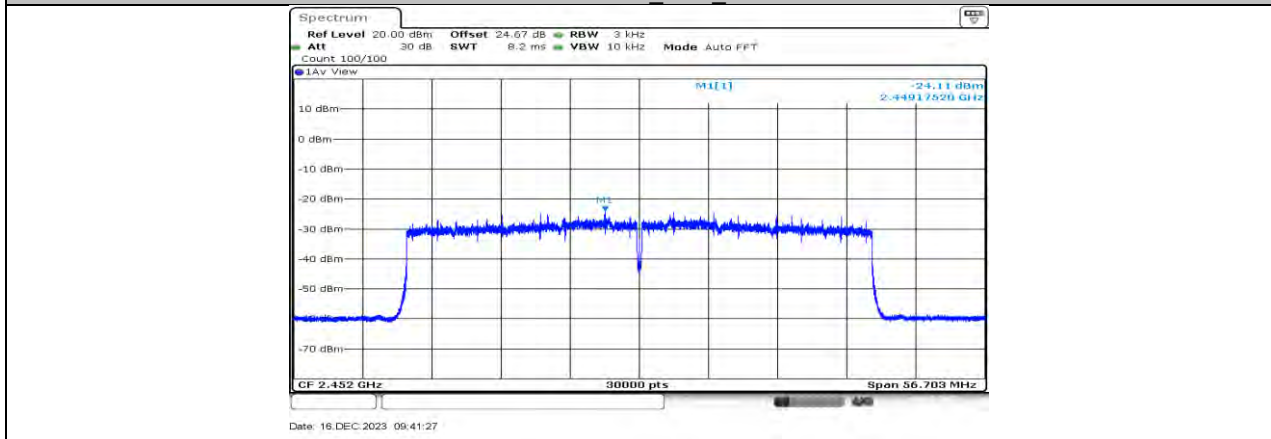
11AX40MIMO_Ant2_2422

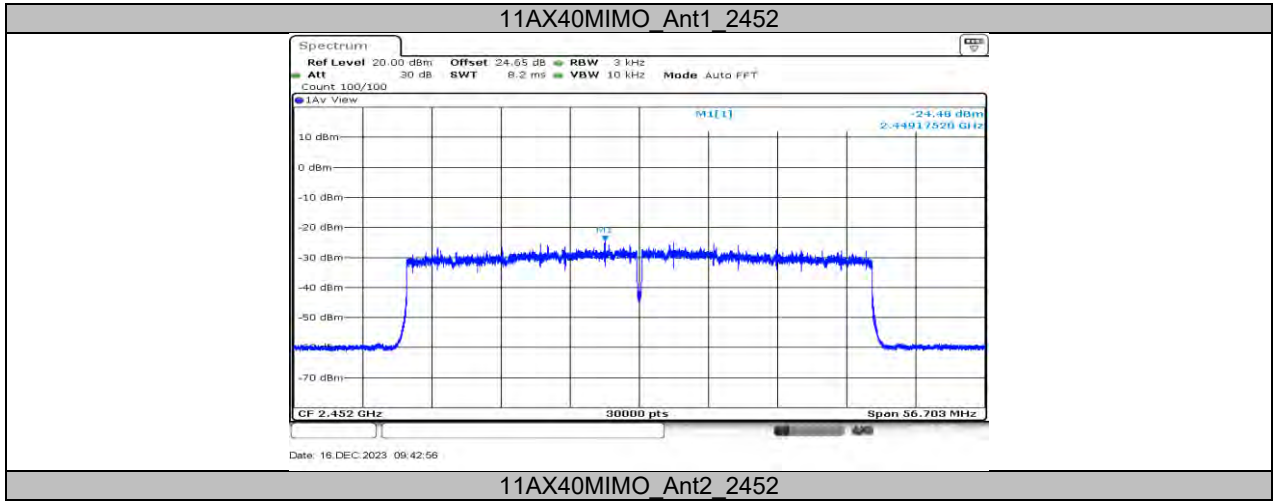


11AX40MIMO_Ant1_2437



11AX40MIMO_Ant2_2437



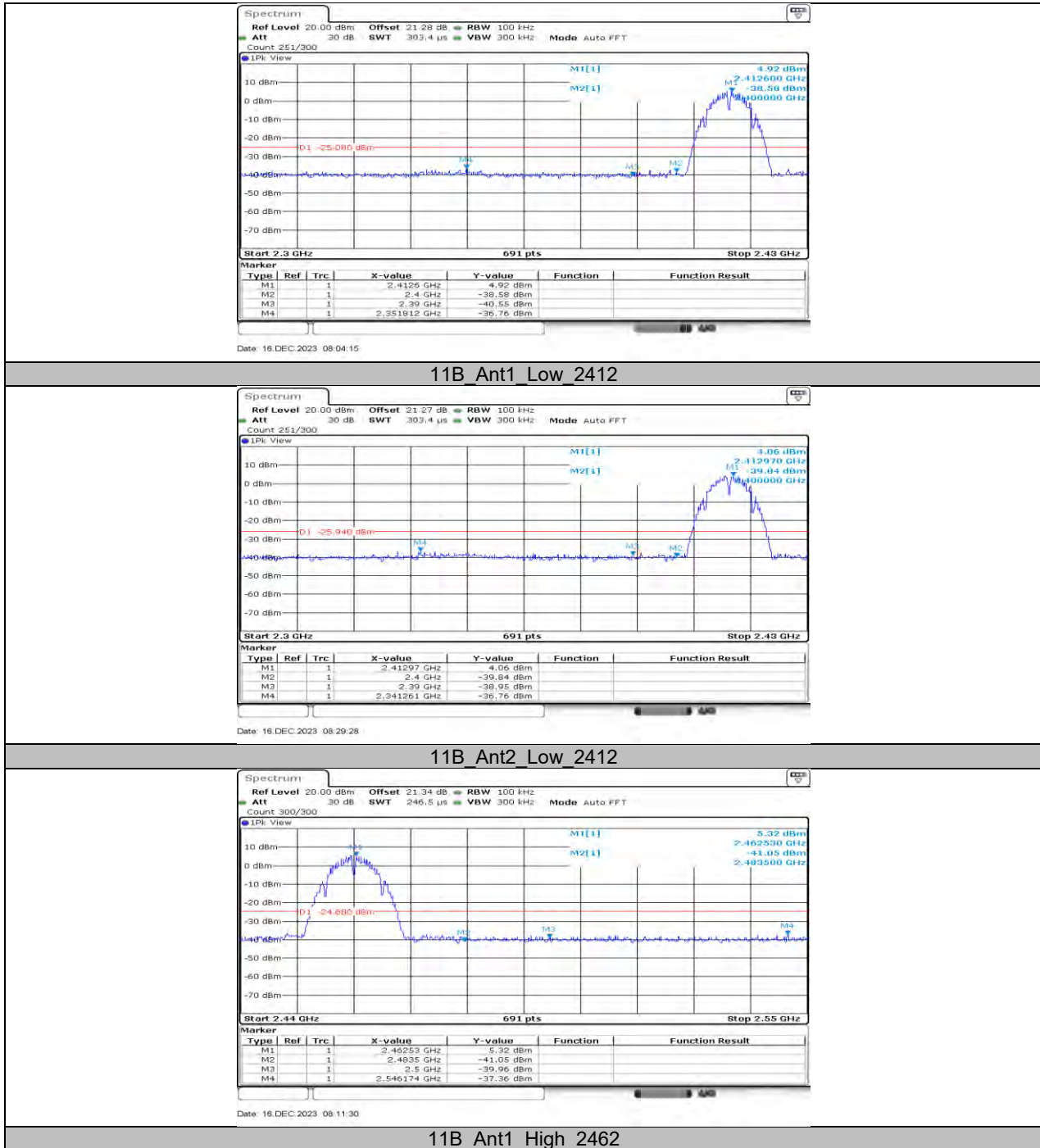


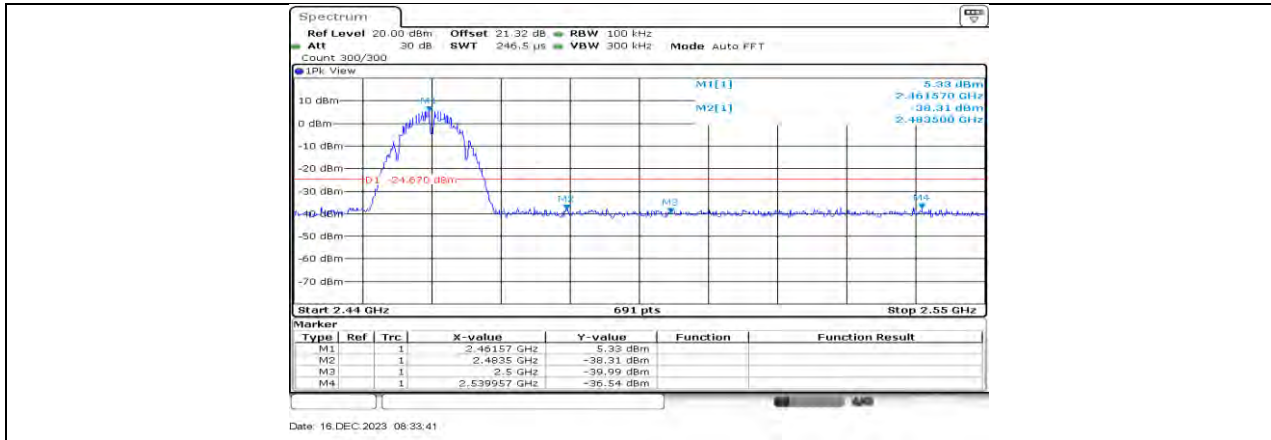
11.5. APPENDIX E: BAND EDGE MEASUREMENTS

11.5.1. Test Result

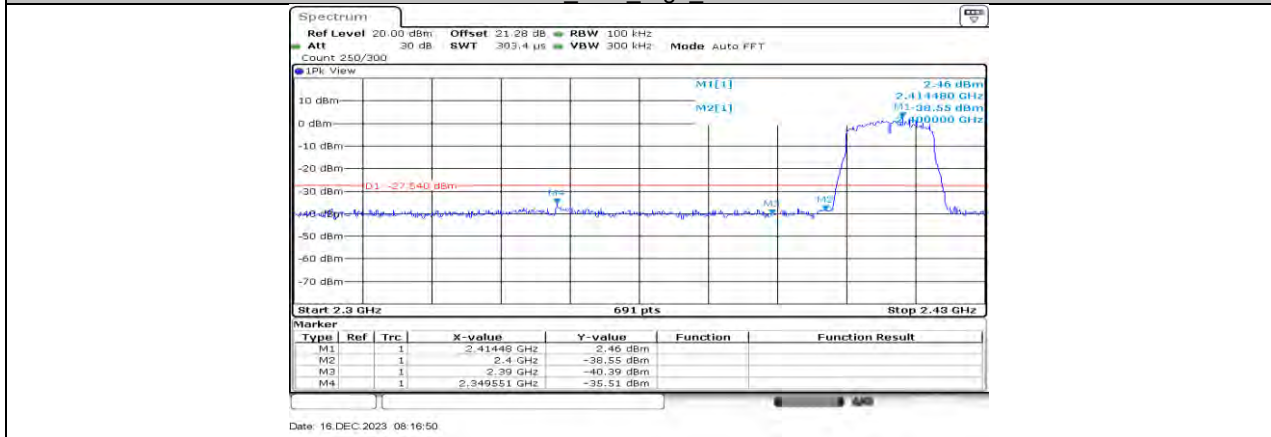
Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	Low	2412	4.92	-36.76	≤-25.08	PASS
	Ant2	Low	2412	4.06	-36.76	≤-25.94	PASS
	Ant1	High	2462	5.32	-37.36	≤-24.68	PASS
	Ant2	High	2462	5.33	-36.54	≤-24.67	PASS
11G	Ant1	Low	2412	2.46	-35.51	≤-27.54	PASS
	Ant2	Low	2412	3.91	-36.67	≤-26.09	PASS
	Ant1	High	2462	0.68	-36.95	≤-29.32	PASS
	Ant2	High	2462	0.12	-37.68	≤-29.88	PASS
11N20MIMO	Ant1	Low	2412	1.51	-37.15	≤-28.49	PASS
	Ant2	Low	2412	2.60	-33.84	≤-27.4	PASS
	Ant1	High	2462	1.91	-36.76	≤-28.09	PASS
	Ant2	High	2462	1.92	-37.07	≤-28.08	PASS
11N40MIMO	Ant1	Low	2422	-0.22	-37.03	≤-30.22	PASS
	Ant2	Low	2422	-1.38	-36.16	≤-31.38	PASS
	Ant1	High	2452	-0.10	-36.97	≤-30.1	PASS
	Ant2	High	2452	-2.24	-36.94	≤-32.24	PASS
11AX20MIMO	Ant1	Low	2412	1.68	-37.21	≤-28.32	PASS
	Ant2	Low	2412	0.36	-36.66	≤-29.64	PASS
	Ant1	High	2462	-1.87	-37.04	≤-31.87	PASS
	Ant2	High	2462	-0.39	-36.77	≤-30.39	PASS
11AX40MIMO	Ant1	Low	2422	-3.44	-35.89	≤-33.44	PASS
	Ant2	Low	2422	-4.24	-37.62	≤-34.24	PASS
	Ant1	High	2452	-4.12	-35.82	≤-34.12	PASS
	Ant2	High	2452	-2.70	-35.7	≤-32.7	PASS

11.5.2. Test Graphs

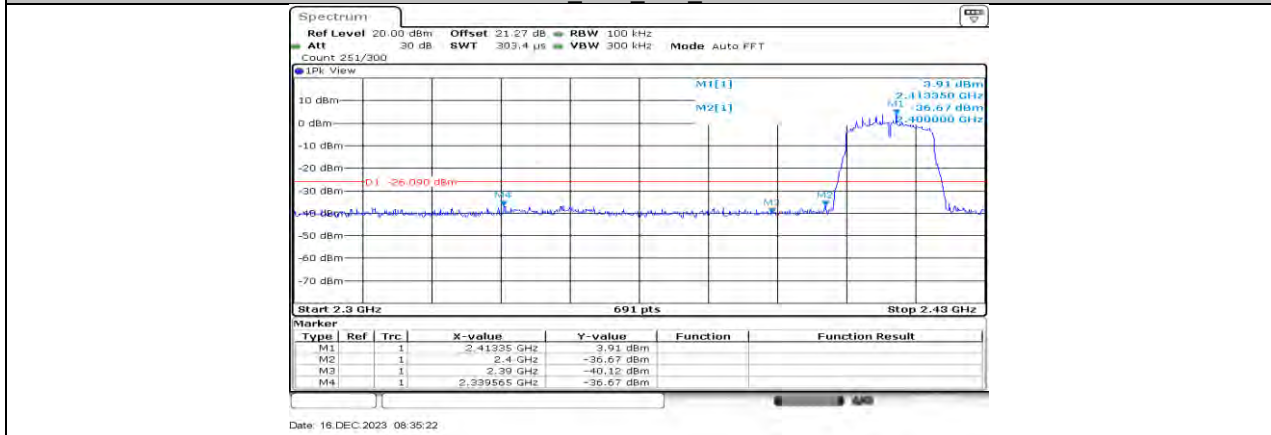




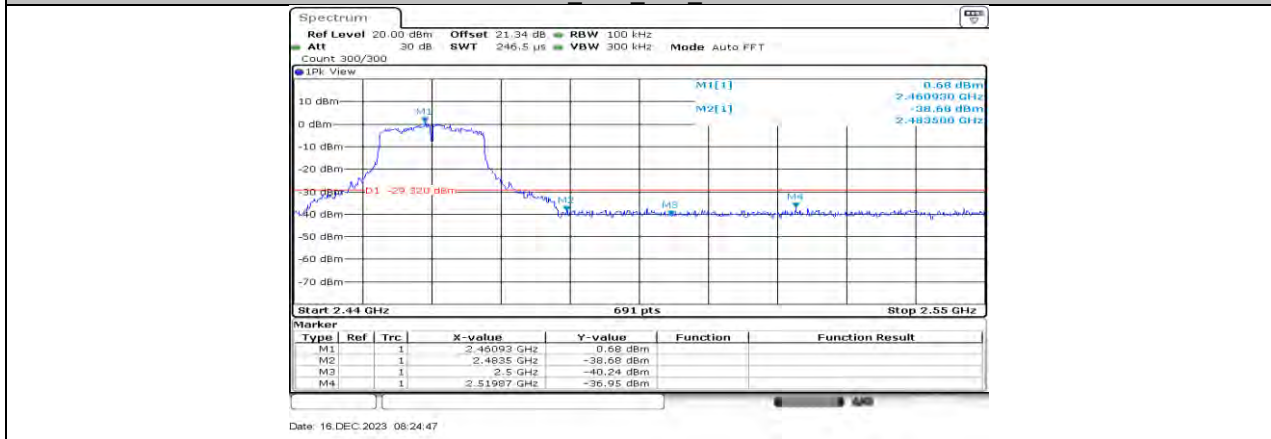
11B Ant2 High 2462



11G Ant1 Low 2412



11G Ant2 Low 2412

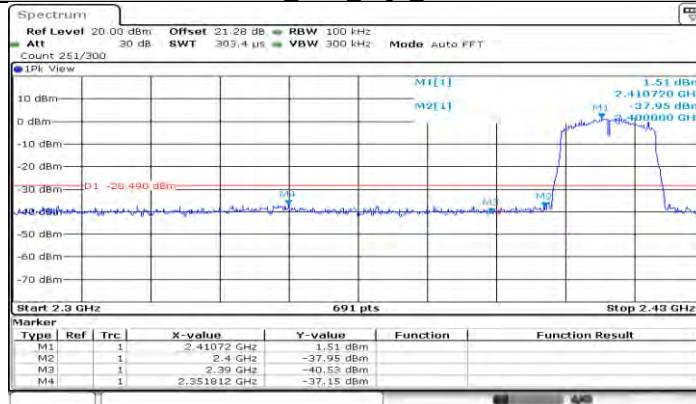


11G Ant1_High_2462



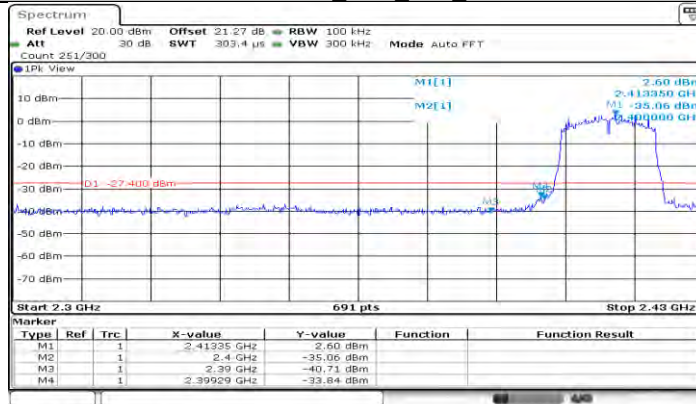
Date: 16.DEC.2023 08:42:55

11G Ant2_High_2462



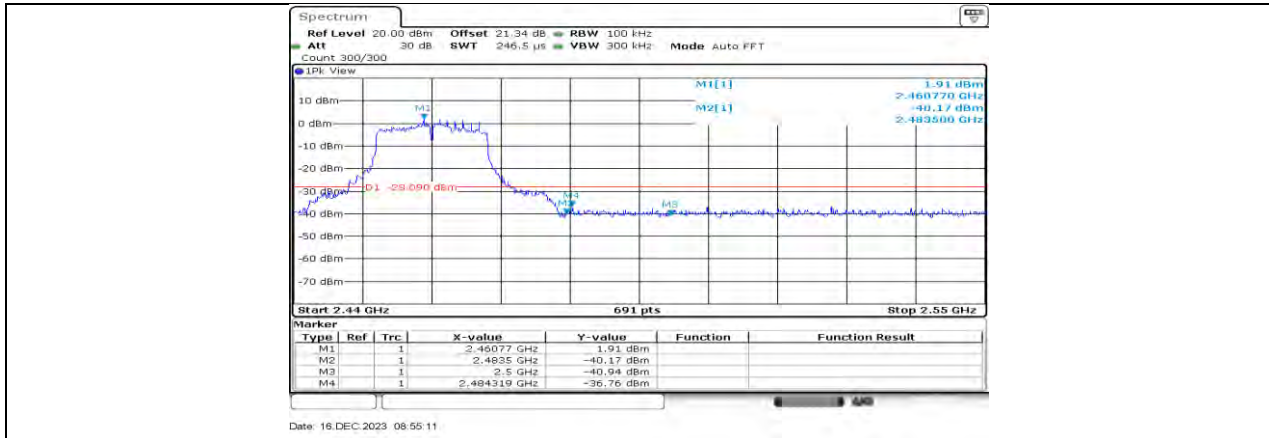
Date: 16.DEC.2023 08:46:16

11N20MIMO_Ant1_Low_2412

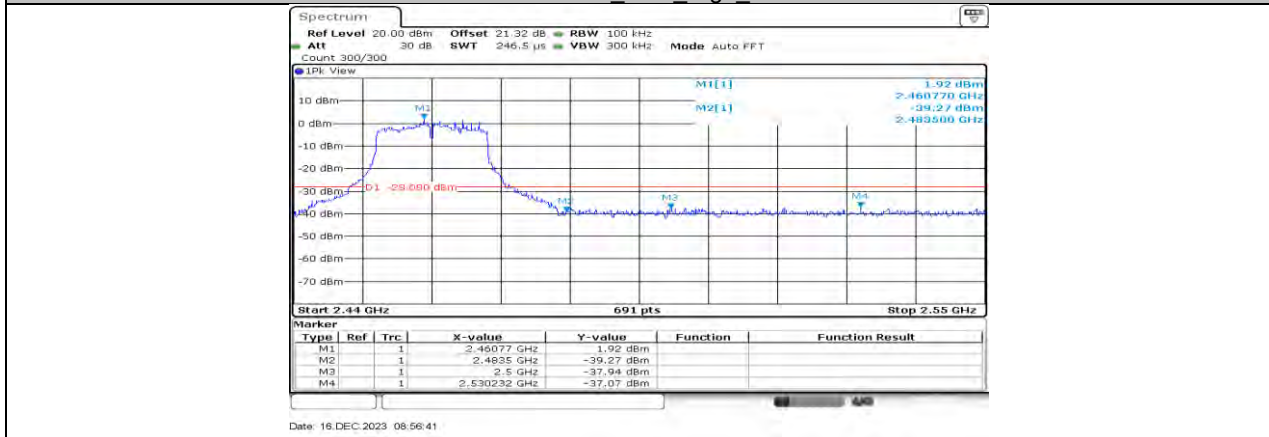


Date: 16.DEC.2023 08:47:48

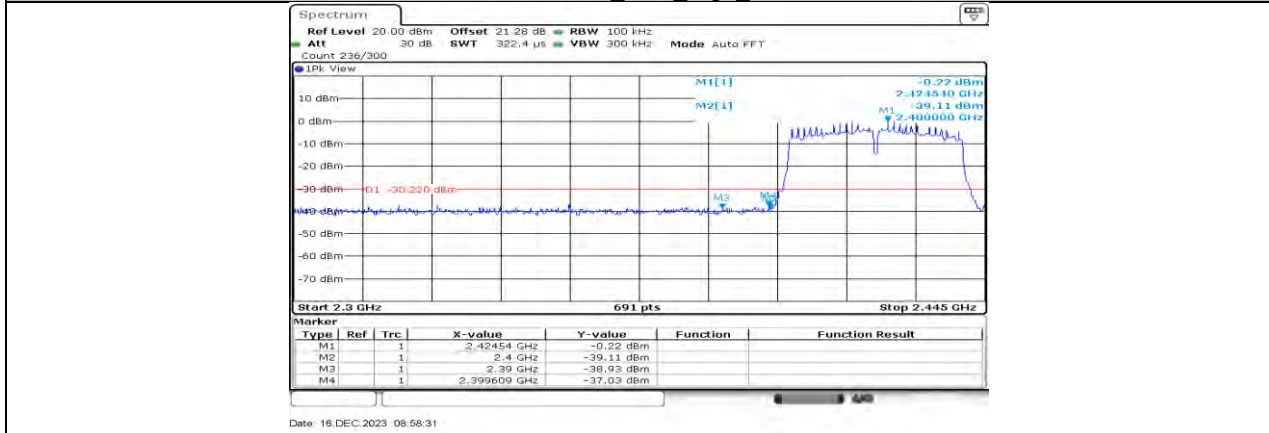
11N20MIMO_Ant2_Low_2412



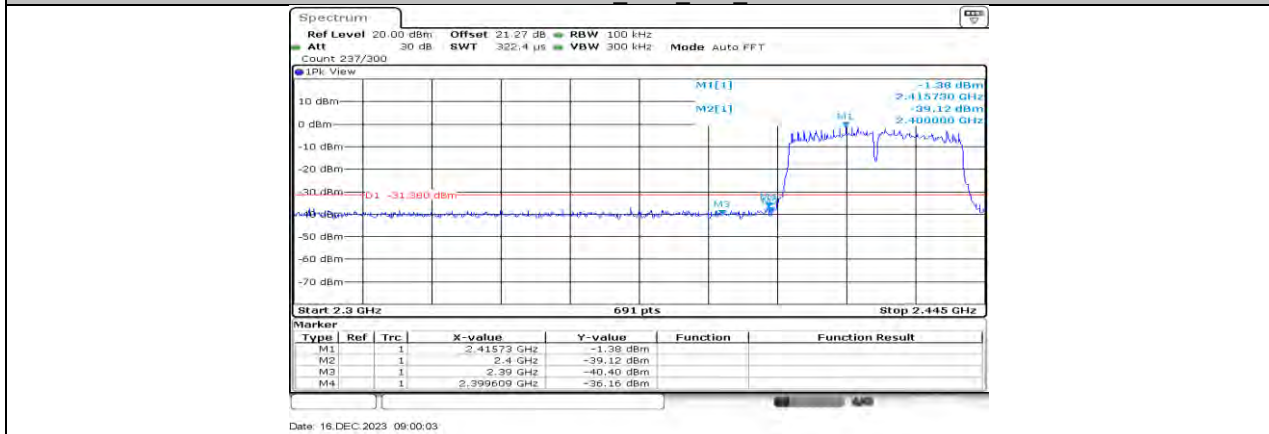
11N20MIMO Ant1 High 2462



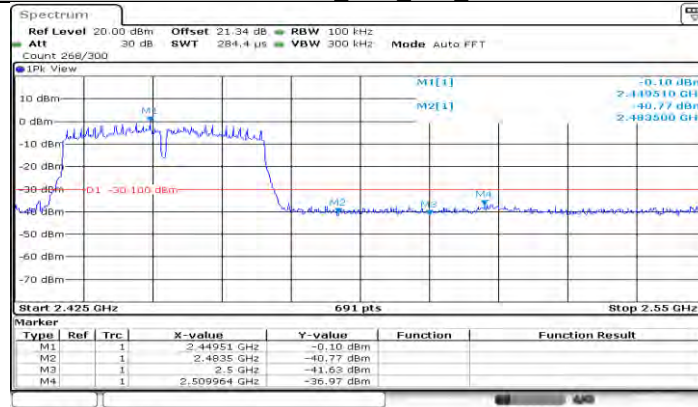
11N20MIMO Ant2 High 2462



11N40MIMO Ant1 Low 2422

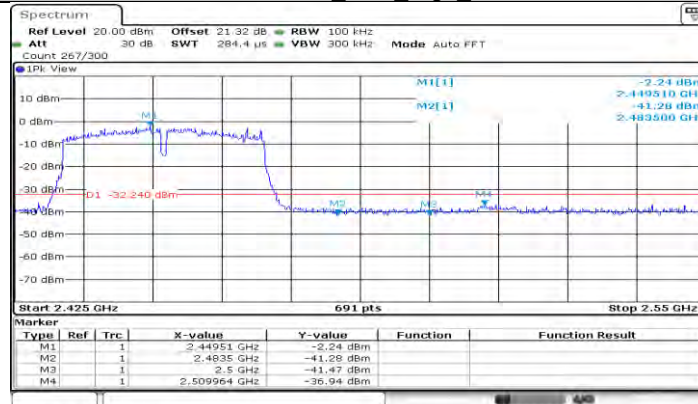


11N40MIMO_Ant2_Low_2422



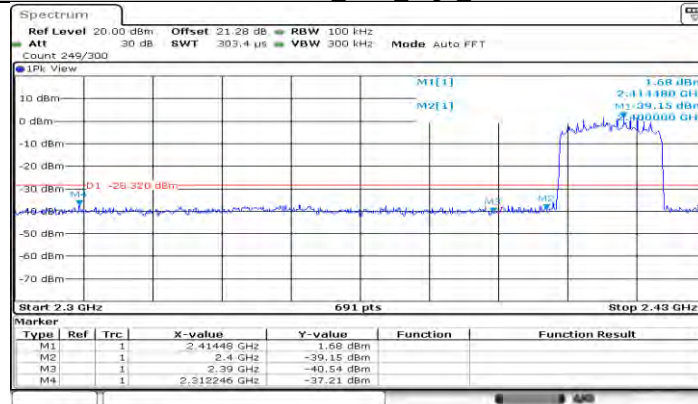
Date: 16.DEC.2023 09:06:54

11N40MIMO_Ant1_High_2452



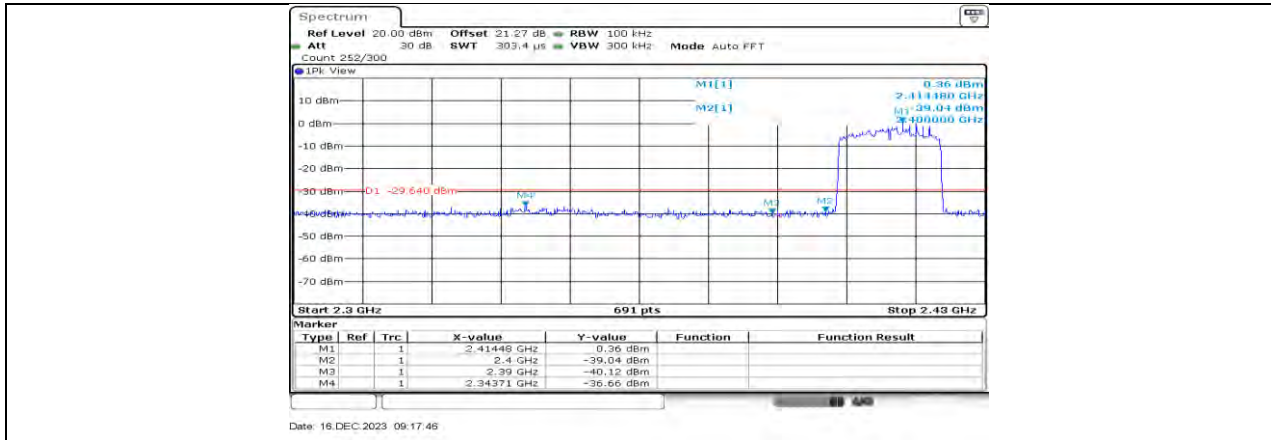
Date: 16.DEC.2023 09:08:24

11N40MIMO_Ant2_High_2452

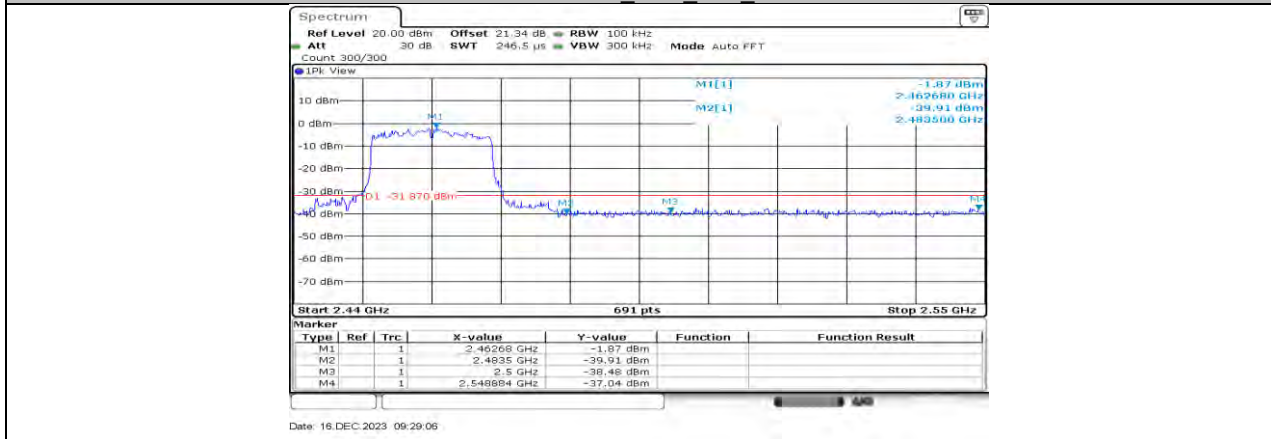


Date: 16.DEC.2023 09:15:15

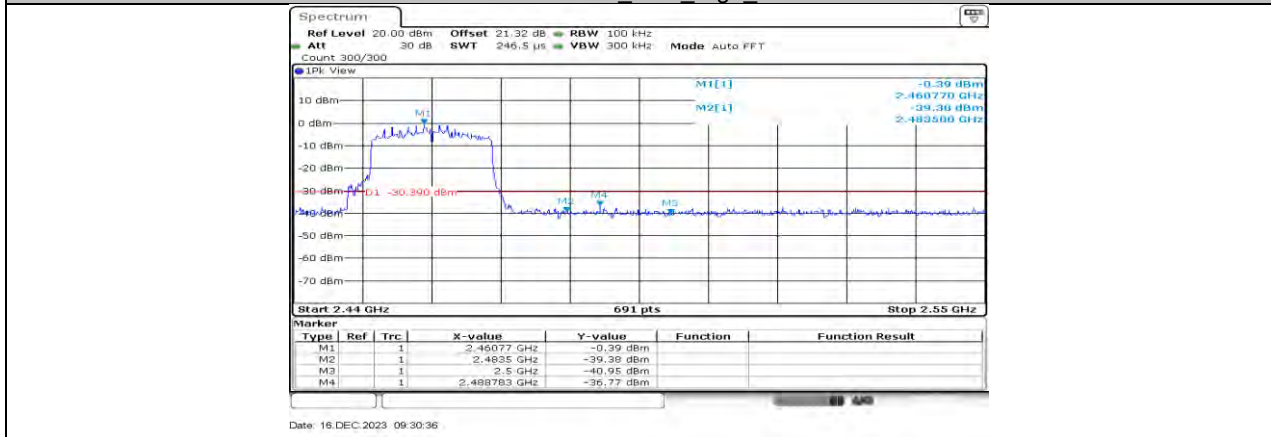
11AX20MIMO_Ant1_Low_2412



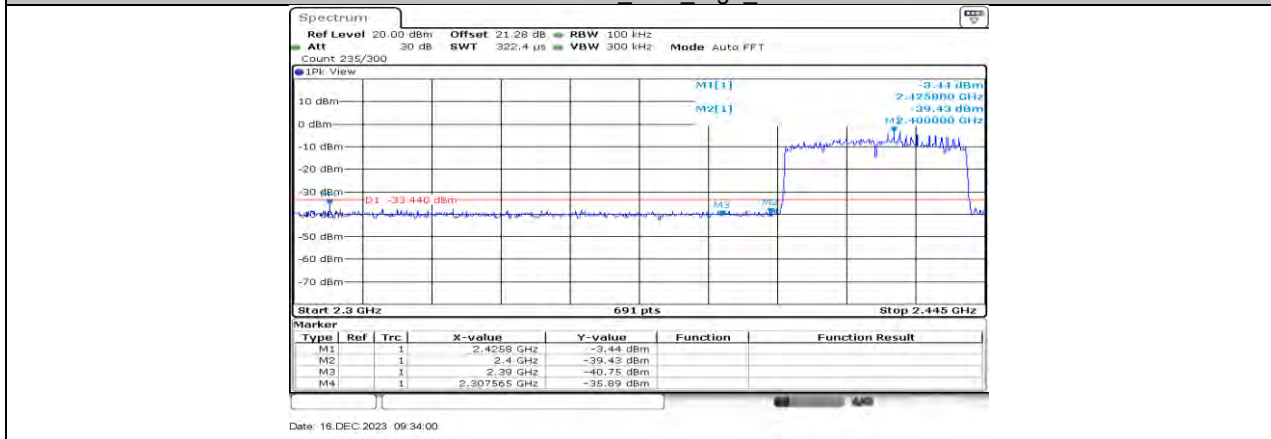
11AX20MIMO Ant2 Low 2412



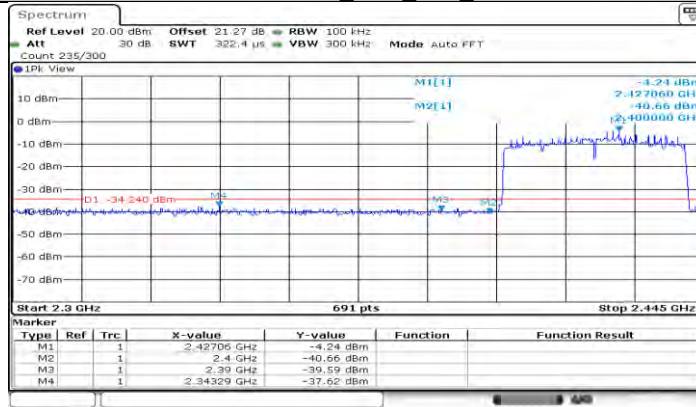
11AX20MIMO Ant1 High 2462



11AX20MIMO Ant2 High 2462

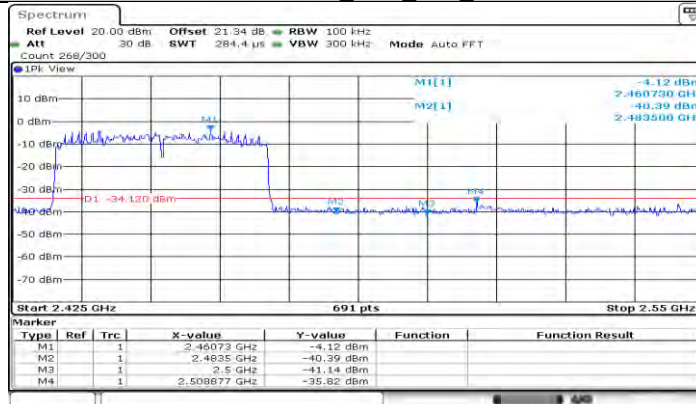


11AX40MIMO_Ant1_Low_2422



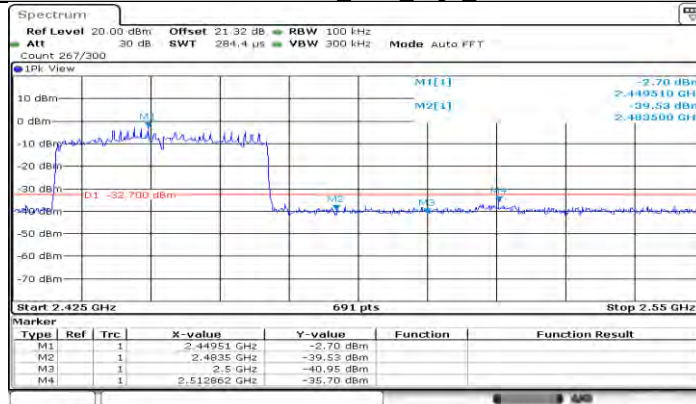
Date: 16.DEC.2023 09:35:31

11AX40MIMO_Ant2_Low_2422



Date: 16.DEC.2023 09:41:37

11AX40MIMO_Ant1_High_2452



Date: 16.DEC.2023 09:43:07

11AX40MIMO_Ant2_High_2452

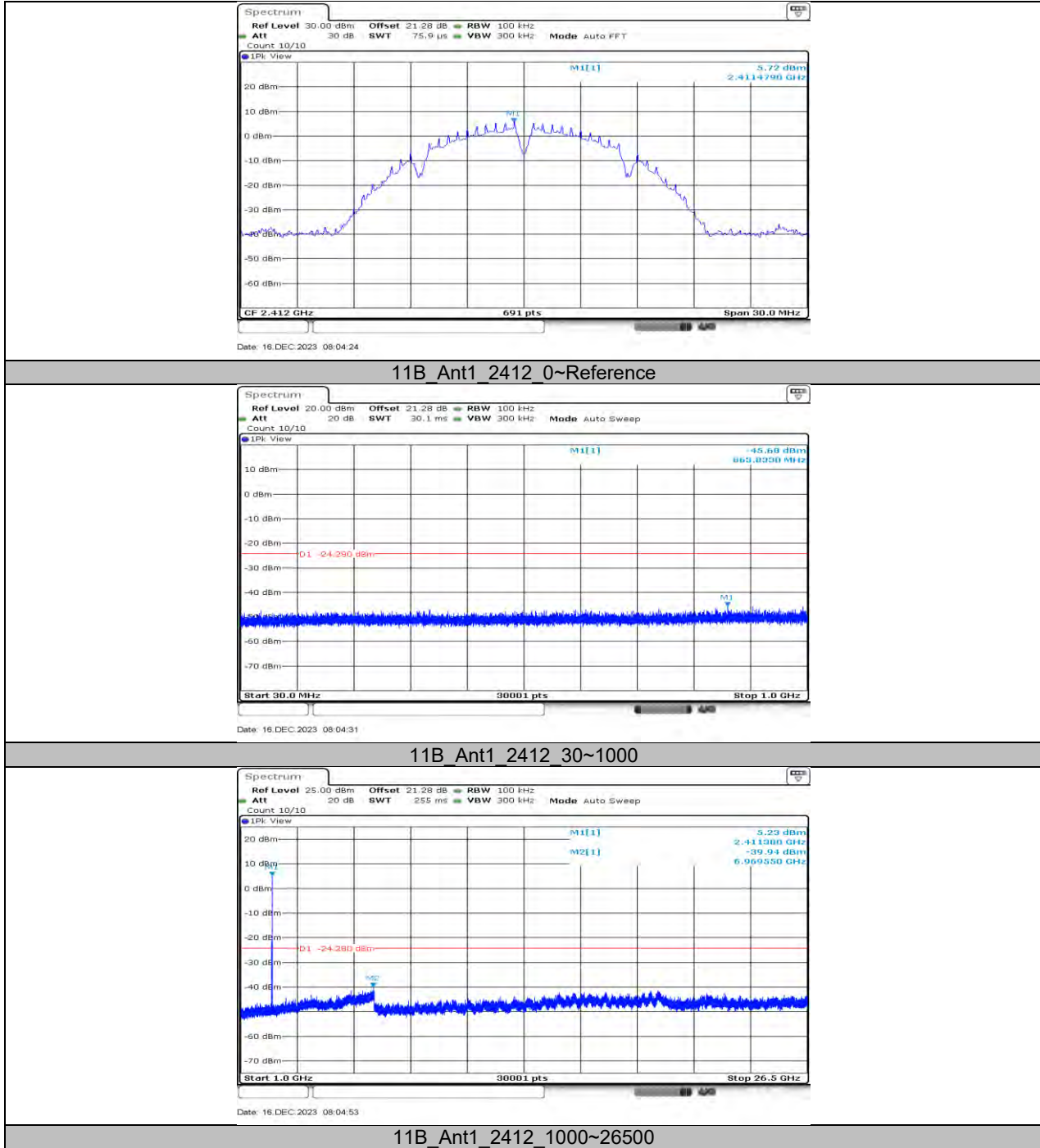
11.6. APPENDIX F: CONDUCTED SPURIOUS EMISSION

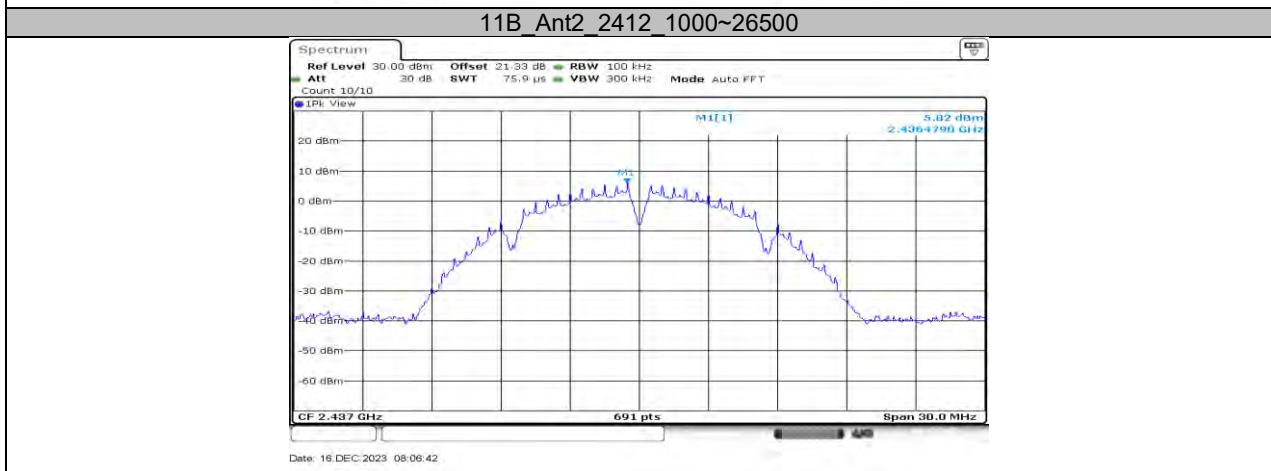
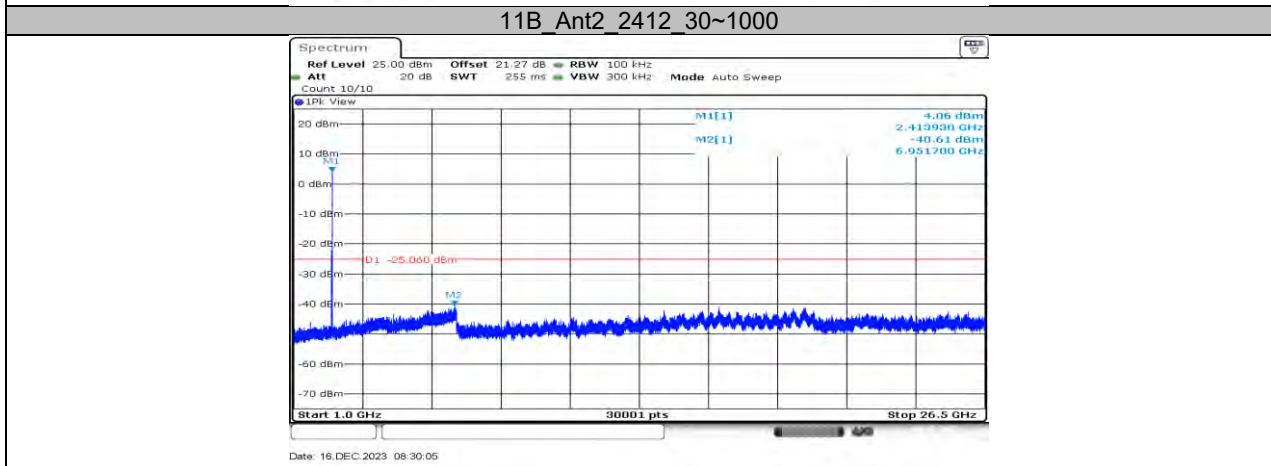
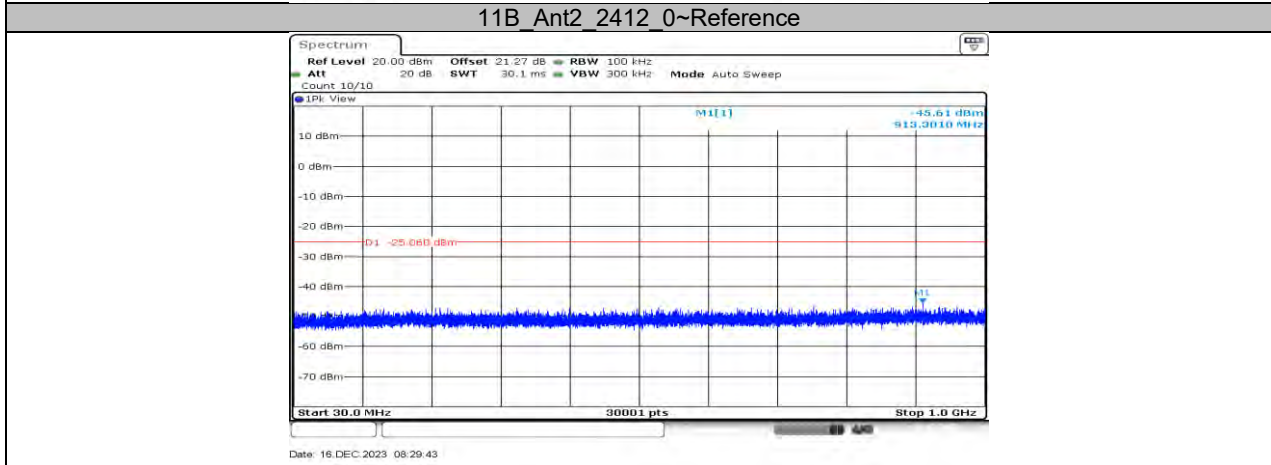
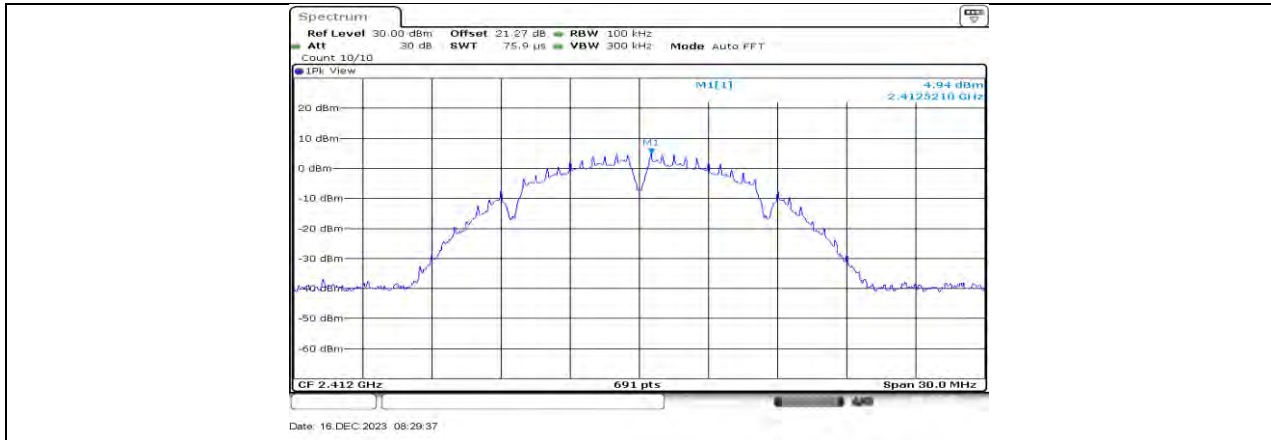
11.6.1. Test Result

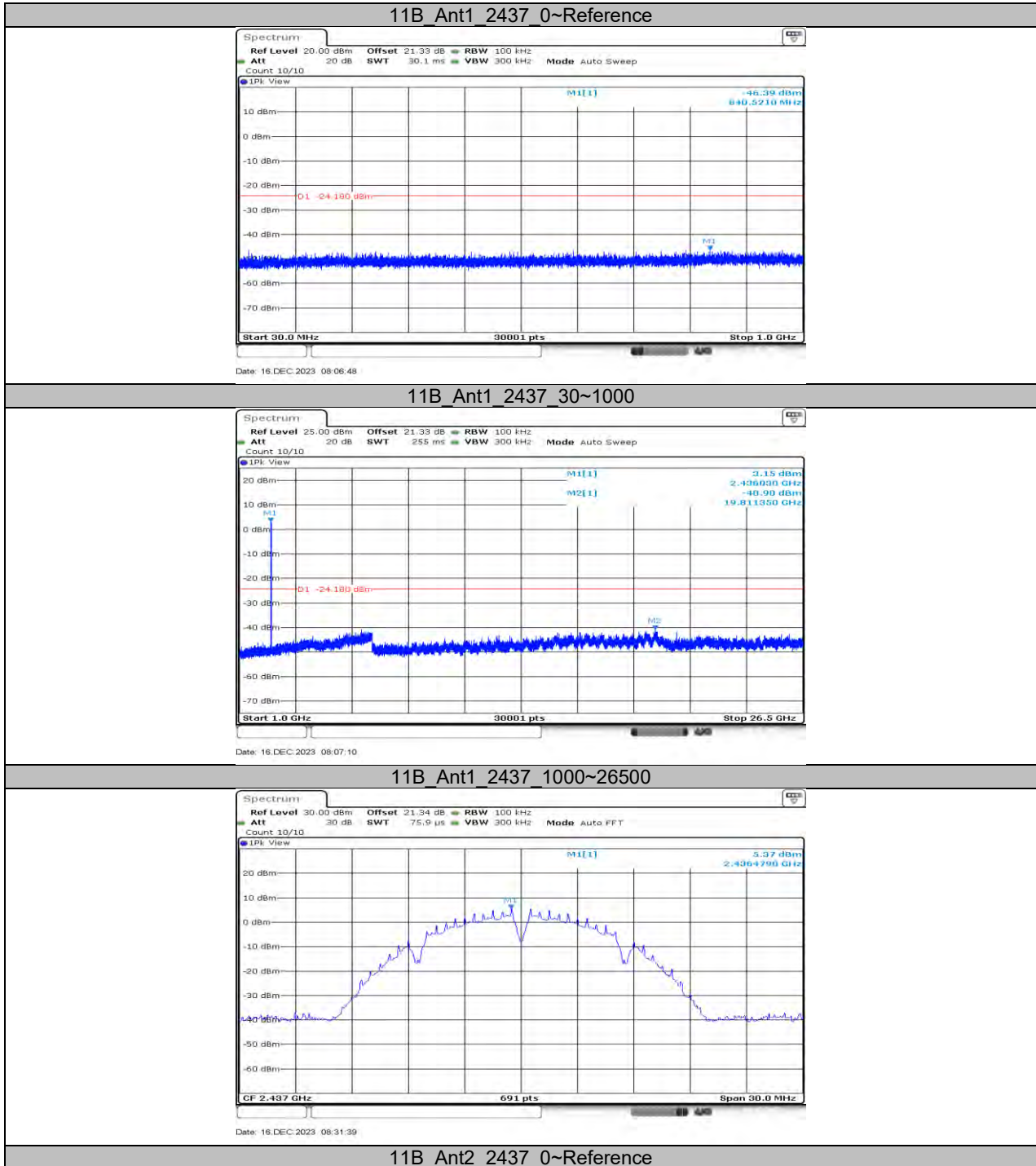
Test Mode	Antenna	Frequency[MHz]	FreqRange [Mhz]	Result [dBm]	Limit [dBm]	Verdict	
11B	Ant1	2412	Reference	5.72	---	PASS	
			30~1000	-45.68	≤-24.28	PASS	
			1000~26500	-39.94	≤-24.28	PASS	
	Ant2	2412	Reference	4.94	---	PASS	
			30~1000	-45.61	≤-25.06	PASS	
			1000~26500	-40.61	≤-25.06	PASS	
	Ant1	2437	Reference	5.82	---	PASS	
			30~1000	-46.39	≤-24.18	PASS	
			1000~26500	-40.9	≤-24.18	PASS	
	Ant2	2437	Reference	5.37	---	PASS	
			30~1000	-46.29	≤-24.63	PASS	
			1000~26500	-40.84	≤-24.63	PASS	
	Ant1	2462	Reference	5.08	---	PASS	
			30~1000	-46.17	≤-24.92	PASS	
			1000~26500	-41.33	≤-24.92	PASS	
	Ant2	2462	Reference	5.43	---	PASS	
			30~1000	-46.24	≤-24.57	PASS	
			1000~26500	-41.06	≤-24.57	PASS	
	11G	Ant1	2412	Reference	4.23	---	PASS
				30~1000	-45.82	≤-25.77	PASS
				1000~26500	-40.83	≤-25.77	PASS
		Ant2	2412	Reference	3.37	---	PASS
				30~1000	-46.19	≤-26.63	PASS
				1000~26500	-41.07	≤-26.63	PASS
Ant1		2437	Reference	3.05	---	PASS	
			30~1000	-46.34	≤-26.95	PASS	
			1000~26500	-40.84	≤-26.95	PASS	
Ant2		2437	Reference	2.66	---	PASS	
			30~1000	-46.67	≤-27.34	PASS	
			1000~26500	-40.5	≤-27.34	PASS	
Ant1		2462	Reference	3.00	---	PASS	
			30~1000	-45.34	≤-27	PASS	
			1000~26500	-41.03	≤-27	PASS	
Ant2		2462	Reference	2.67	---	PASS	
			30~1000	-44.72	≤-27.33	PASS	
			1000~26500	-41.11	≤-27.33	PASS	
11N20MIMO		Ant1	2412	Reference	4.49	---	PASS
				30~1000	-45.32	≤-25.51	PASS
				1000~26500	-40.99	≤-25.51	PASS
		Ant2	2412	Reference	4.09	---	PASS
				30~1000	-46.11	≤-25.91	PASS
				1000~26500	-40.72	≤-25.91	PASS
	Ant1	2437	Reference	2.47	---	PASS	
			30~1000	-46.26	≤-27.53	PASS	
			1000~26500	-41.04	≤-27.53	PASS	
	Ant2	2437	Reference	2.46	---	PASS	
			30~1000	-46.33	≤-27.54	PASS	
			1000~26500	-40.95	≤-27.54	PASS	
	Ant1	2462	Reference	3.23	---	PASS	
			30~1000	-46.25	≤-26.77	PASS	
			1000~26500	-40.14	≤-26.77	PASS	
	Ant2	2462	Reference	2.81	---	PASS	
			30~1000	-46.18	≤-27.19	PASS	
			1000~26500	-41.02	≤-27.19	PASS	
	11N40MIMO	Ant1	2422	Reference	0.22	---	PASS
				30~1000	-45.59	≤-29.78	PASS
				1000~26500	-41.32	≤-29.78	PASS
		Ant2	2422	Reference	-1.60	---	PASS

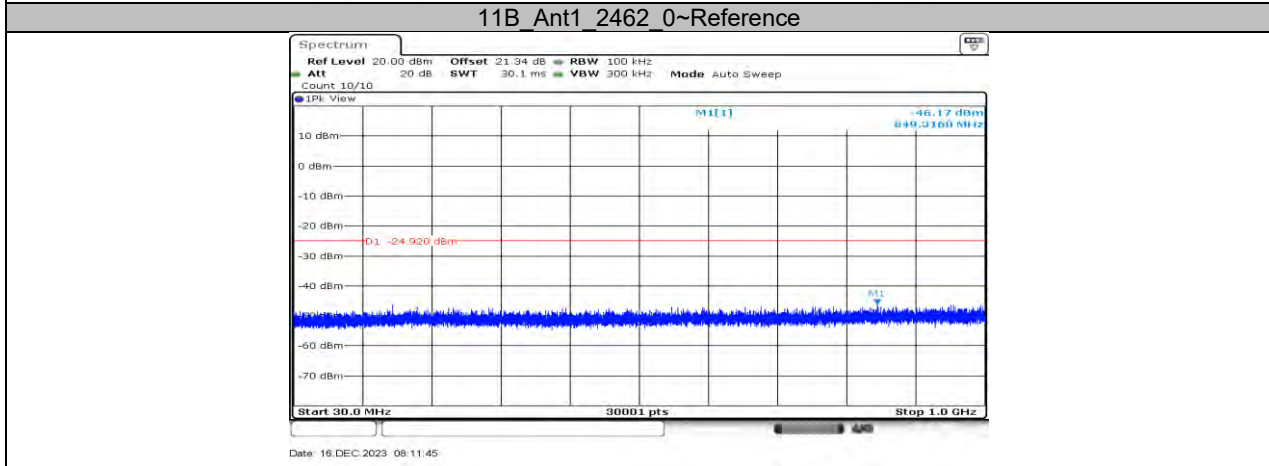
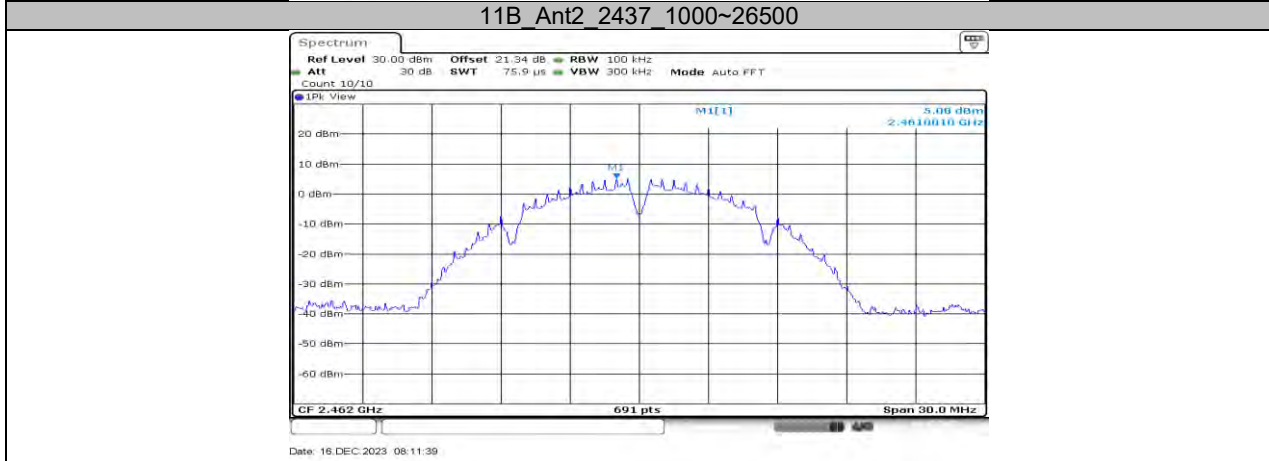
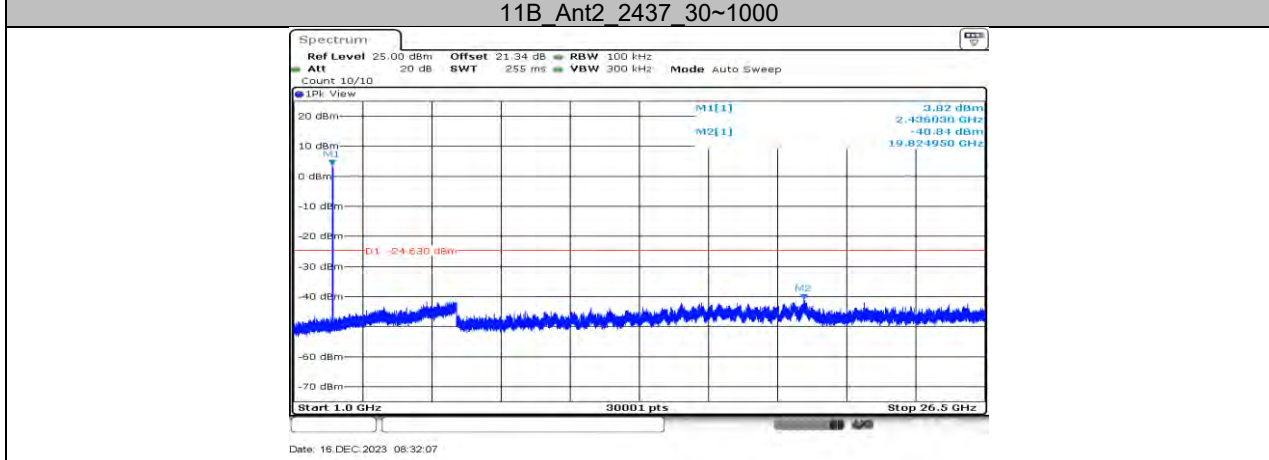
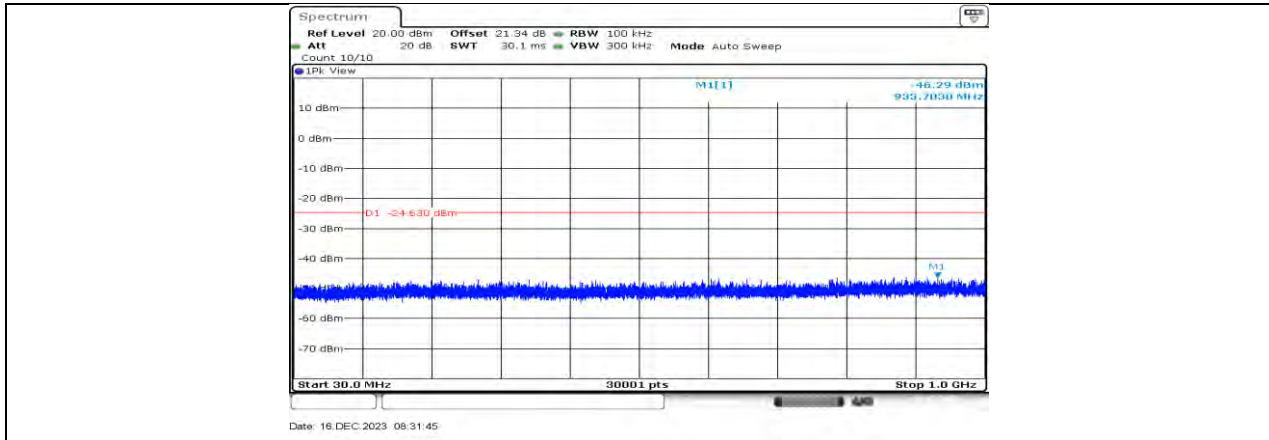
	Ant1	2437	30~1000	-45.71	≤-31.6	PASS	
			1000~26500	-40.92	≤-31.6	PASS	
			Reference	0.40	---	PASS	
			30~1000	-45.42	≤-29.6	PASS	
			1000~26500	-41.08	≤-29.6	PASS	
			Reference	0.06	---	PASS	
	Ant2	2437	30~1000	-46.16	≤-29.94	PASS	
			1000~26500	-40.91	≤-29.94	PASS	
			Reference	0.22	---	PASS	
	Ant1	2452	30~1000	-45.9	≤-29.78	PASS	
			1000~26500	-40.81	≤-29.78	PASS	
			Reference	-0.27	---	PASS	
Ant2	2452	30~1000	-46.53	≤-30.27	PASS		
		1000~26500	-41.16	≤-30.27	PASS		
		Reference	2.19	---	PASS		
11AX20MIMO	Ant1	2412	30~1000	-46.12	≤-27.81	PASS	
			1000~26500	-41.05	≤-27.81	PASS	
			Reference	-0.16	---	PASS	
	Ant2	2412	30~1000	-45.73	≤-30.16	PASS	
			1000~26500	-41.65	≤-30.16	PASS	
			Reference	-0.68	---	PASS	
	Ant1	2437	30~1000	-45.9	≤-30.68	PASS	
			1000~26500	-40.41	≤-30.68	PASS	
			Reference	-0.92	---	PASS	
	Ant2	2437	30~1000	-45.72	≤-30.92	PASS	
			1000~26500	-40.82	≤-30.92	PASS	
			Reference	0.41	---	PASS	
	Ant1	2462	30~1000	-46.29	≤-29.59	PASS	
			1000~26500	-40.29	≤-29.59	PASS	
			Reference	0.12	---	PASS	
	Ant2	2462	30~1000	-46.34	≤-29.88	PASS	
			1000~26500	-41.12	≤-29.88	PASS	
			Reference	-3.52	---	PASS	
	11AX40MIMO	Ant1	2422	30~1000	-46.05	≤-33.52	PASS
				1000~26500	-40.75	≤-33.52	PASS
				Reference	-3.73	---	PASS
		Ant2	2422	30~1000	-46.27	≤-33.73	PASS
				1000~26500	-41.18	≤-33.73	PASS
				Reference	-2.93	---	PASS
Ant1		2437	30~1000	-45.67	≤-32.93	PASS	
			1000~26500	-40.96	≤-32.93	PASS	
			Reference	-2.84	---	PASS	
Ant2		2437	30~1000	-46.09	≤-32.84	PASS	
			1000~26500	-40.79	≤-32.84	PASS	
			Reference	-2.88	---	PASS	
Ant1		2452	30~1000	-46.34	≤-32.88	PASS	
			1000~26500	-40.18	≤-32.88	PASS	
			Reference	-2.84	---	PASS	
Ant2		2452	30~1000	-46.01	≤-32.84	PASS	
			1000~26500	-40.78	≤-32.84	PASS	
			Reference				

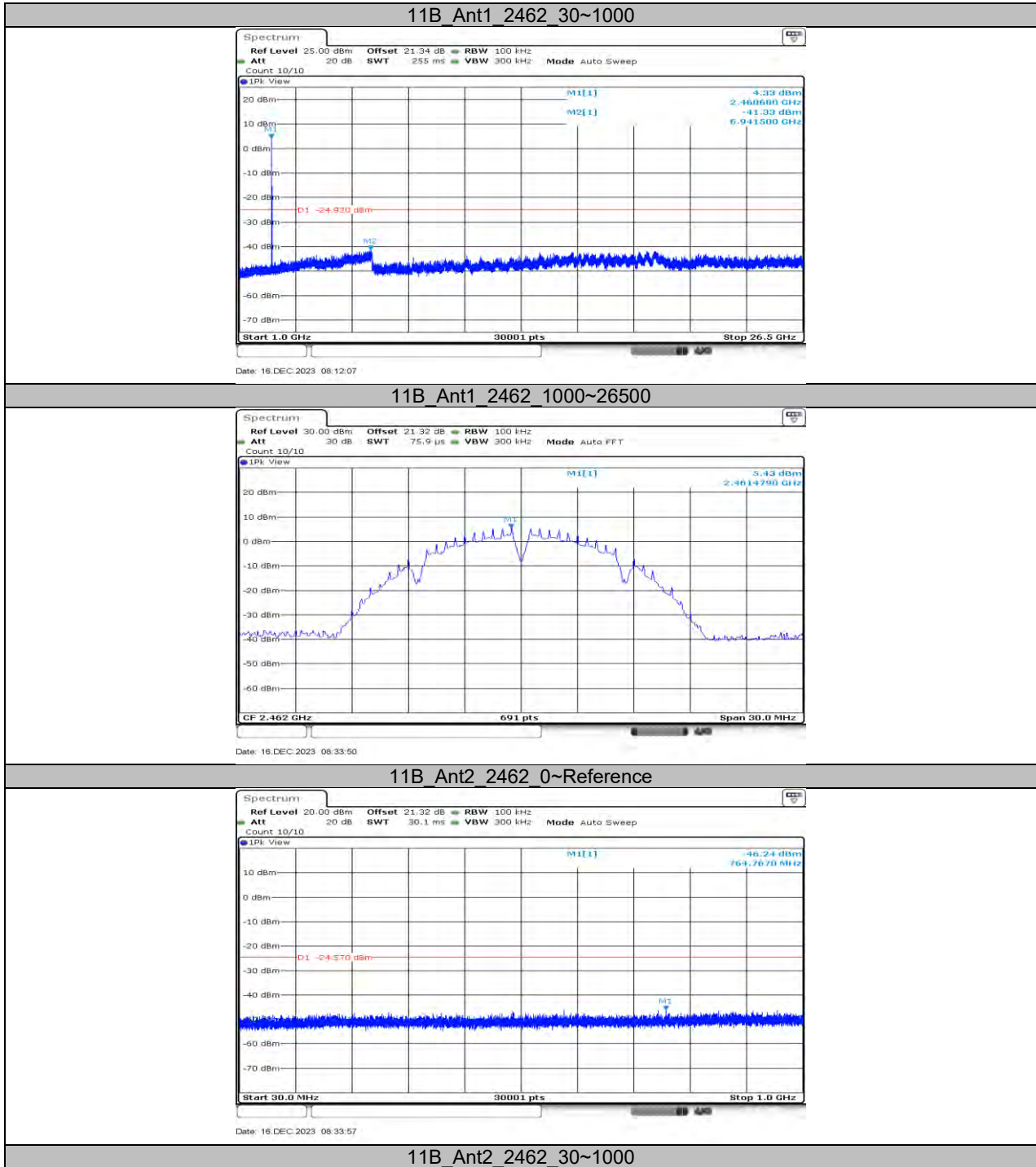
11.6.2. Test Graphs

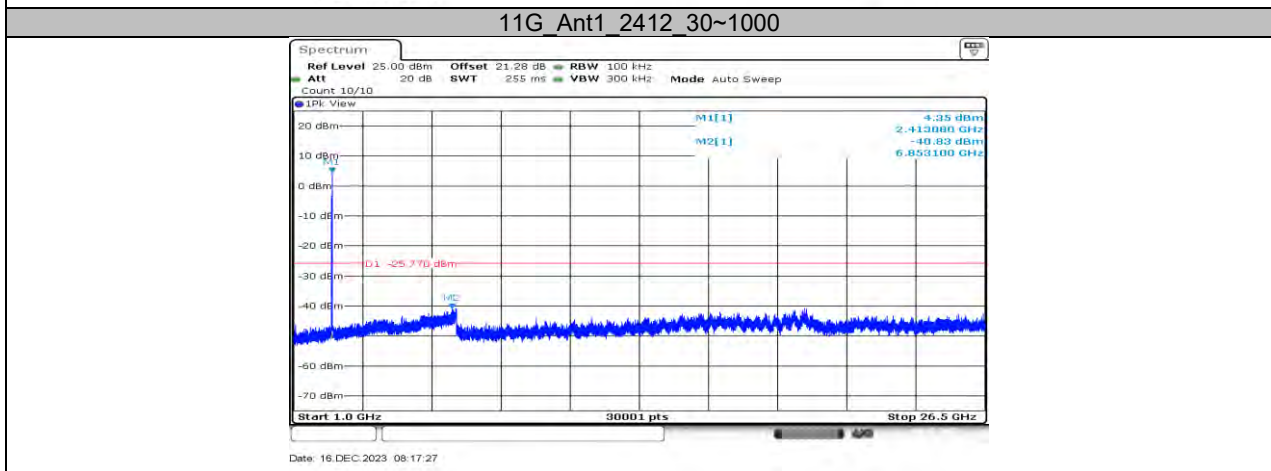
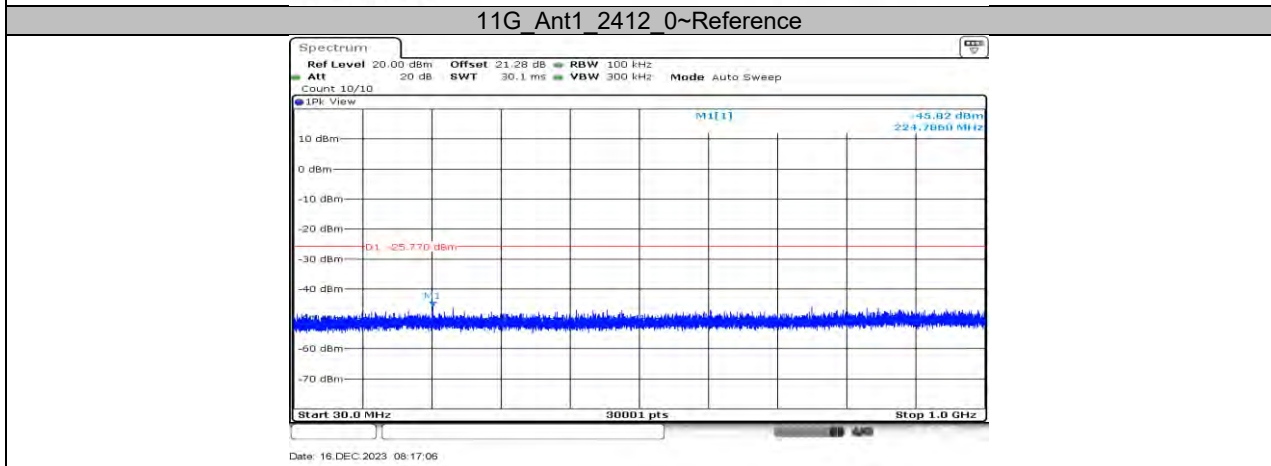
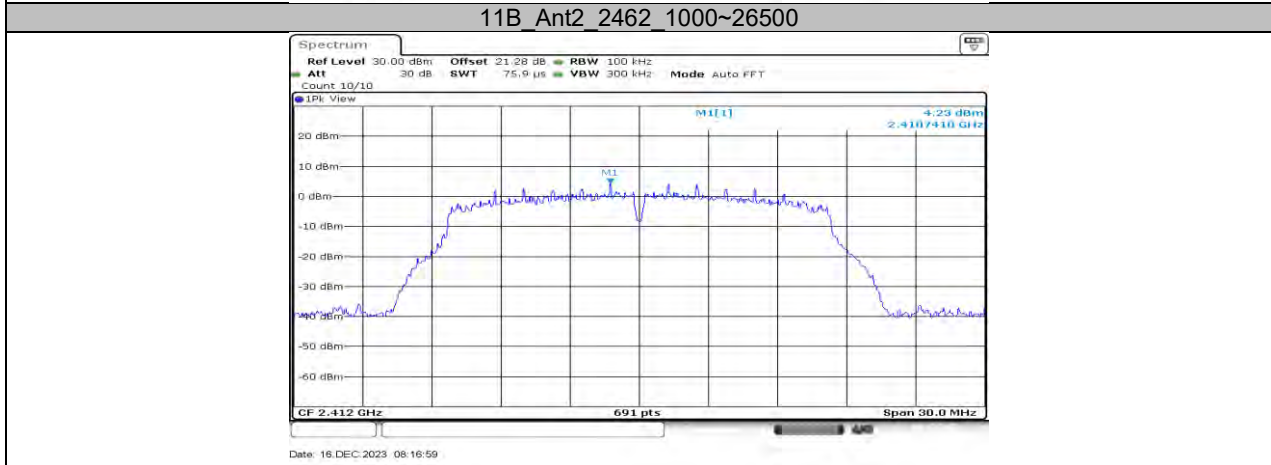
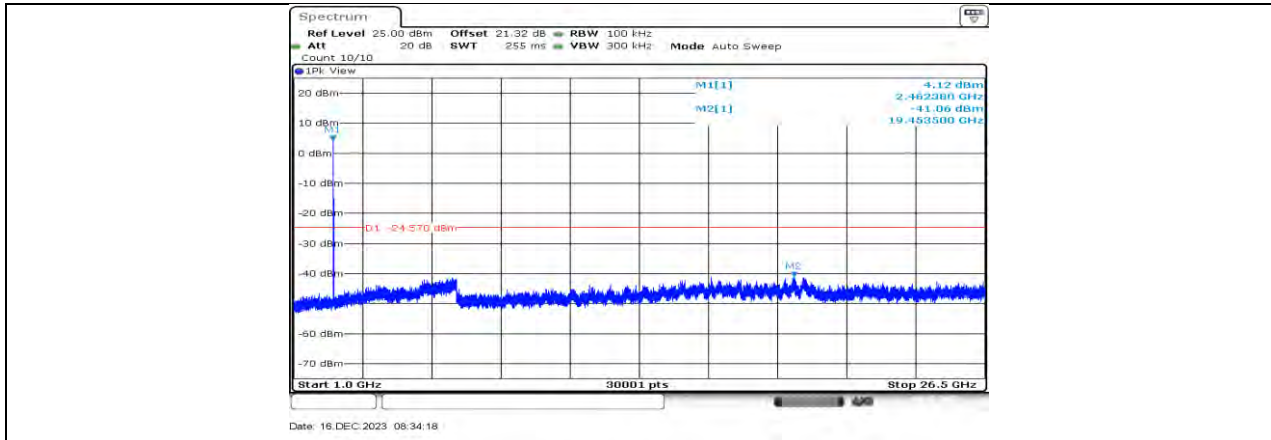


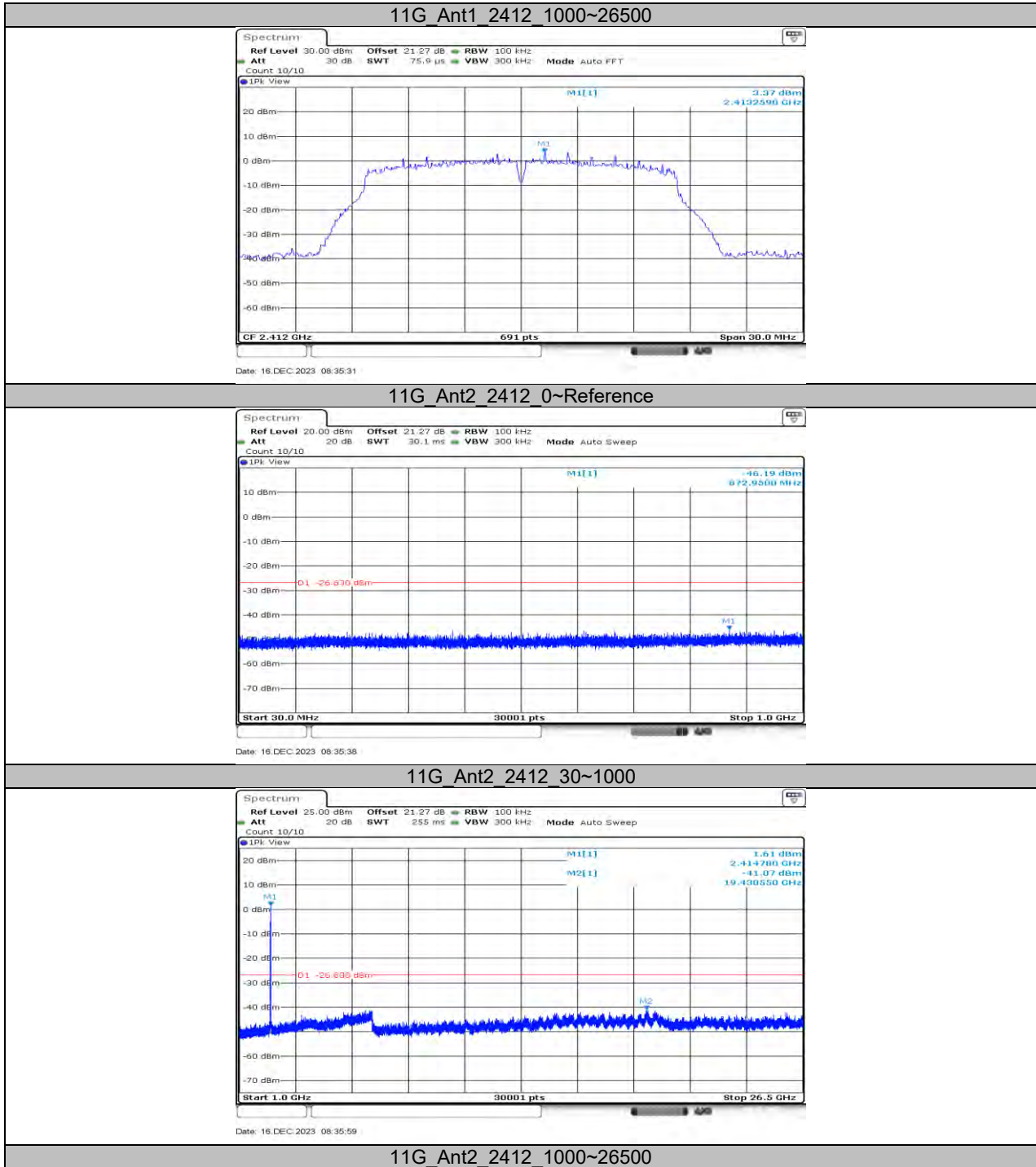


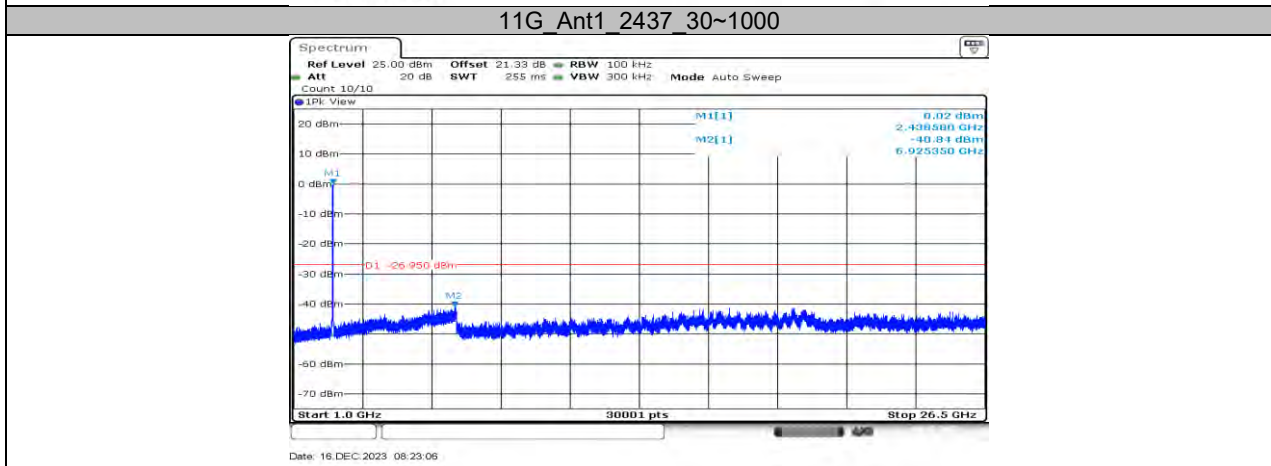
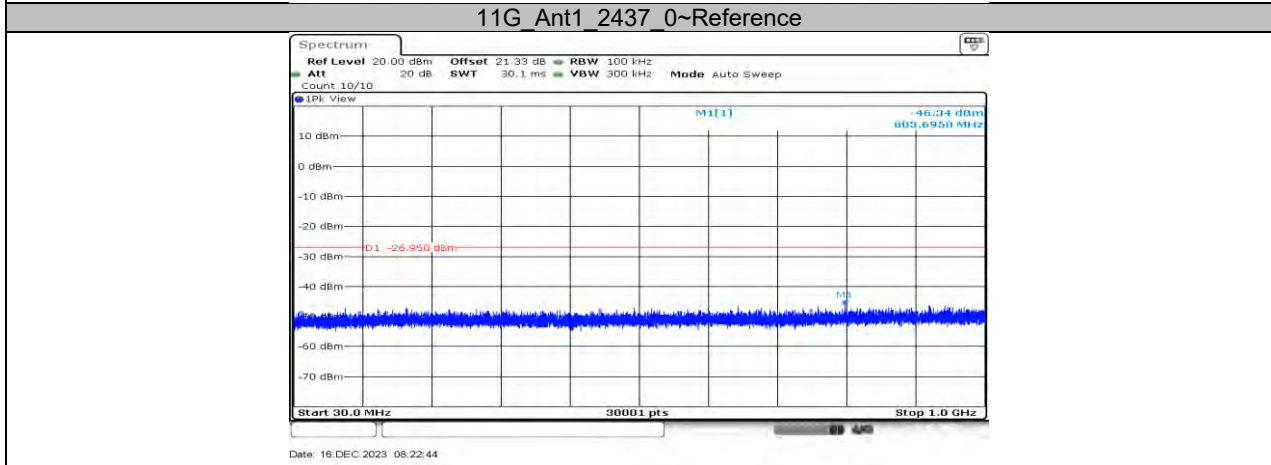
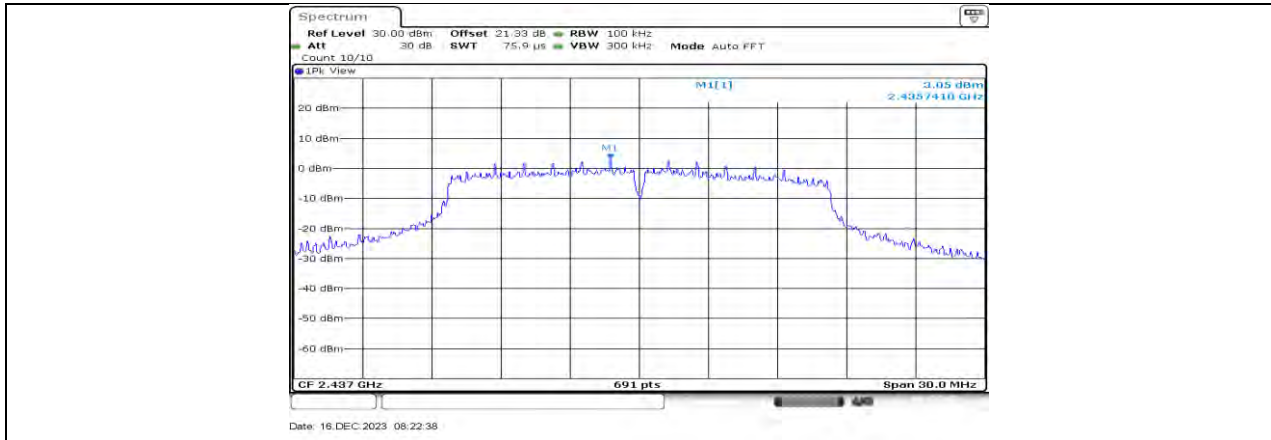


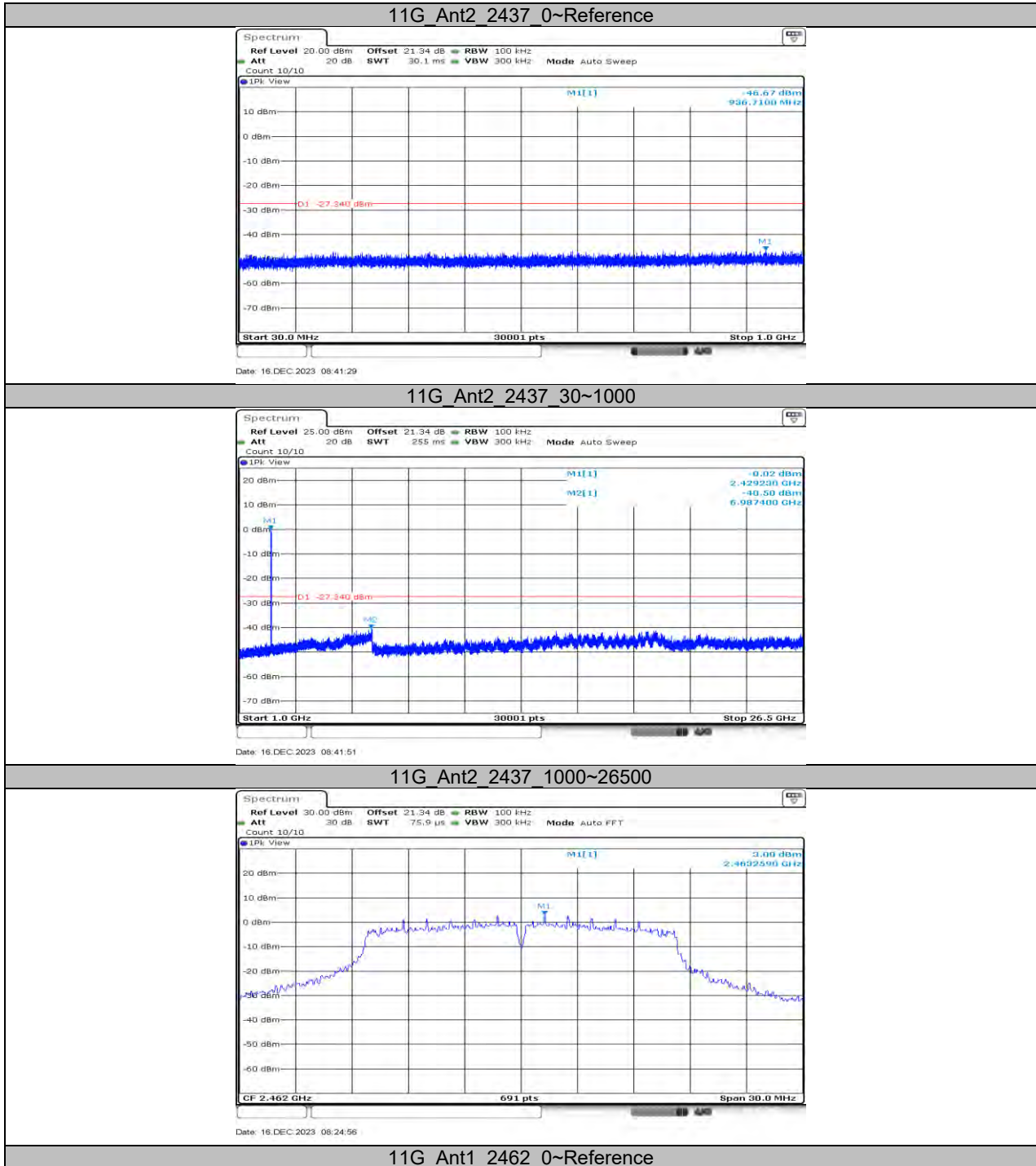


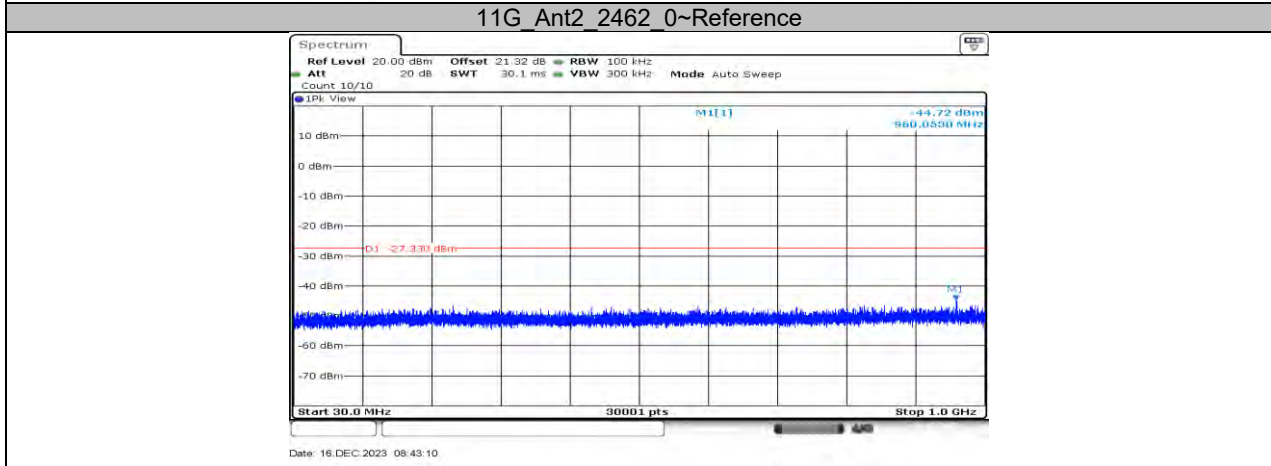
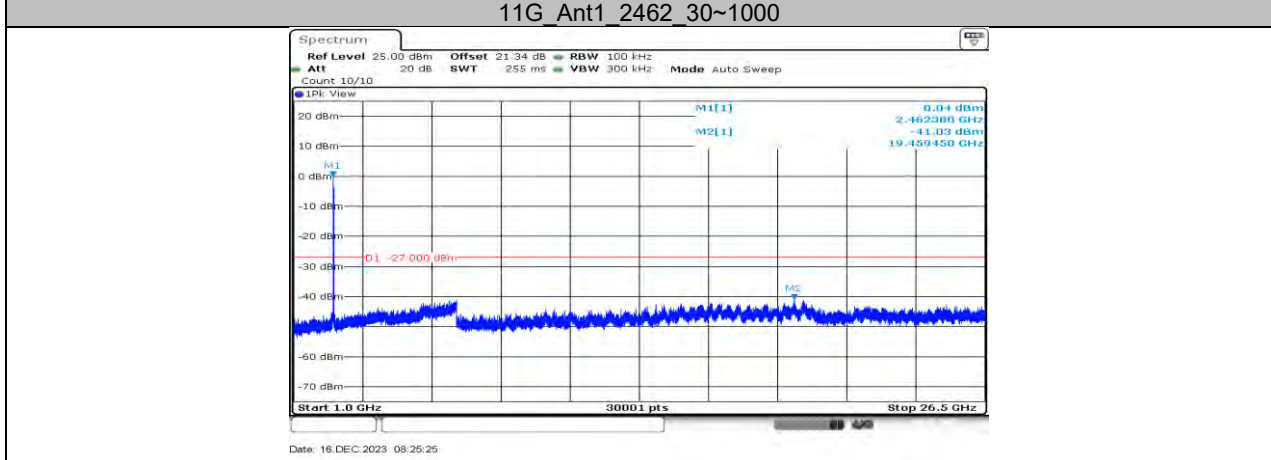
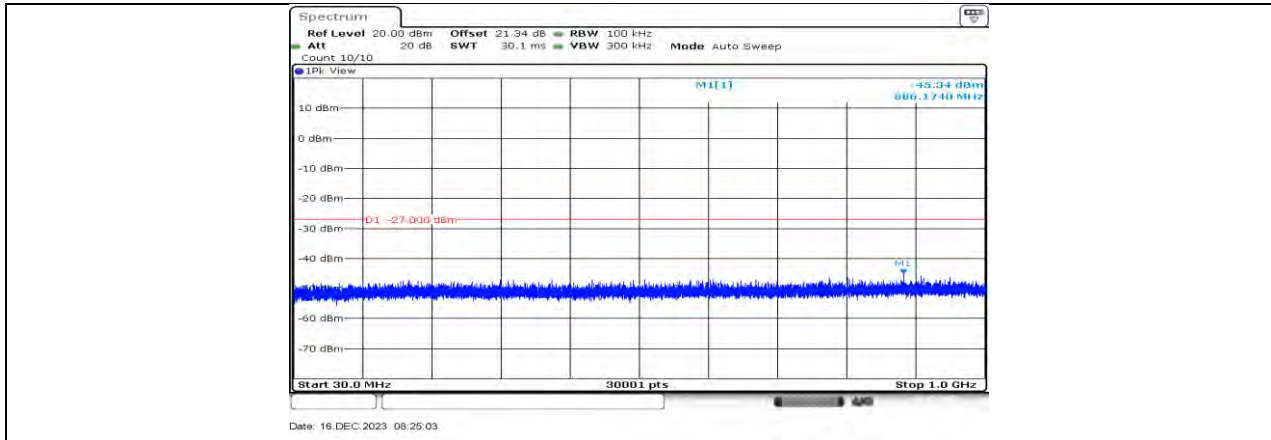


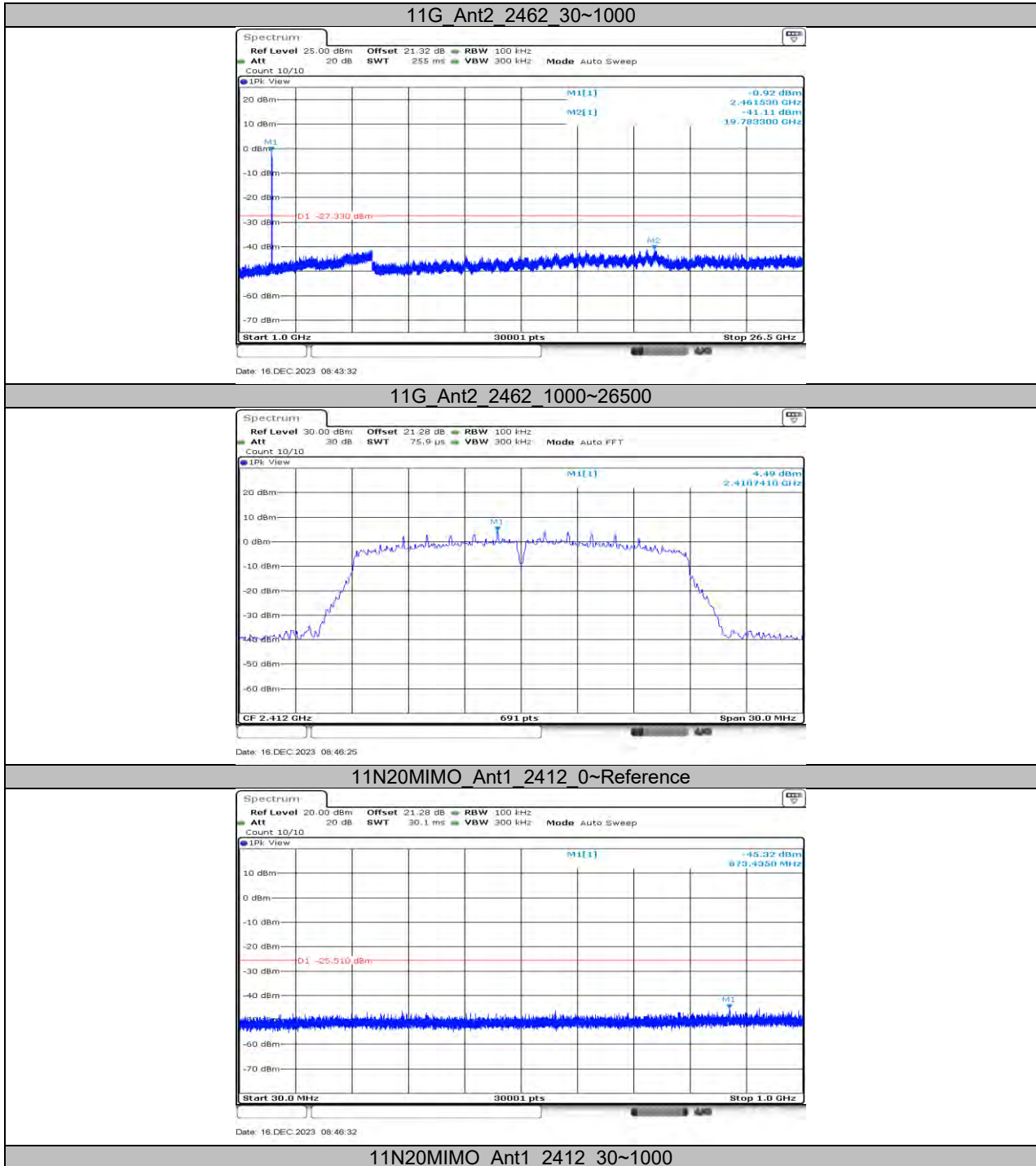


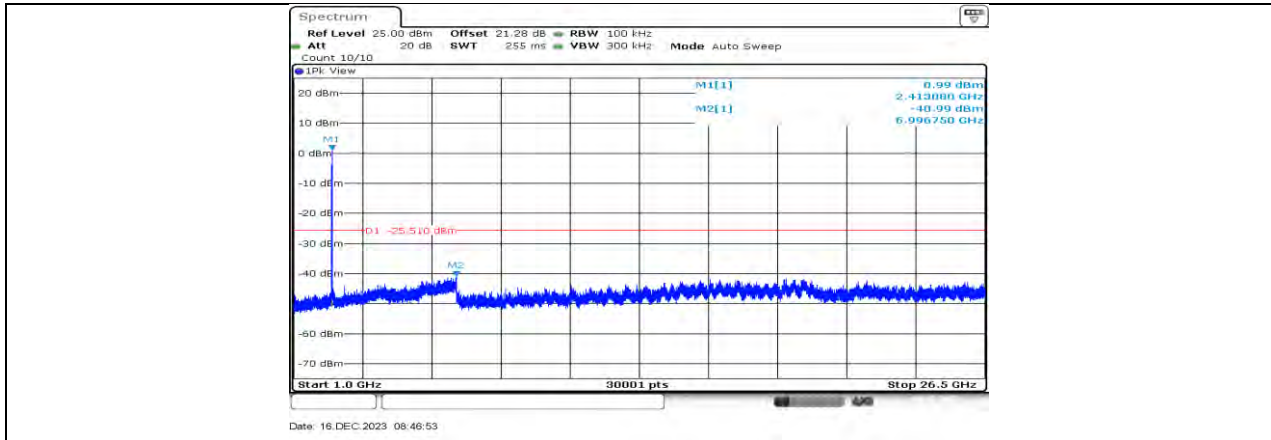




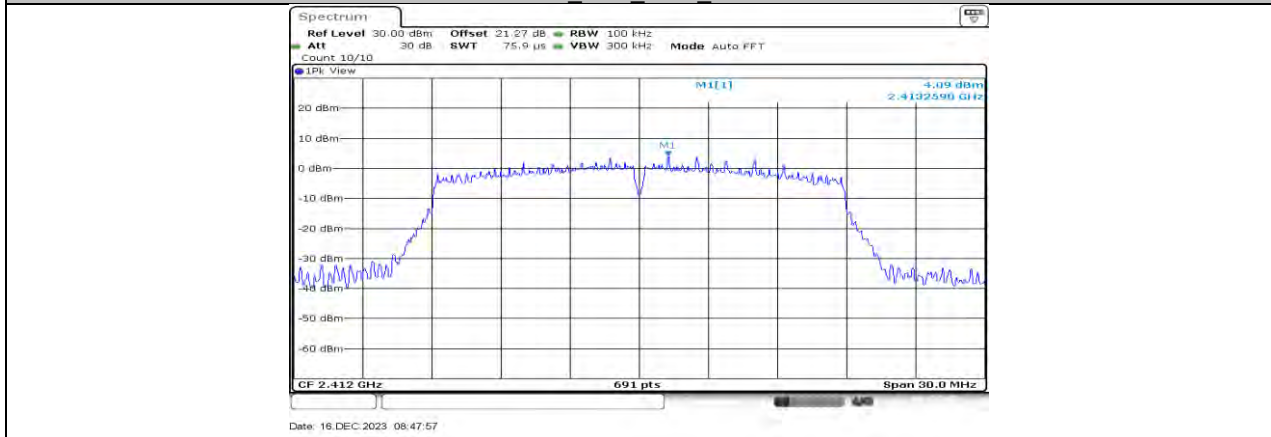




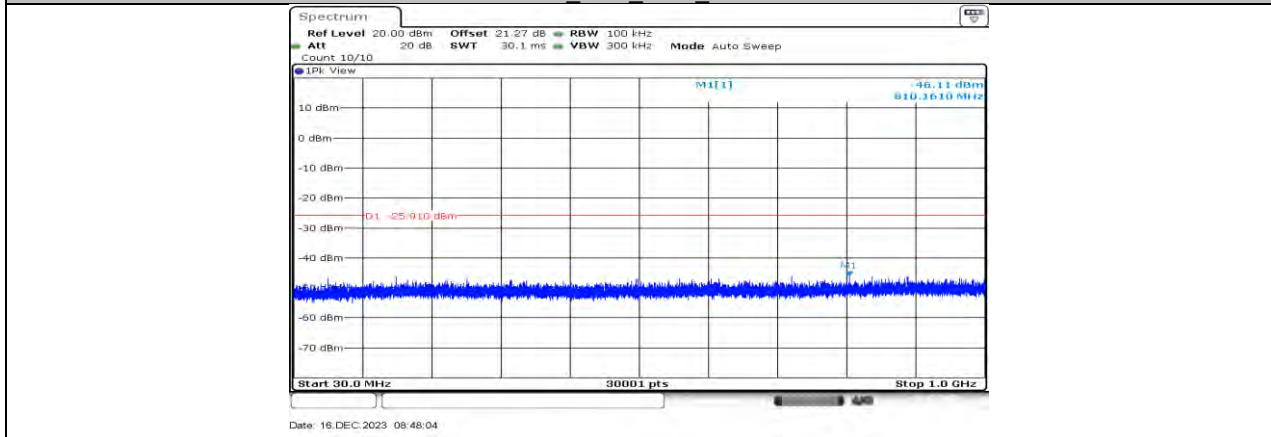




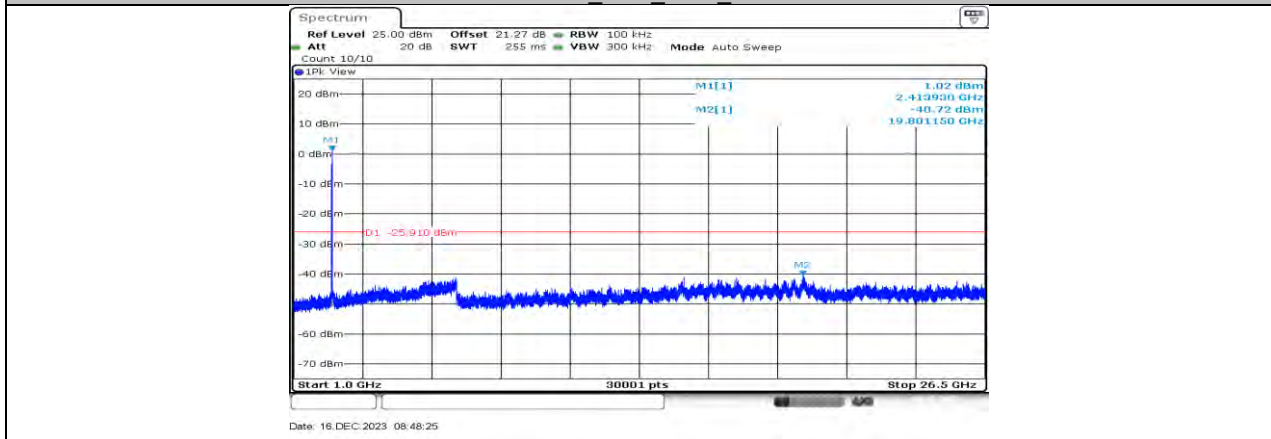
11N20MIMO Ant1 2412 1000~26500

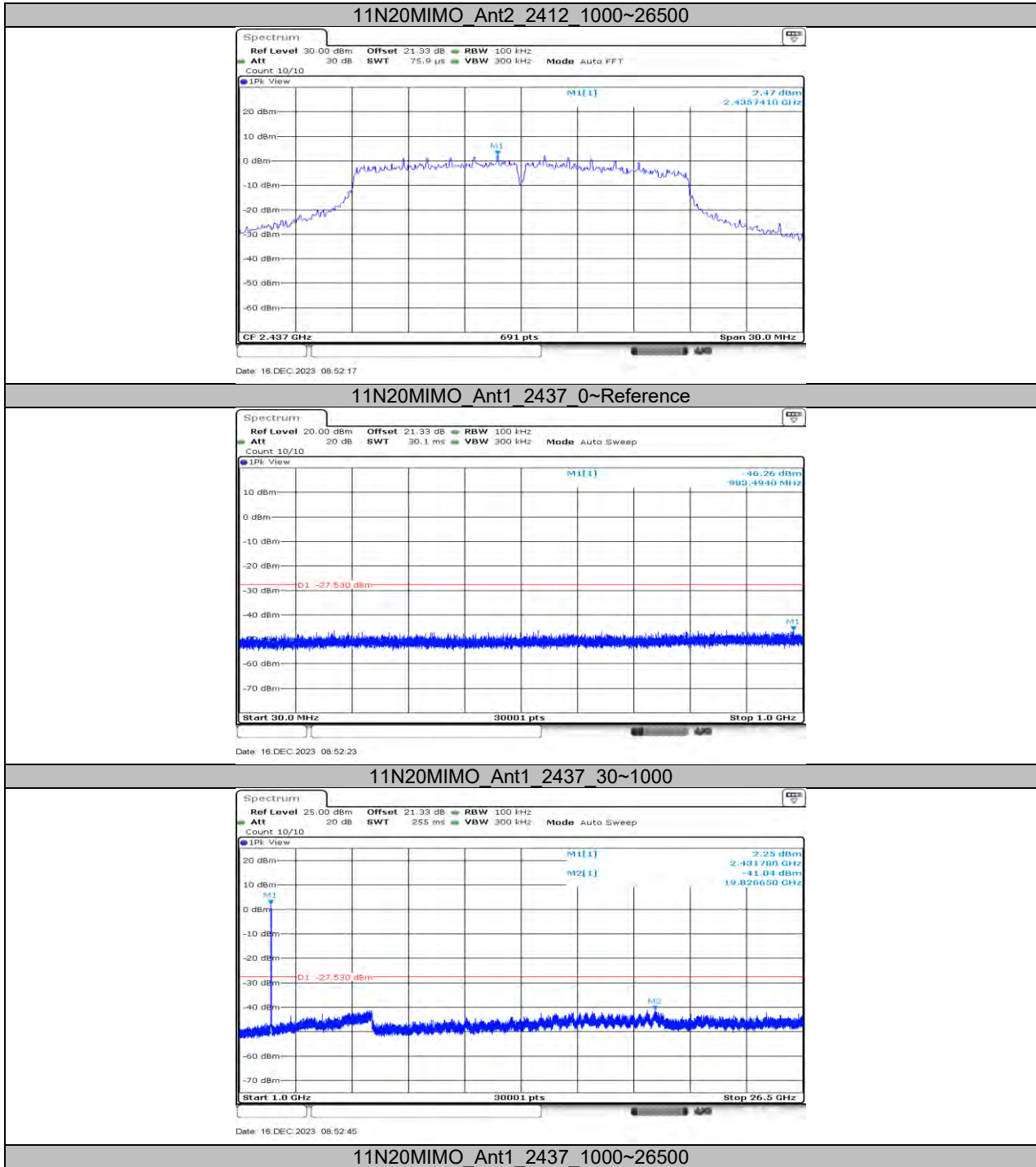


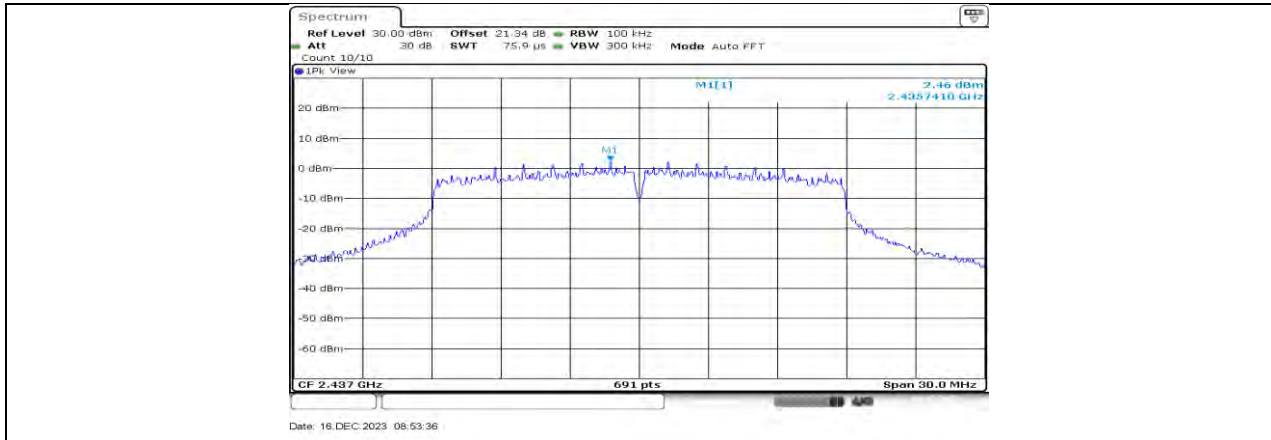
11N20MIMO Ant2 2412 0~Reference



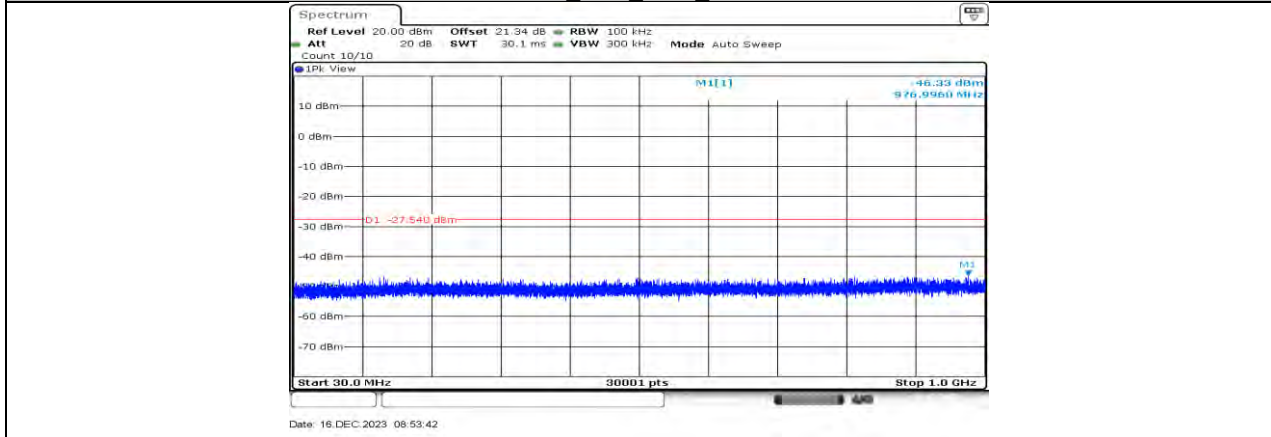
11N20MIMO Ant2 2412 30~1000



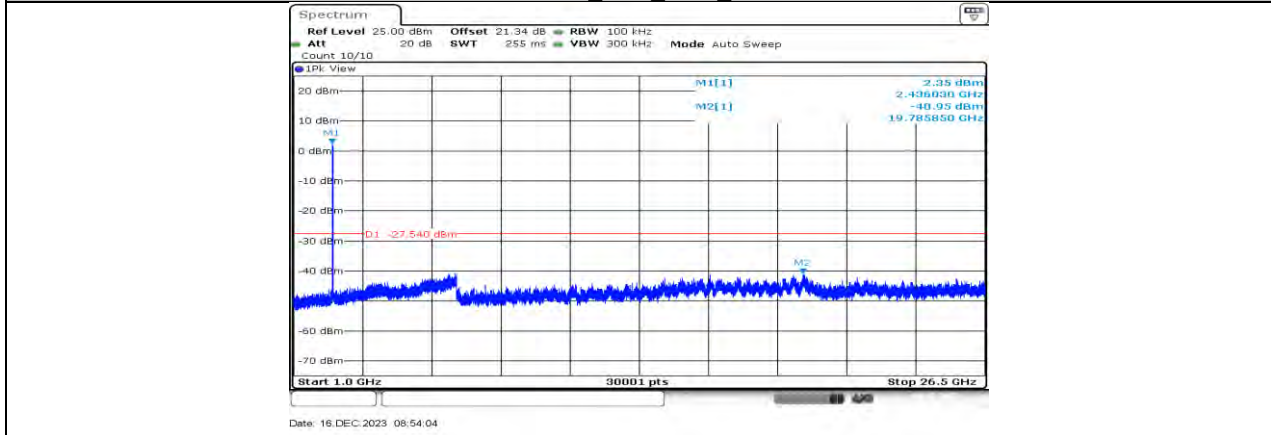




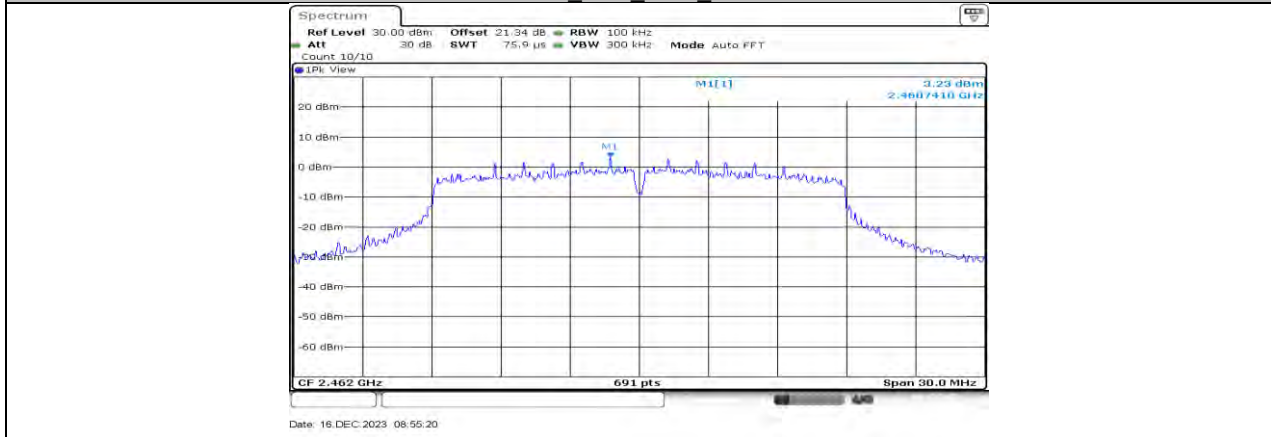
11N20MIMO Ant2 2437 0~Reference

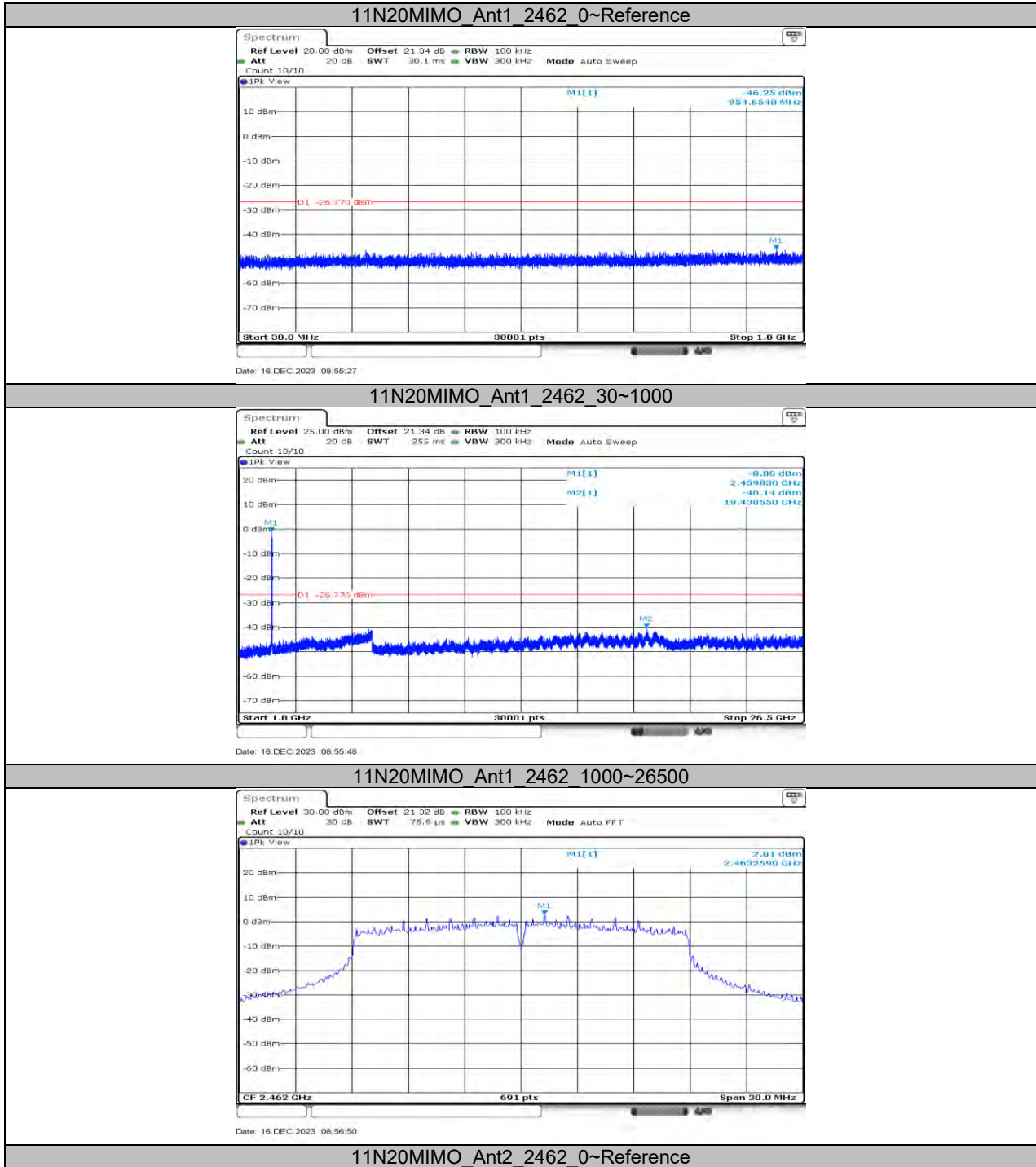


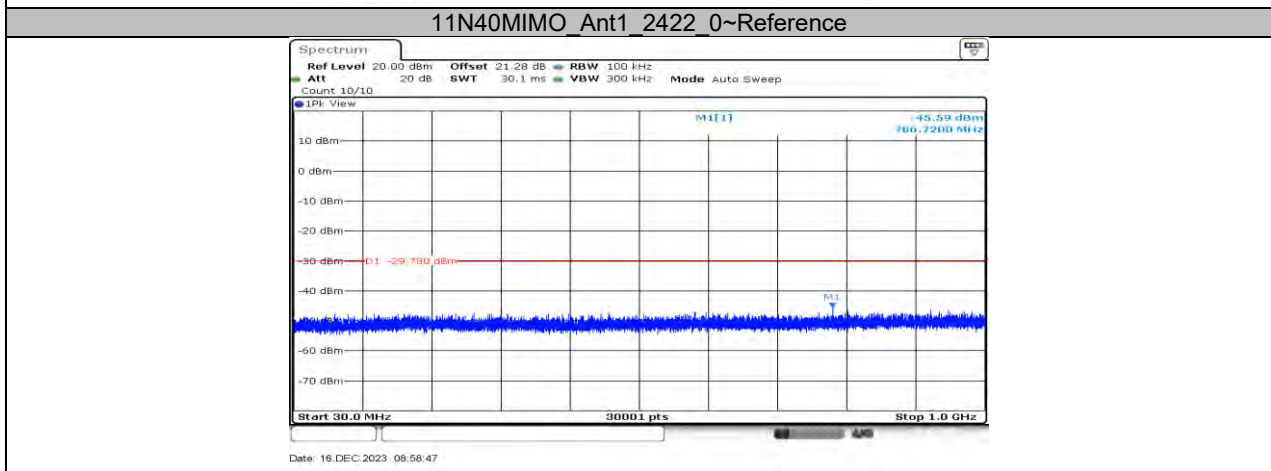
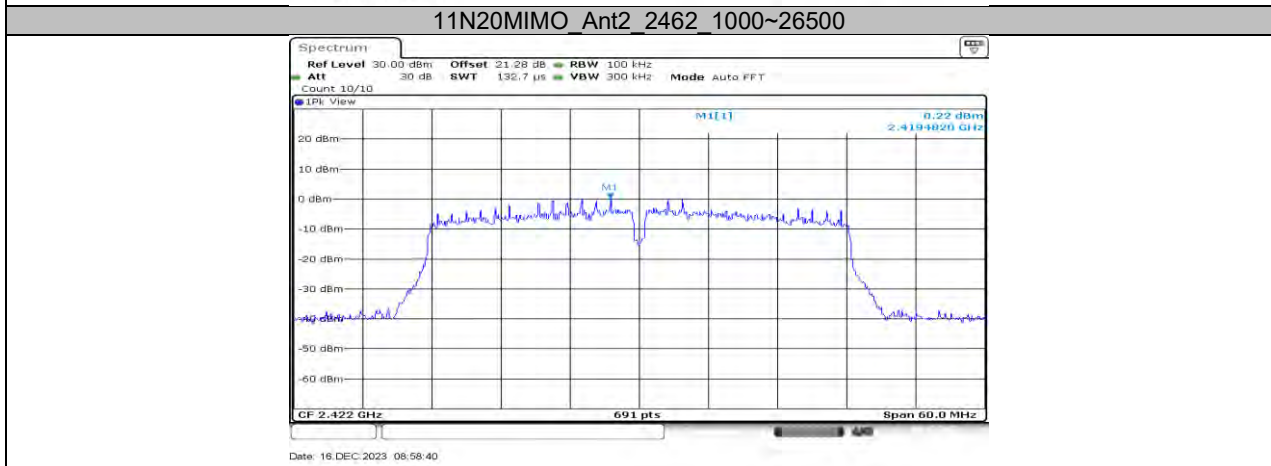
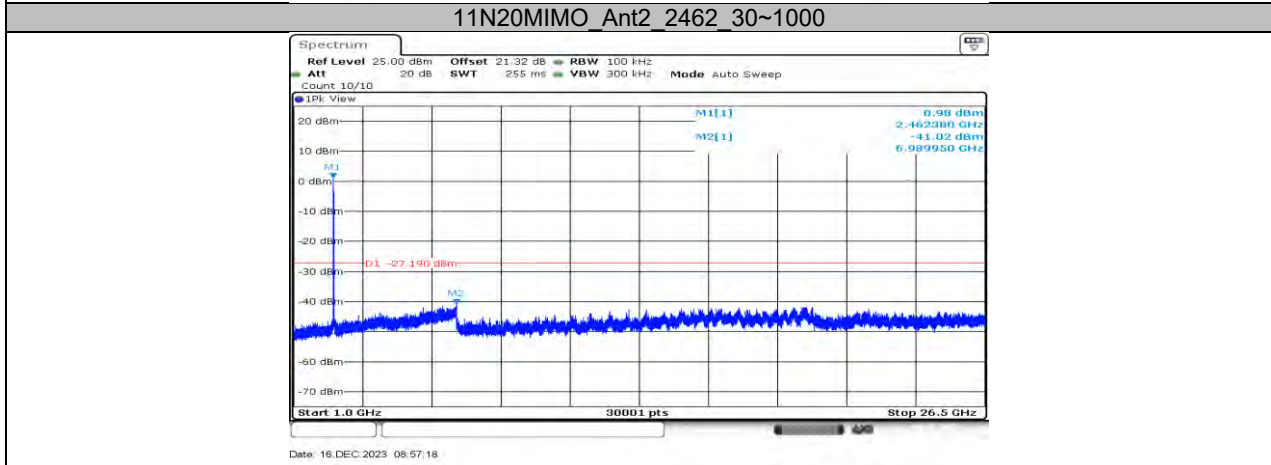
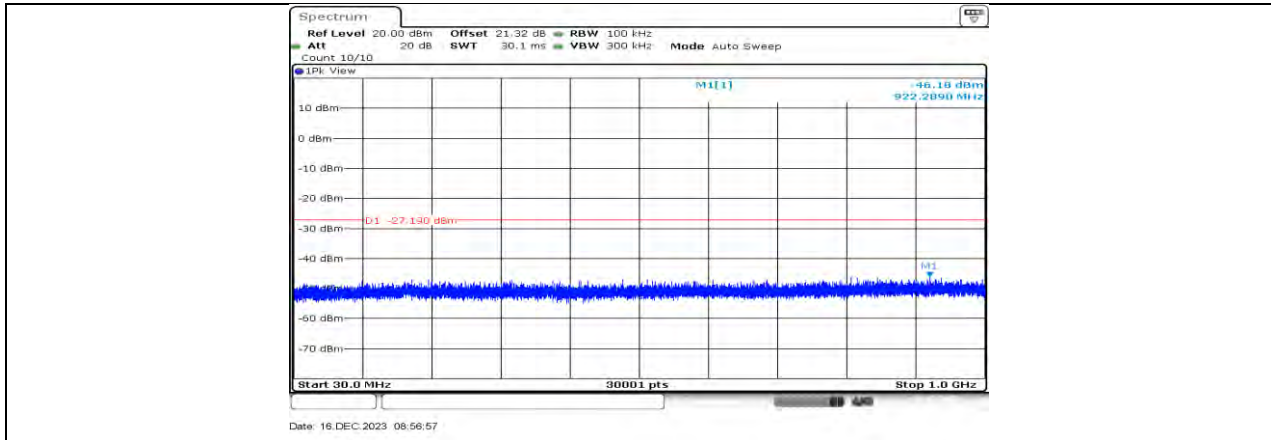
11N20MIMO Ant2 2437 30~1000

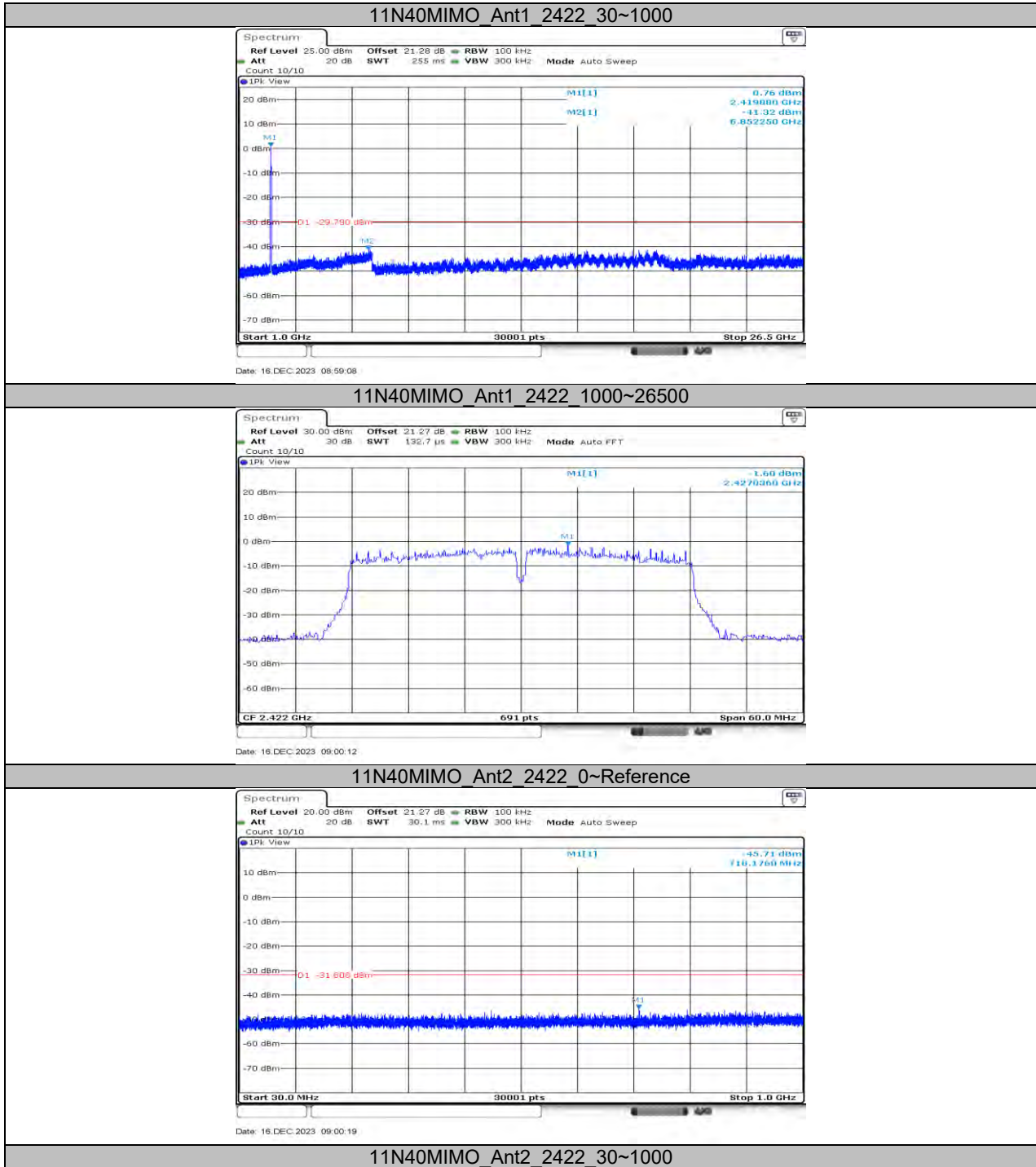


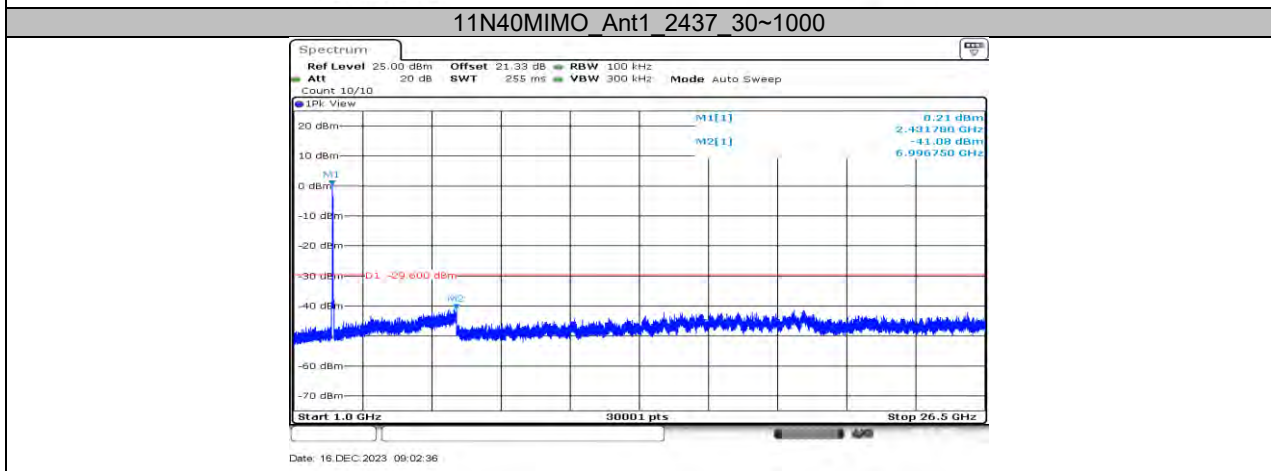
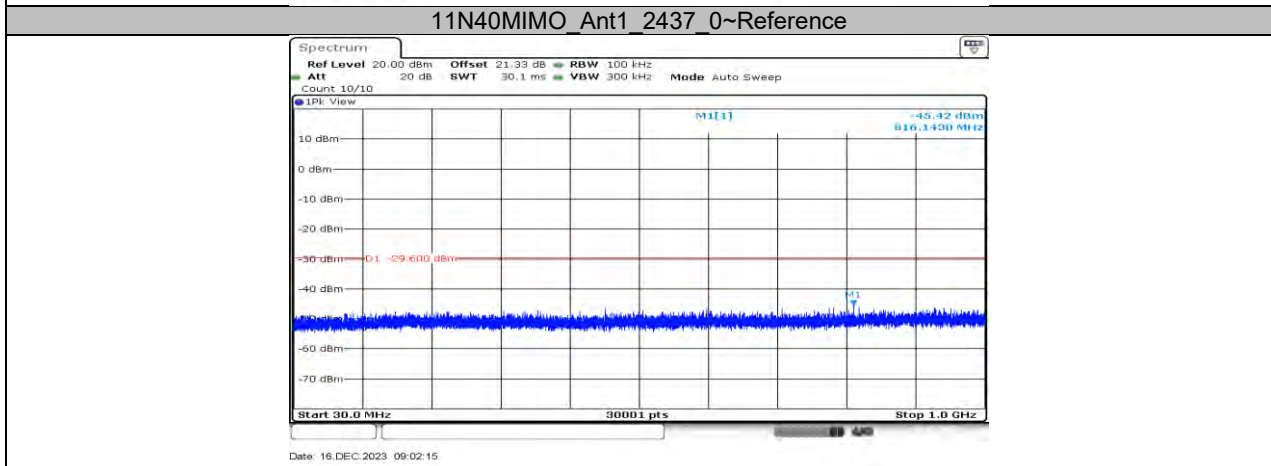
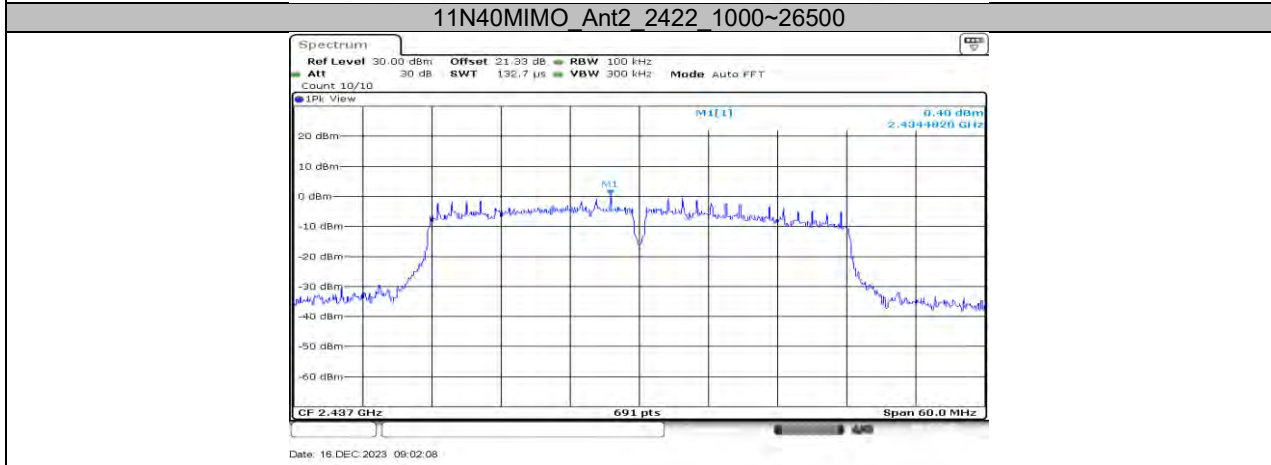
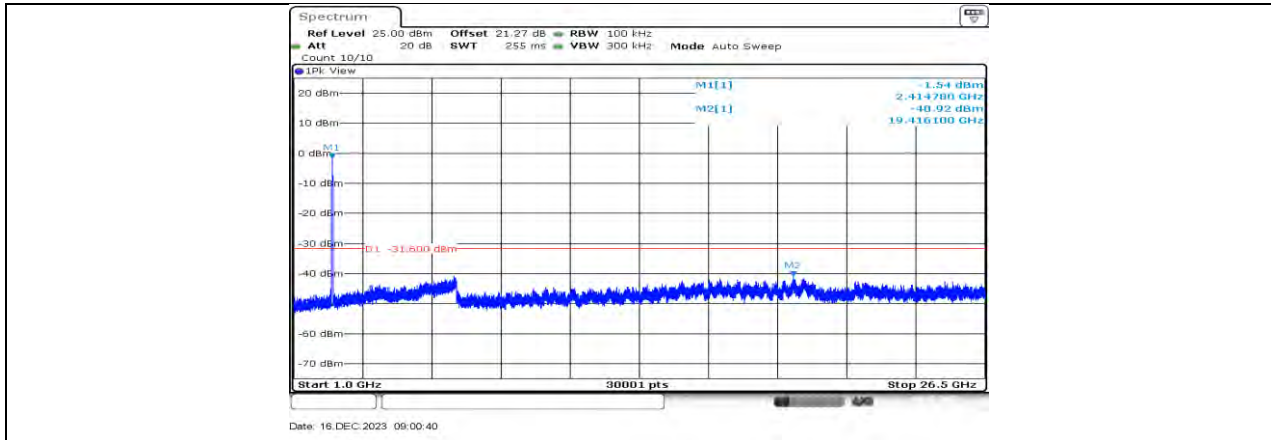
11N20MIMO Ant2 2437 1000~26500

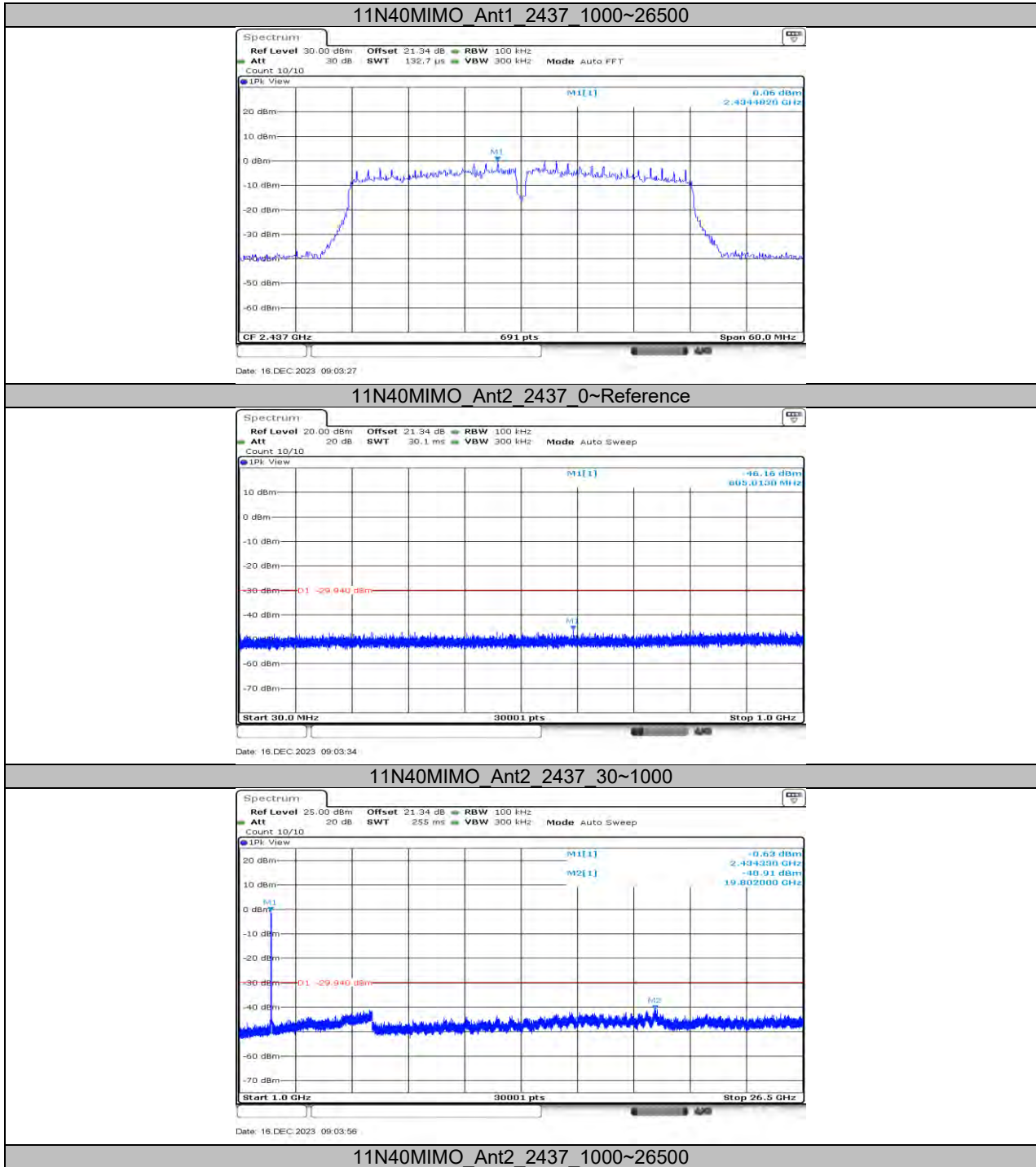


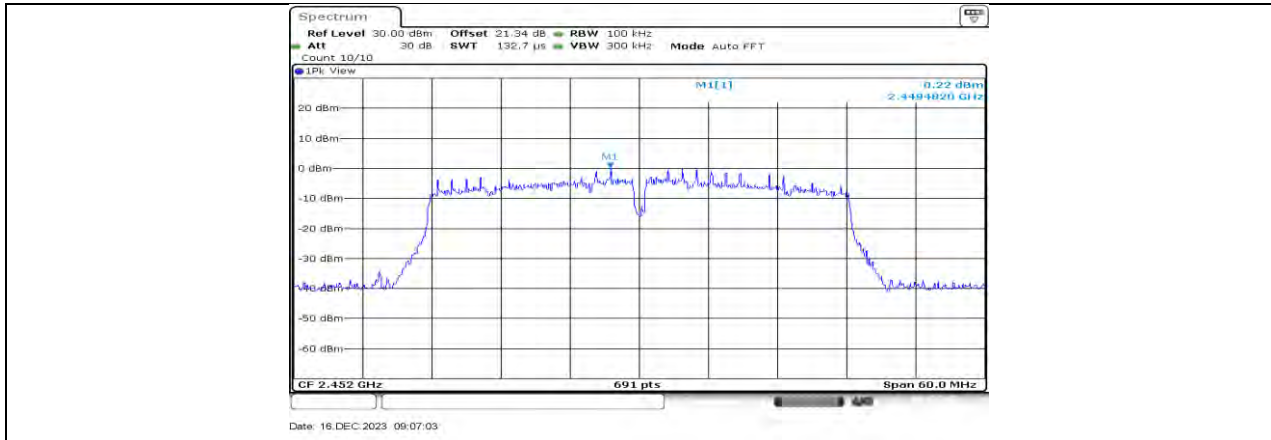




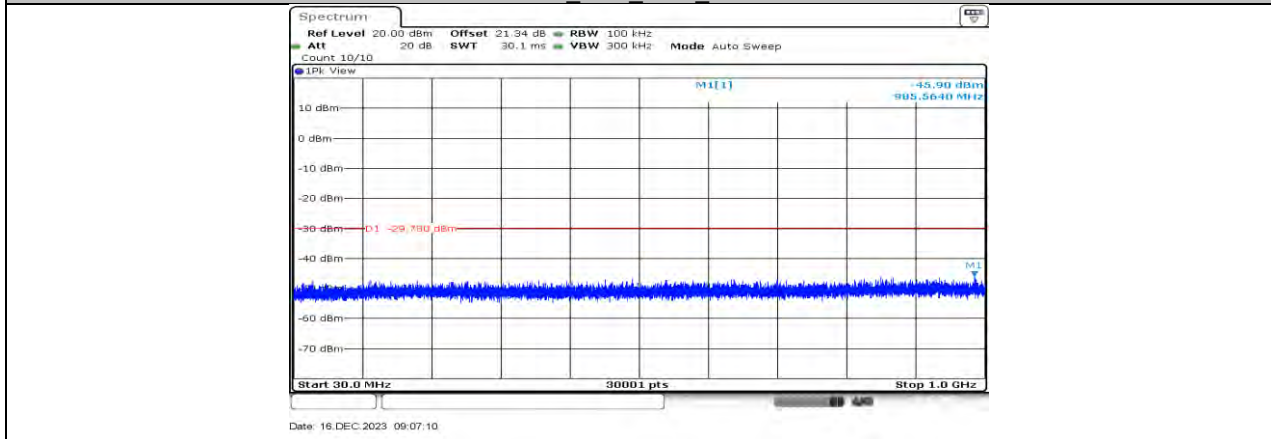




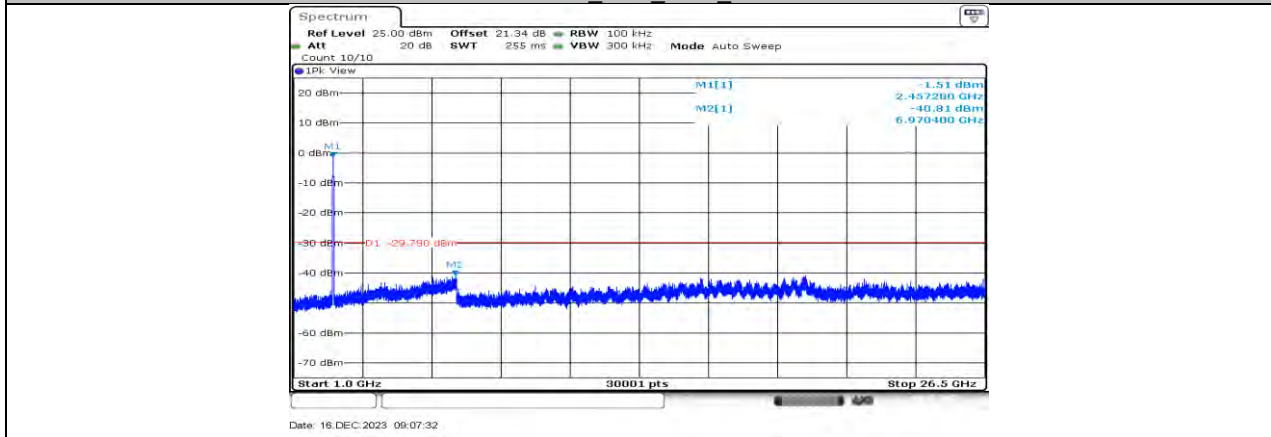




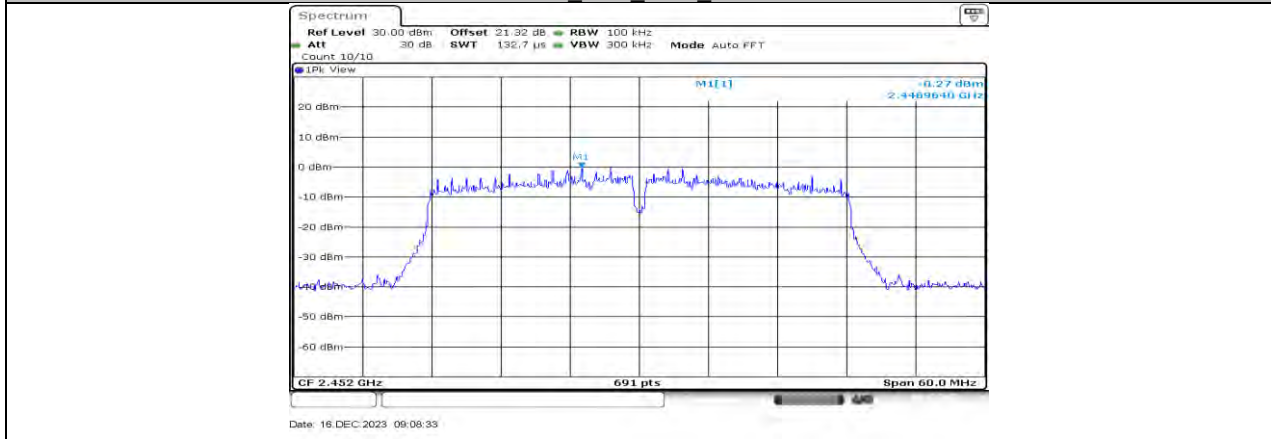
11N40MIMO Ant1 2452 0~Reference

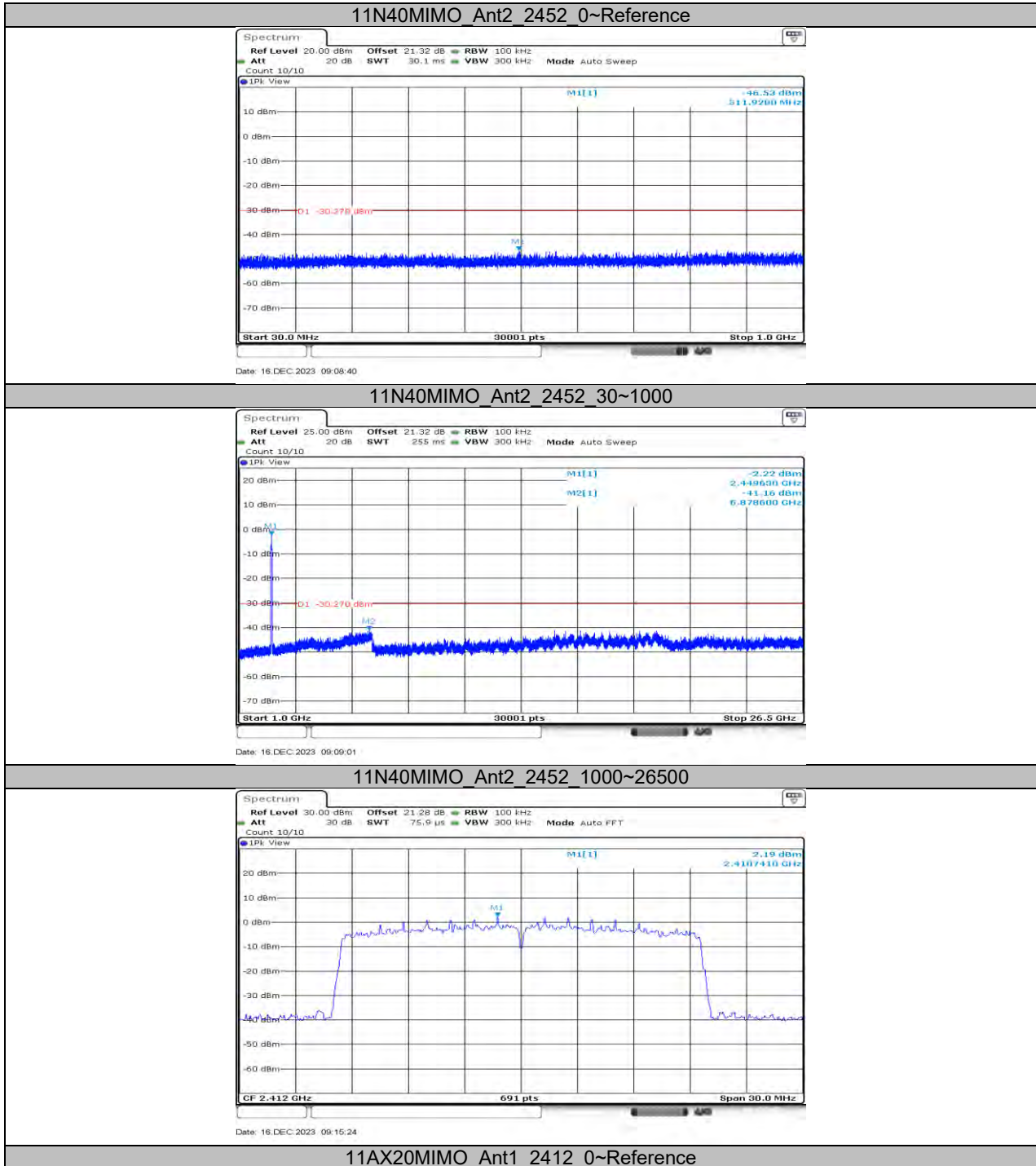


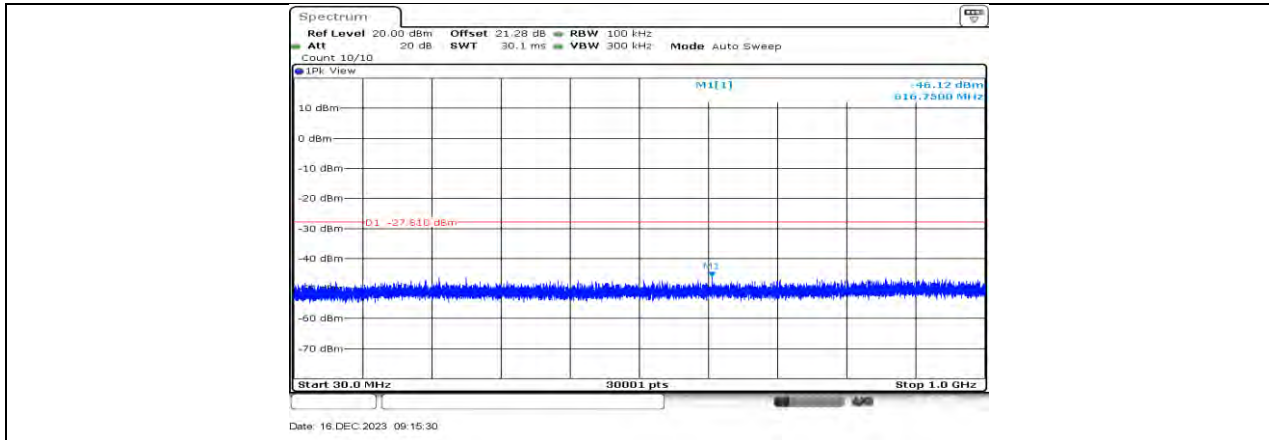
11N40MIMO Ant1 2452 30~1000



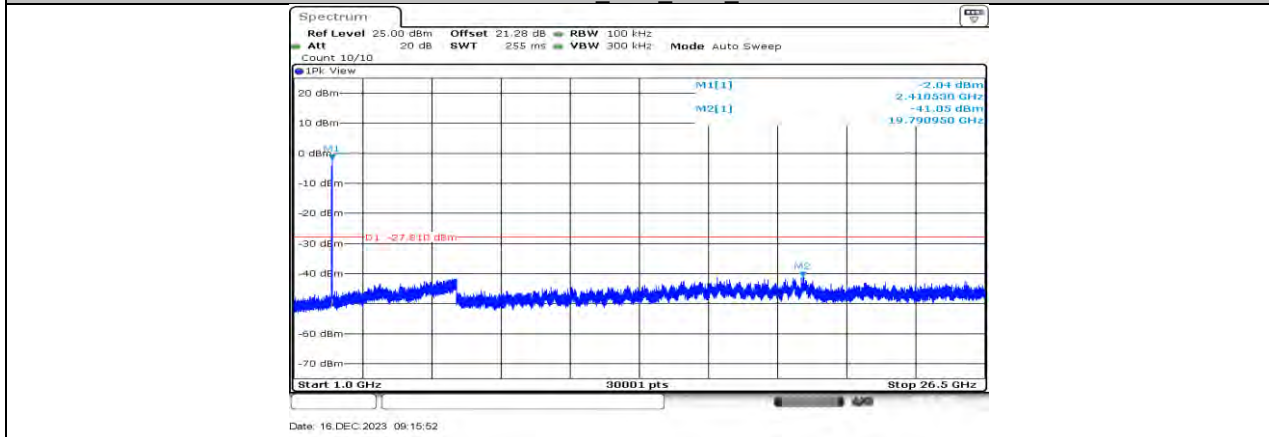
11N40MIMO Ant1 2452 1000~26500



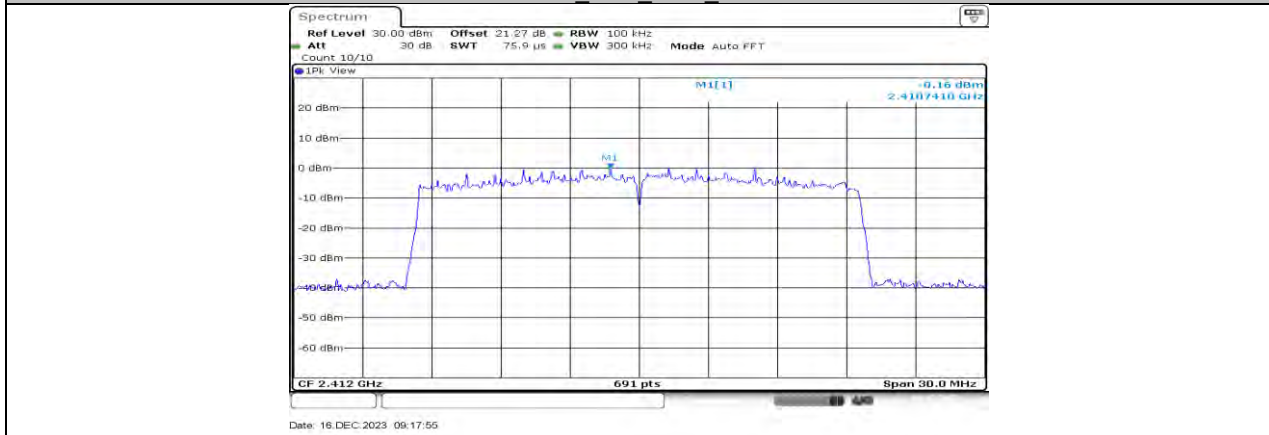




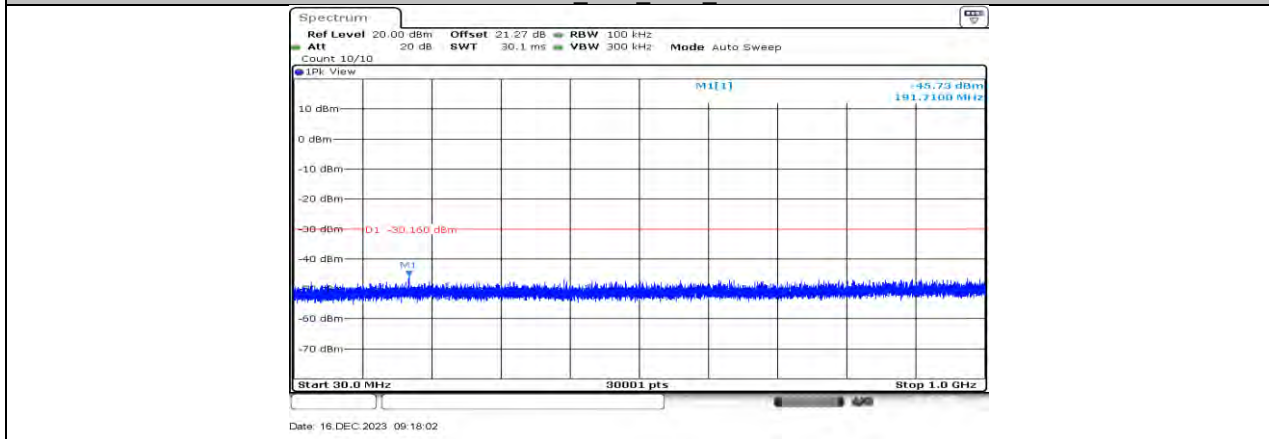
11AX20MIMO Ant1 2412 30~1000

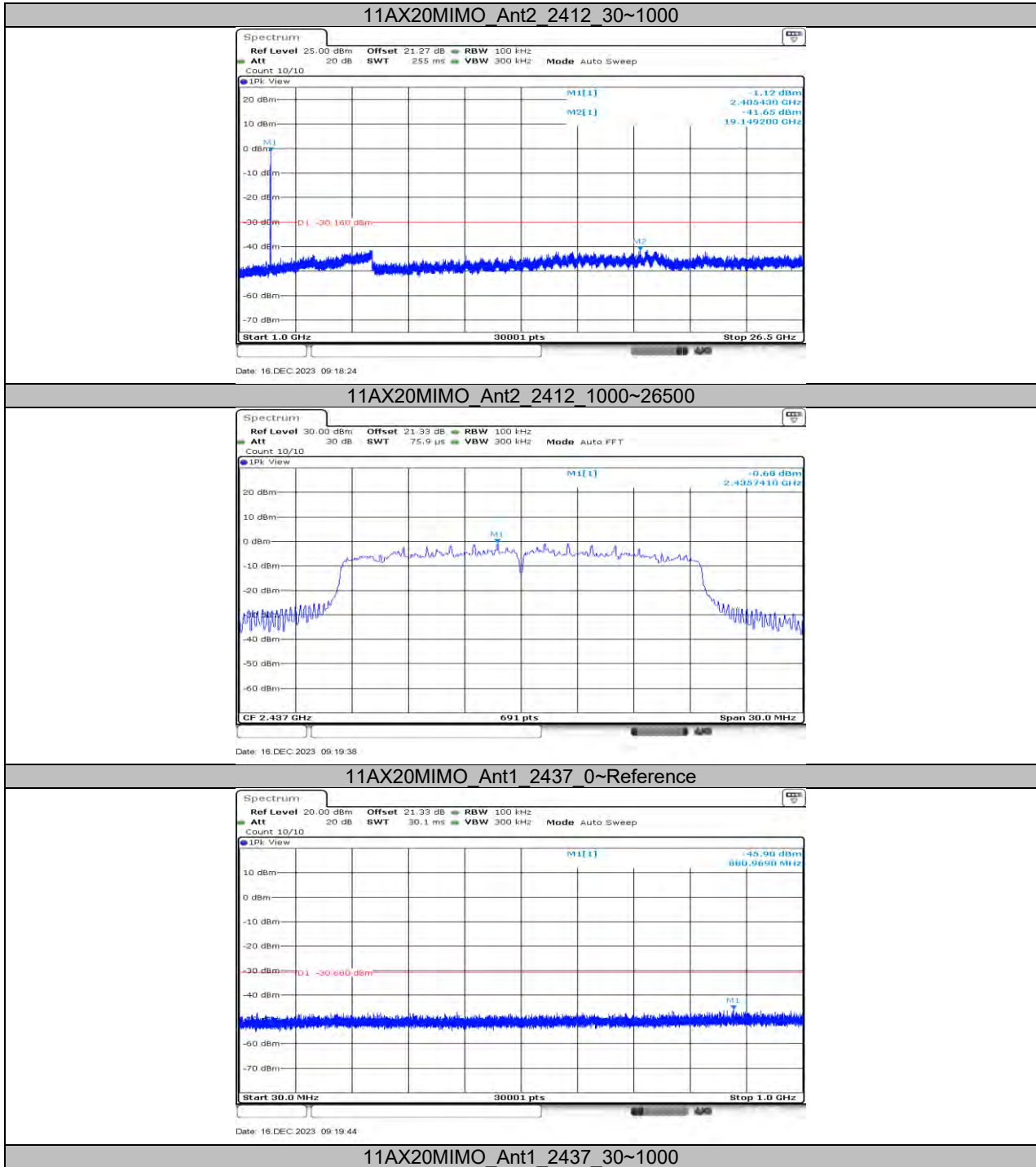


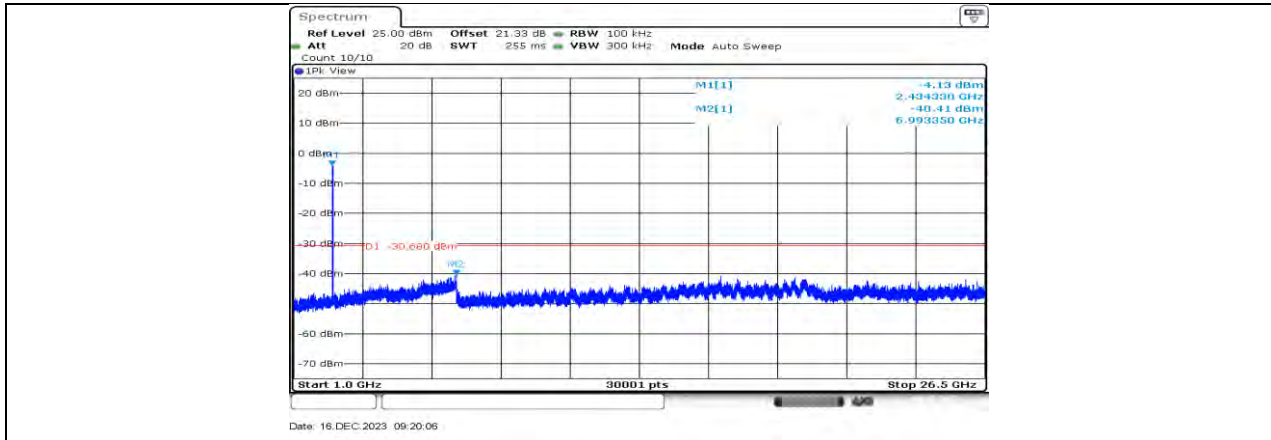
11AX20MIMO Ant1 2412 1000~26500



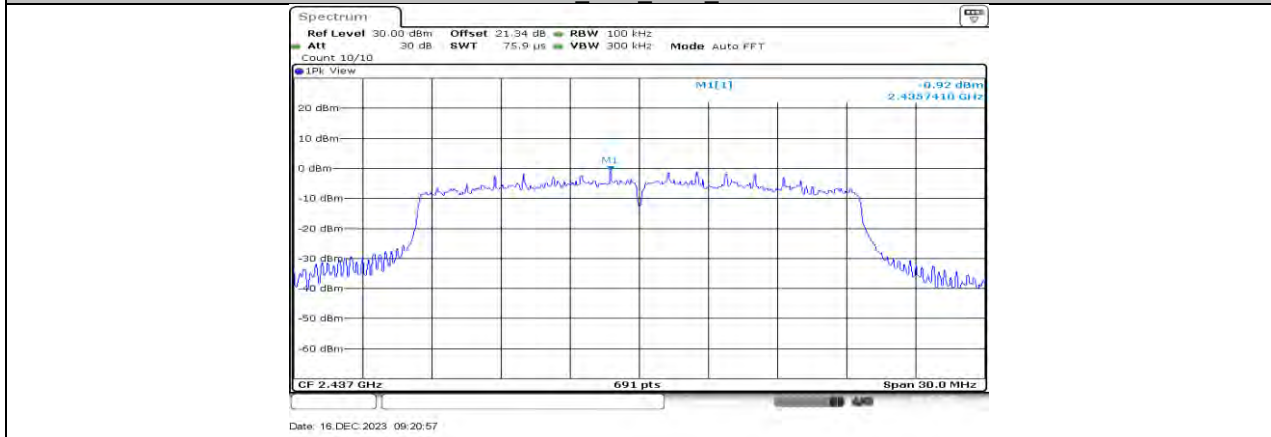
11AX20MIMO Ant2 2412 0~Reference



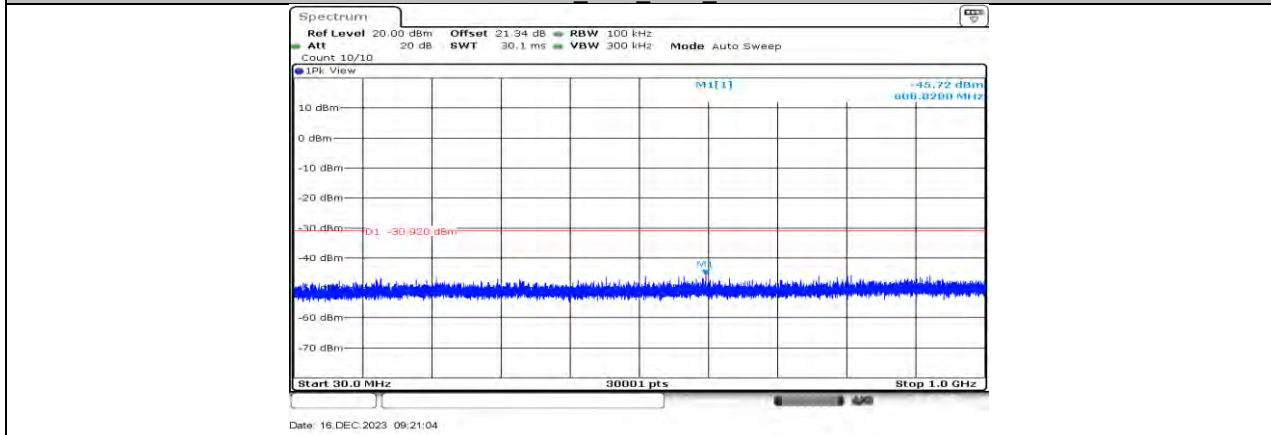




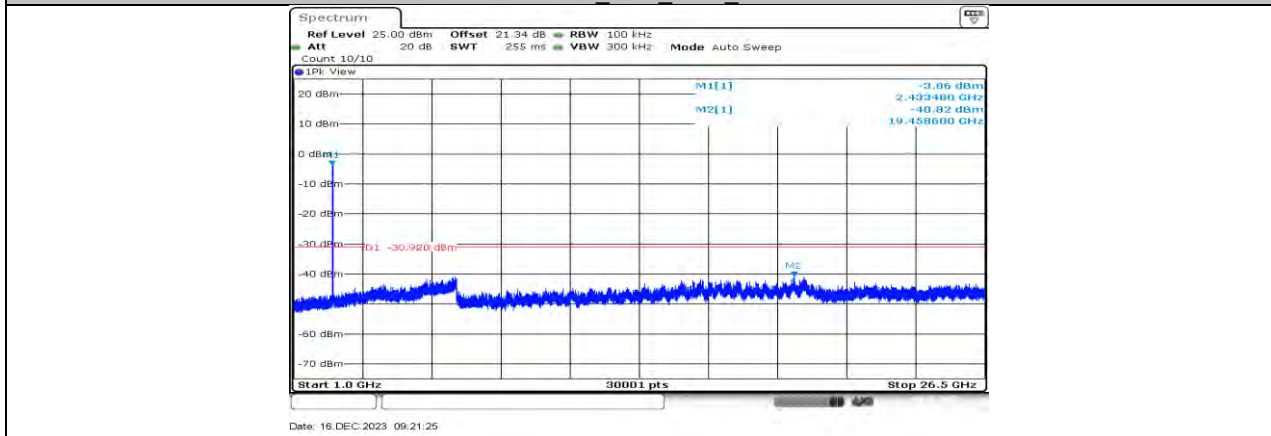
11AX20MIMO Ant1 2437 1000~26500

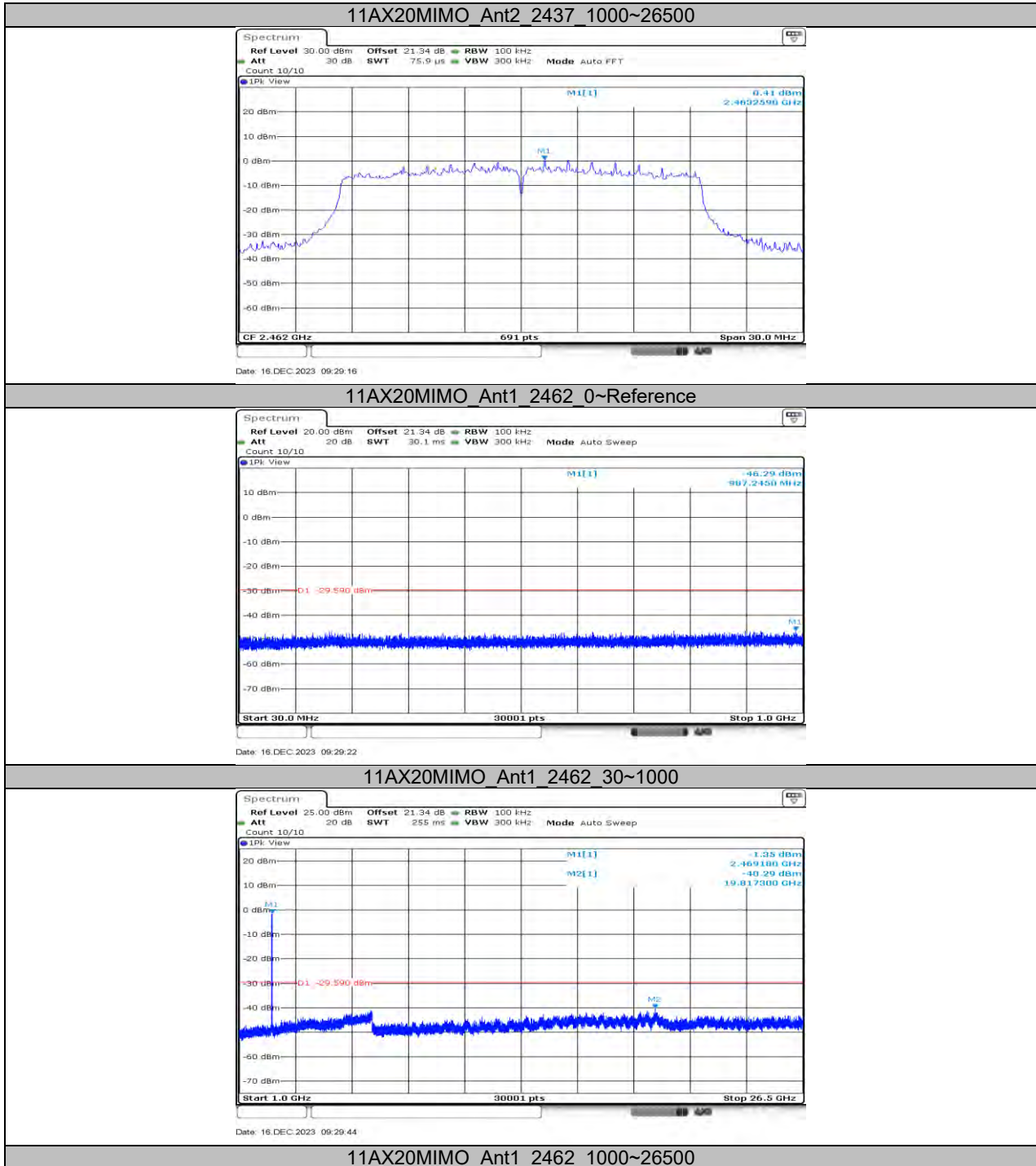


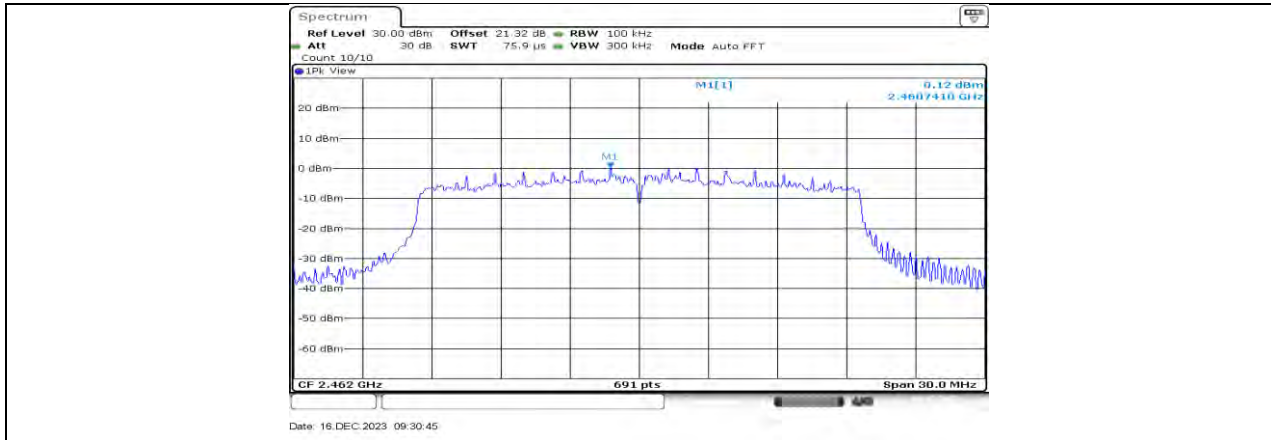
11AX20MIMO Ant2 2437 0~Reference



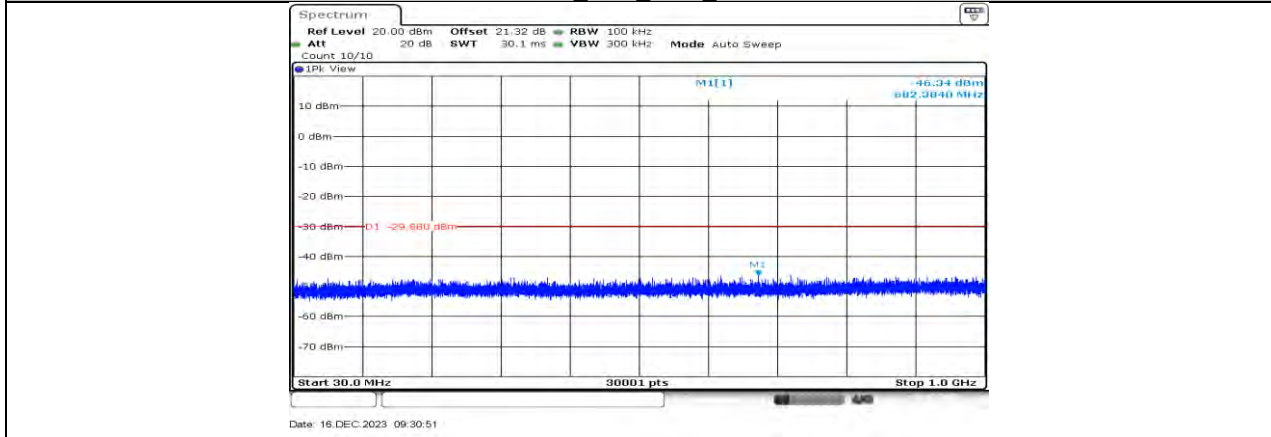
11AX20MIMO Ant2 2437 30~1000



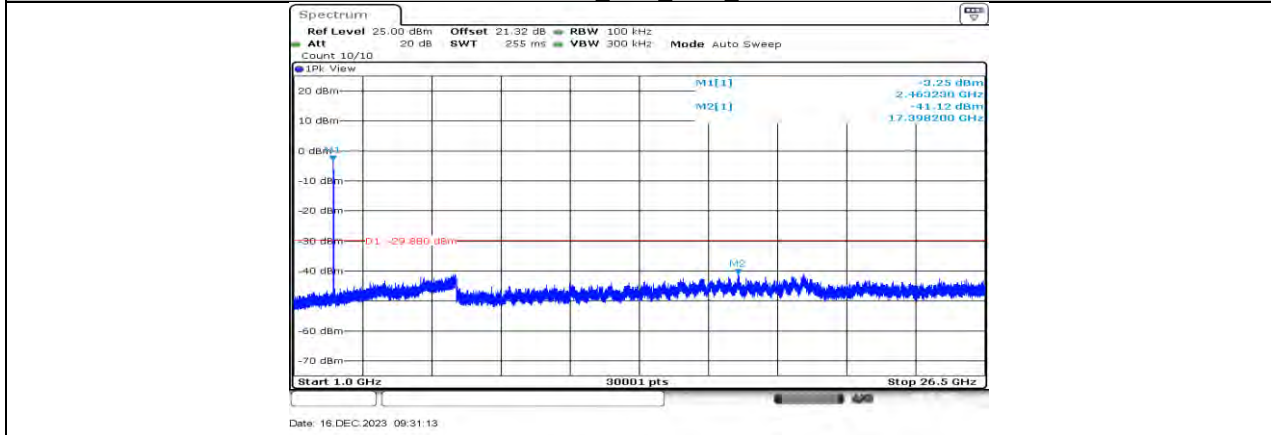




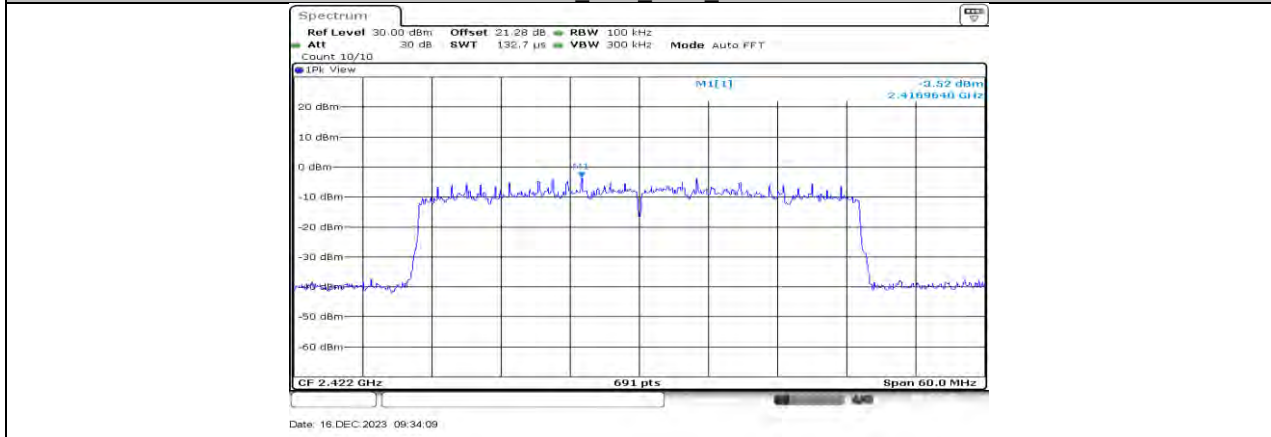
11AX20MIMO_Ant2_2462_0~Reference

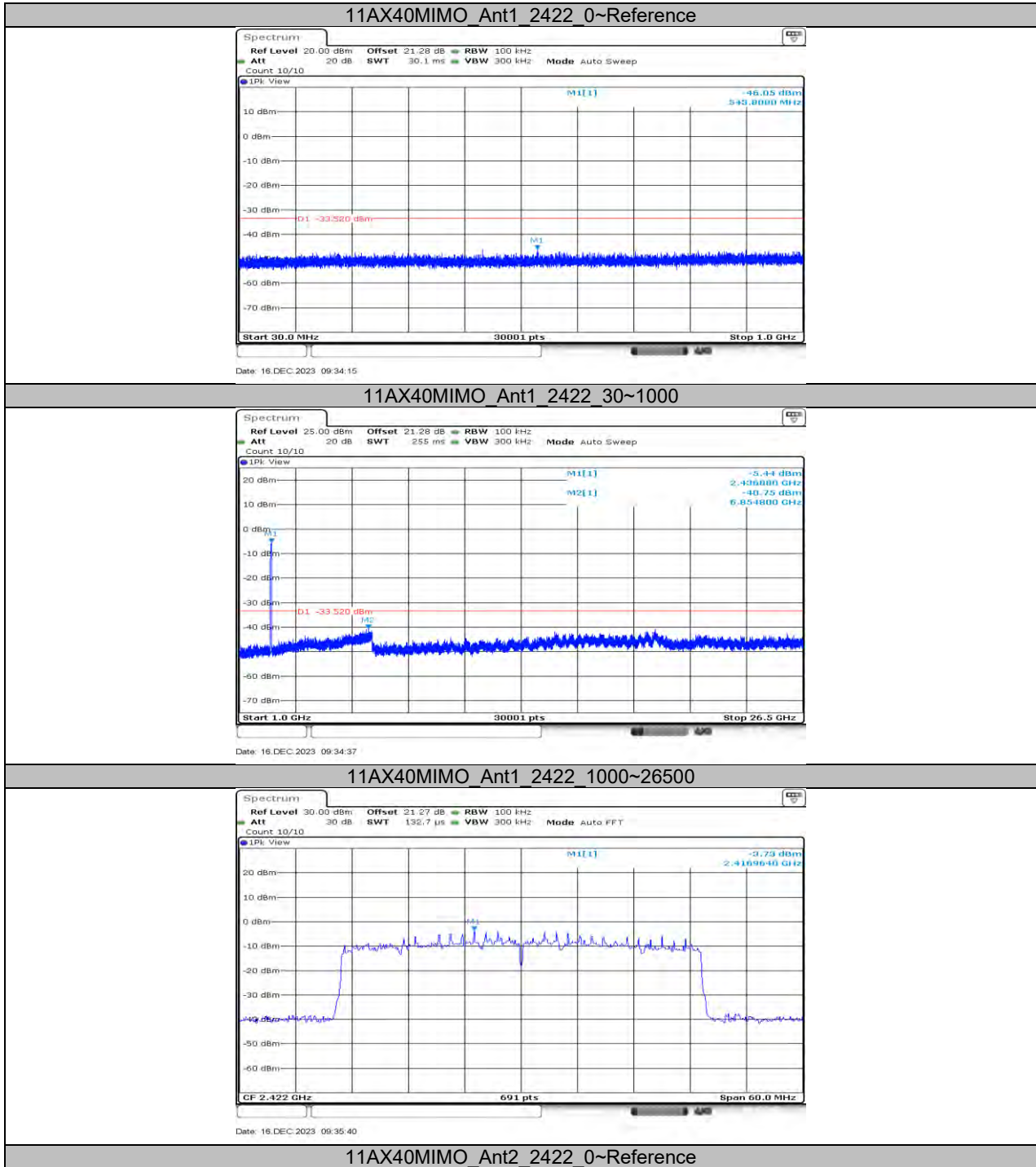


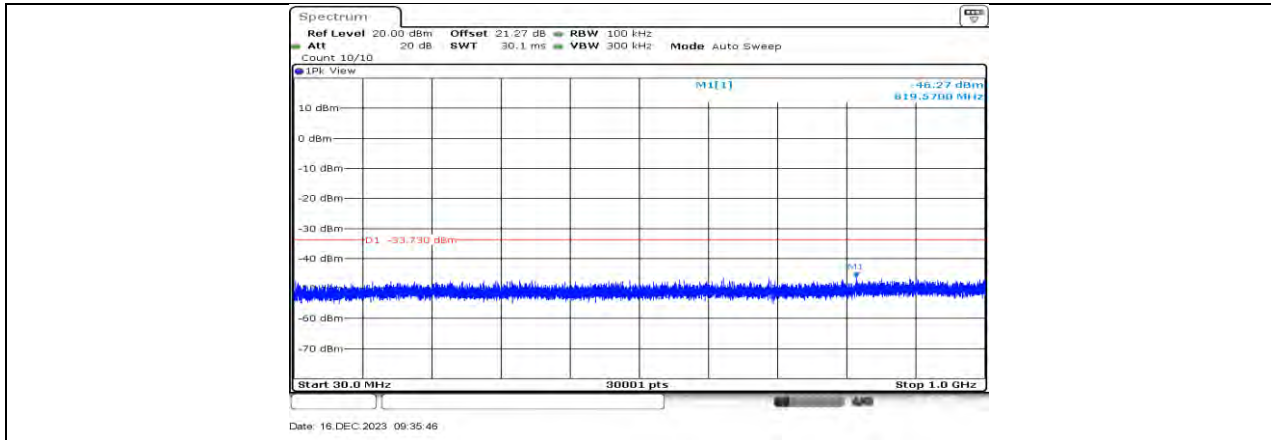
11AX20MIMO_Ant2_2462_30~1000



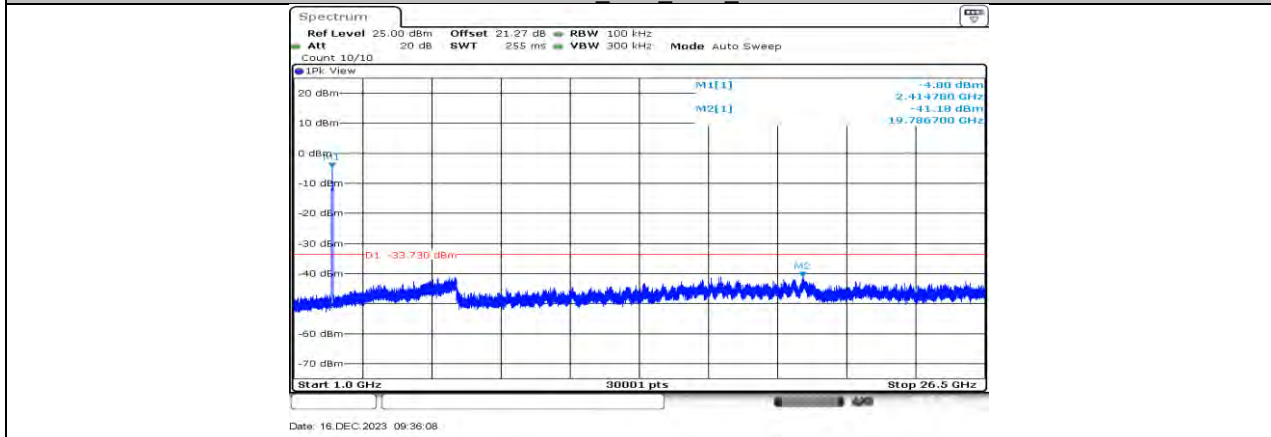
11AX20MIMO_Ant2_2462_1000~26500



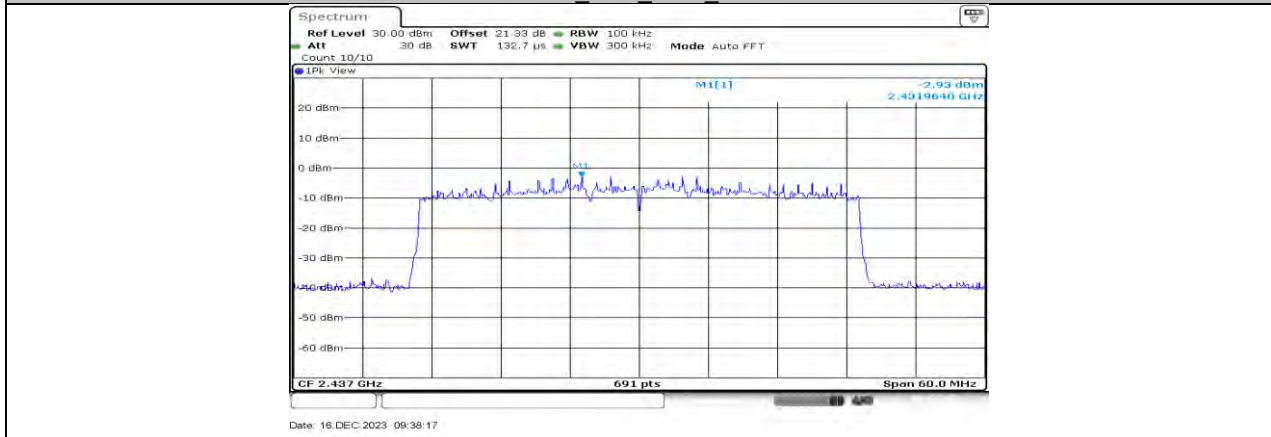




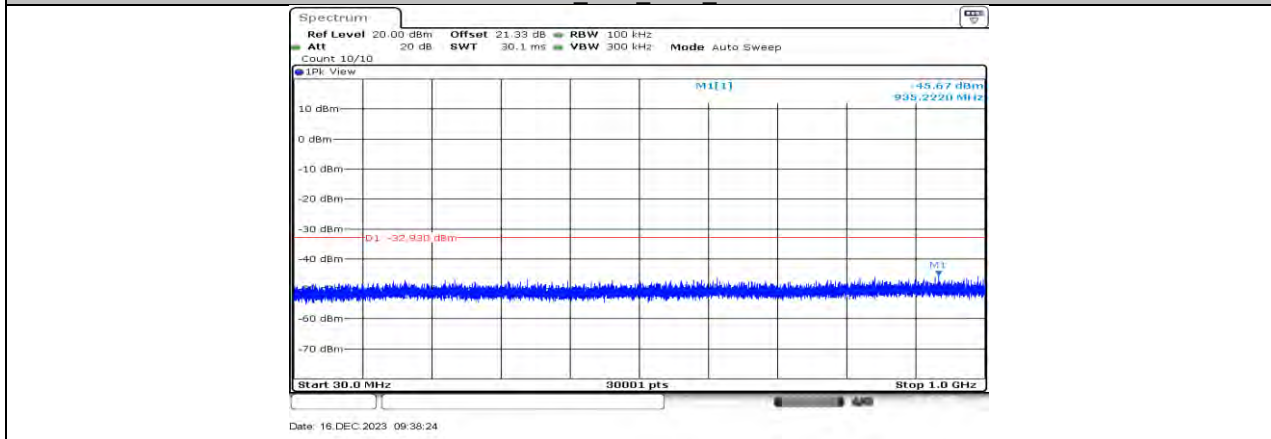
11AX40MIMO Ant2 2422 30~1000

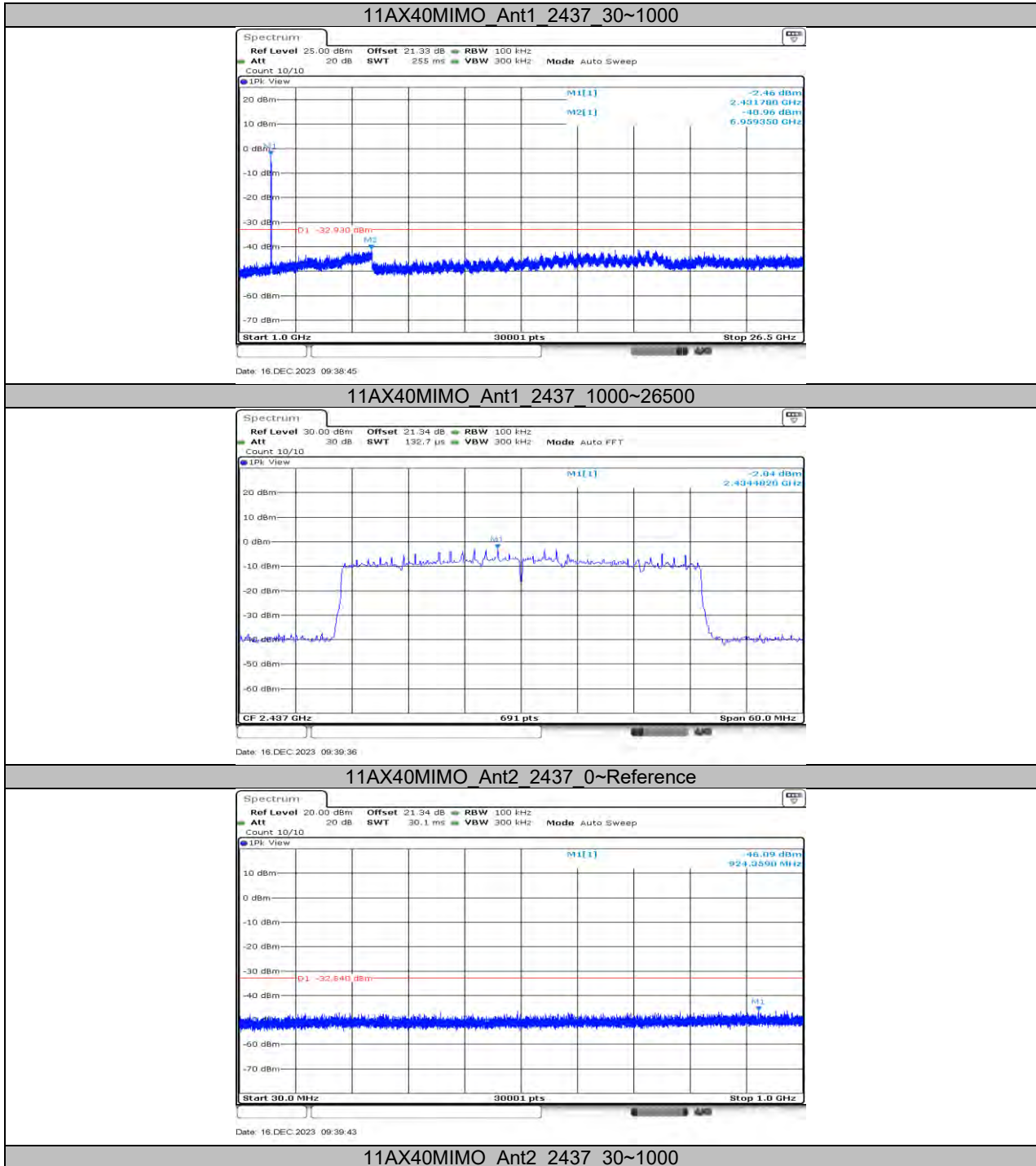


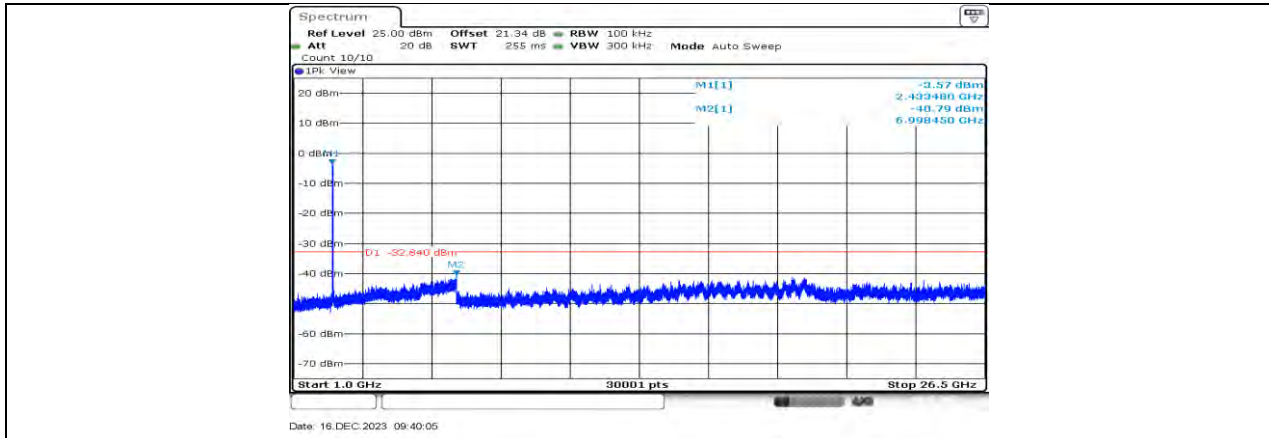
11AX40MIMO Ant2 2422 1000~26500



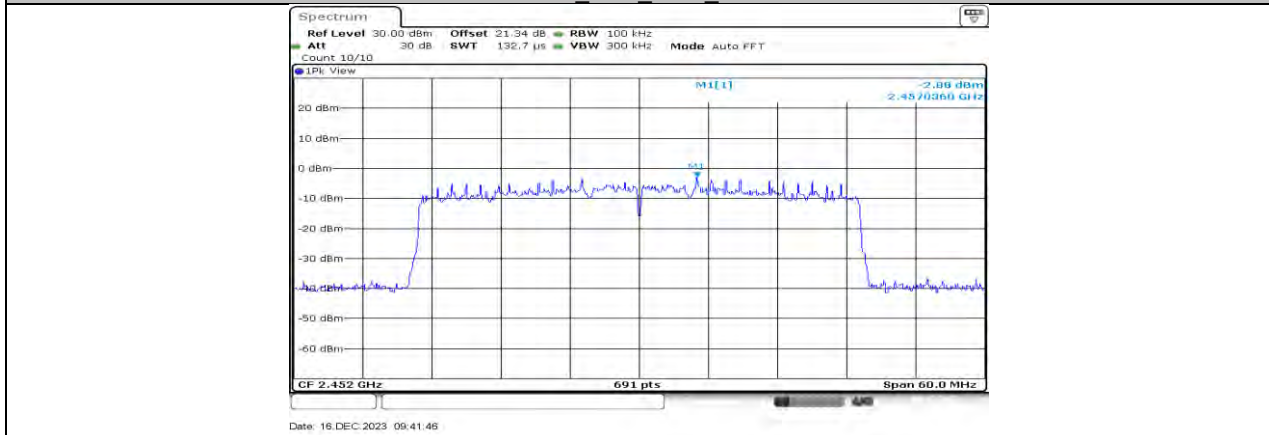
11AX40MIMO Ant1 2437 0~Reference



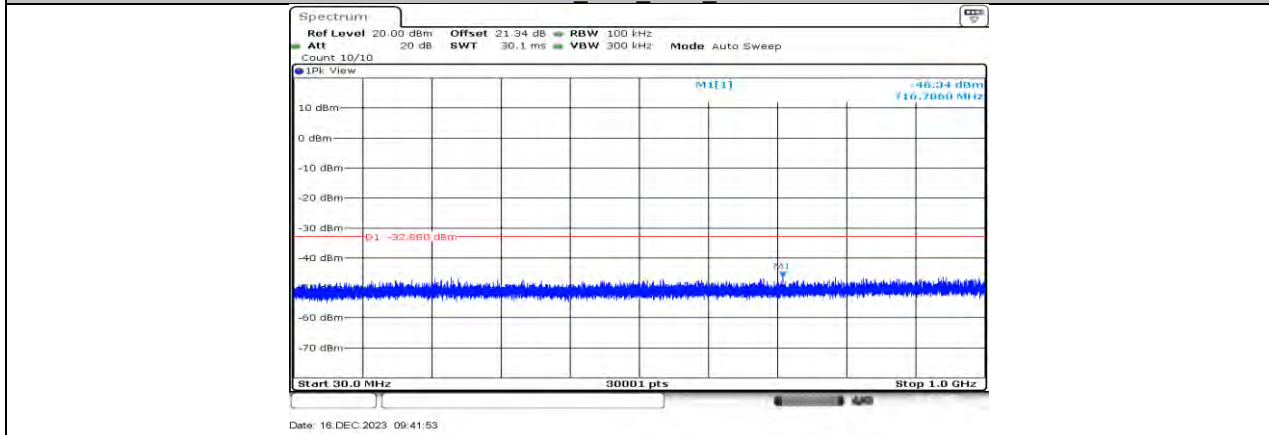




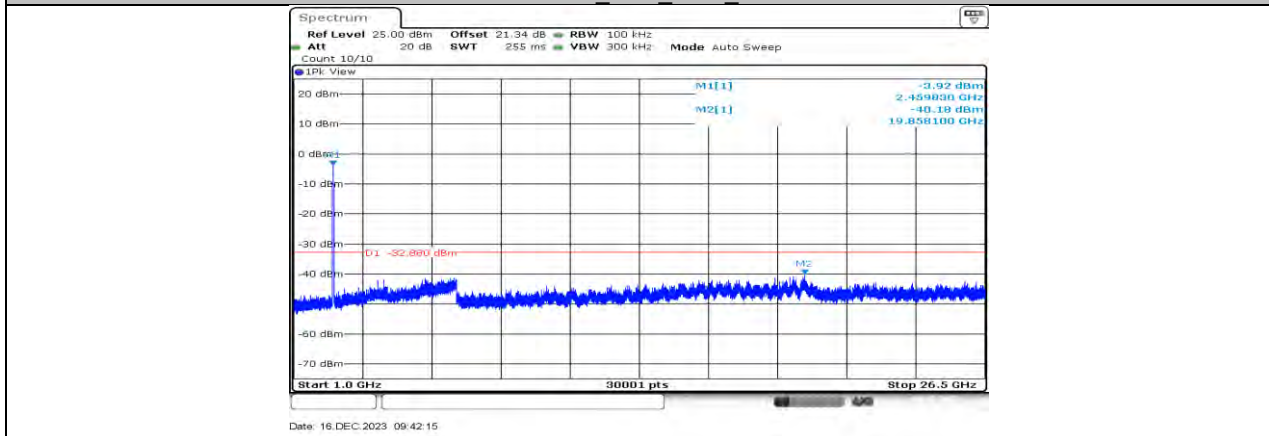
11AX40MIMO Ant2 2437 1000~26500

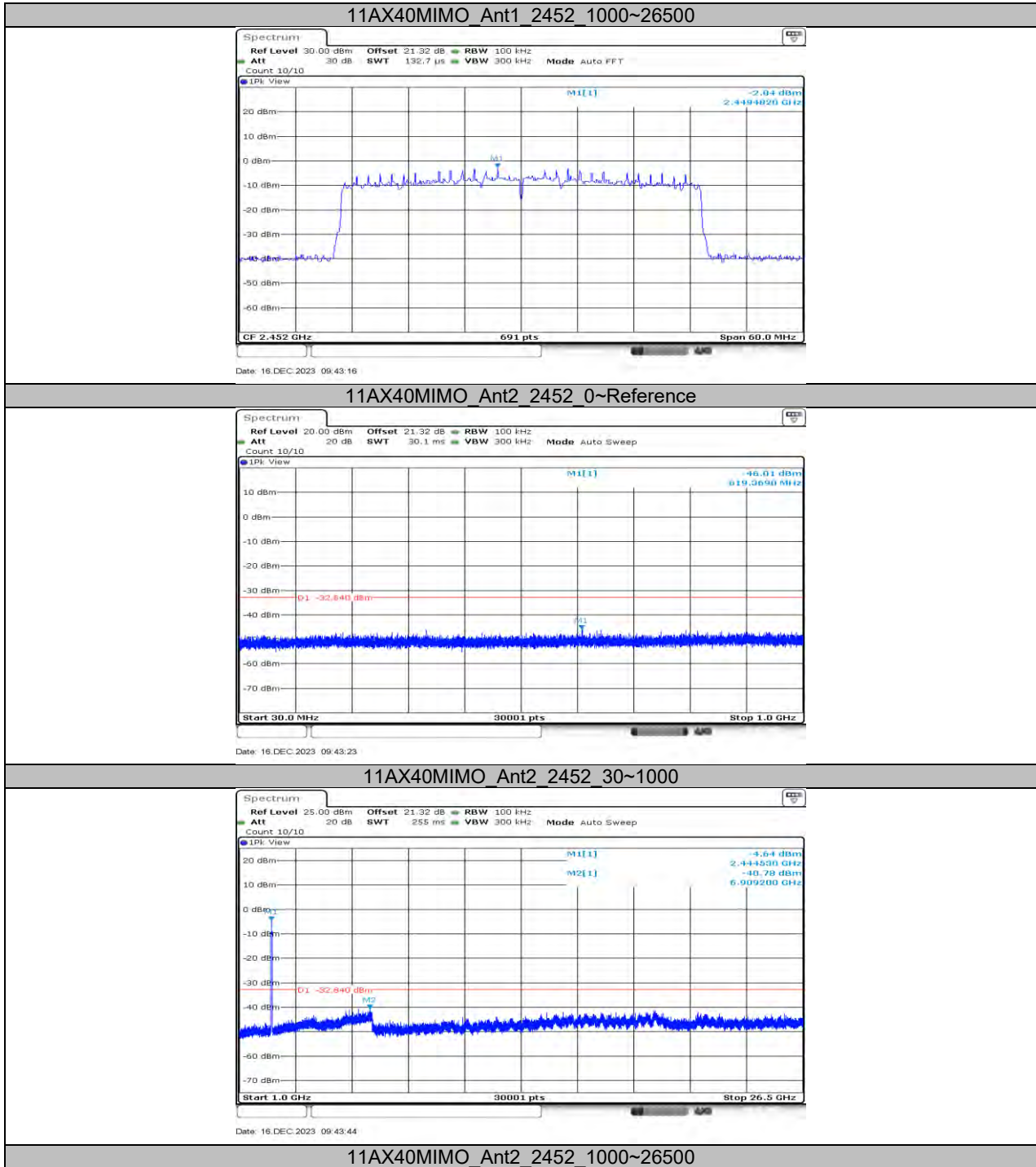


11AX40MIMO Ant1 2452 0~Reference



11AX40MIMO Ant1 2452 30~1000





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	8.36	8.97	0.9320	93.20	0.31	0.12	1
11G	1.37	1.99	0.6884	68.84	1.62	0.73	1
11N20MIMO	1.30	1.92	0.6771	67.71	1.69	0.77	1
11N40MIMO	0.64	1.27	0.5039	50.39	2.98	1.56	2
11AX20MIMO	1.01	1.64	0.6159	61.59	2.11	0.99	1
11AX40MIMO	0.53	1.15	0.4609	46.09	3.36	1.89	2

Note:

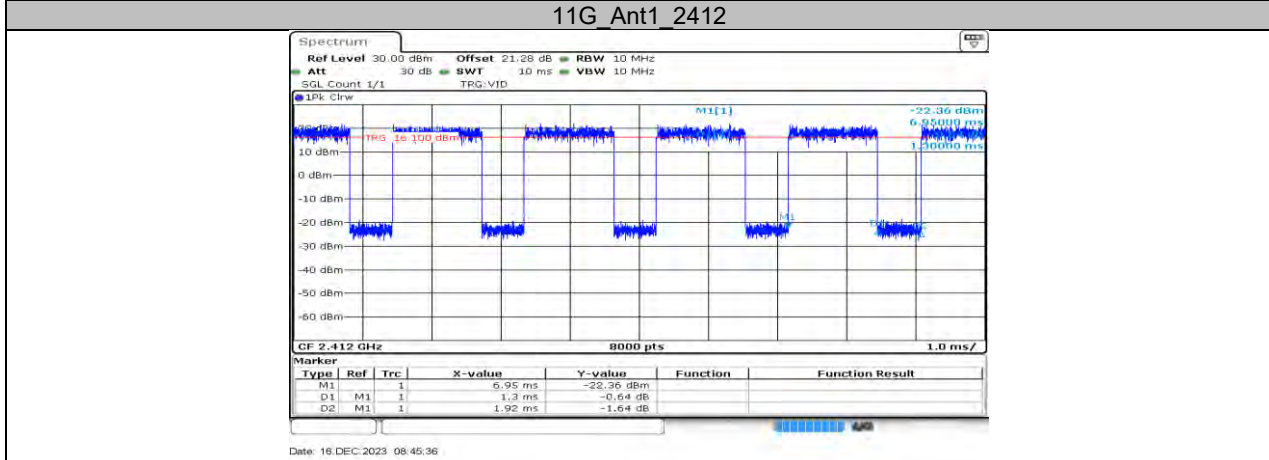
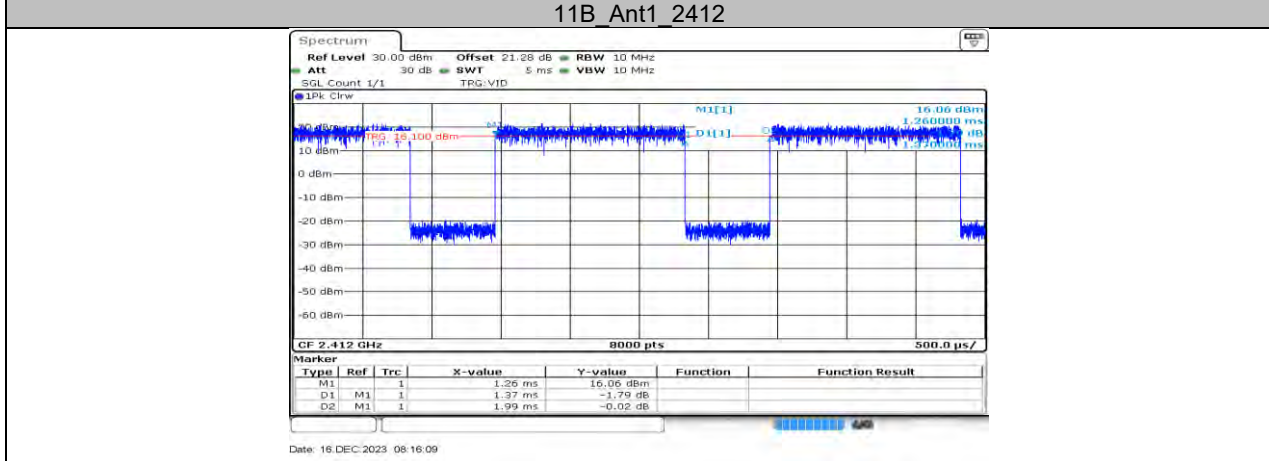
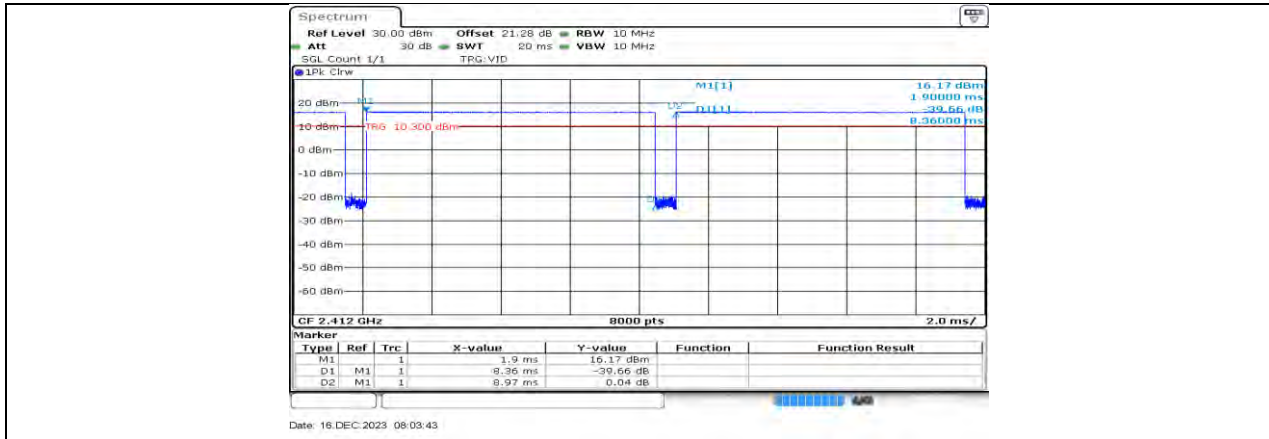
Duty Cycle Correction Factor=10log (1/x).

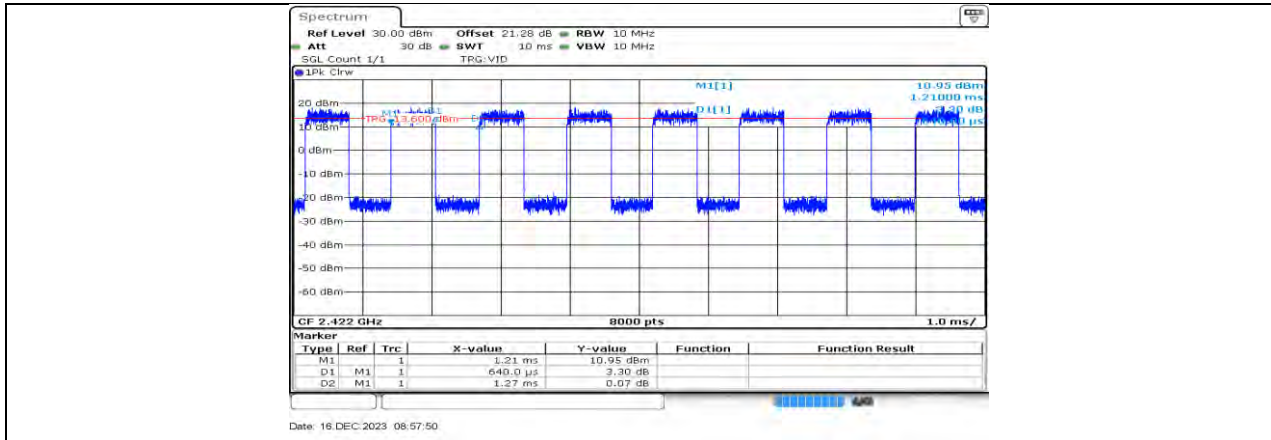
Where: x is Duty Cycle (Linear)

Where: T is On Time

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

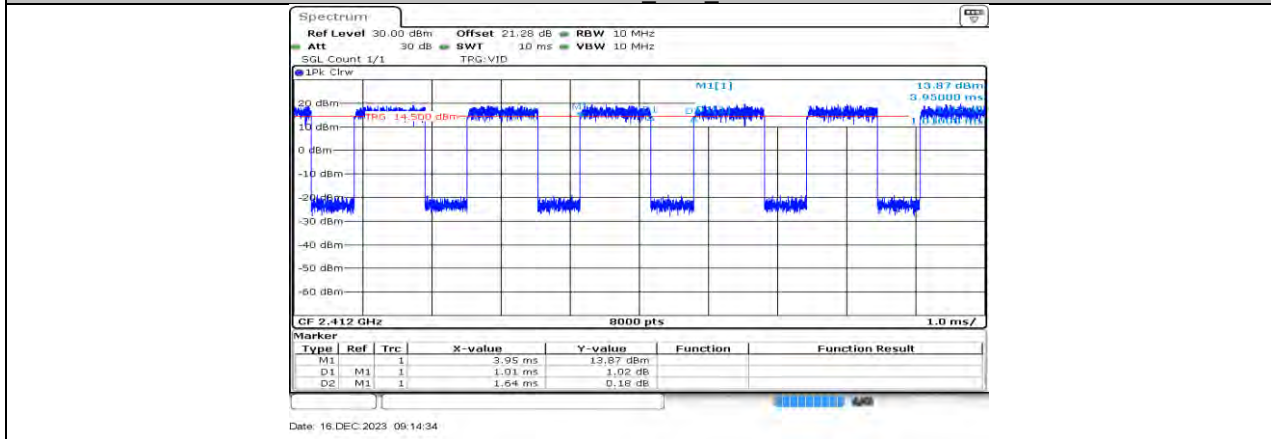
11.7.2. Test Graphs





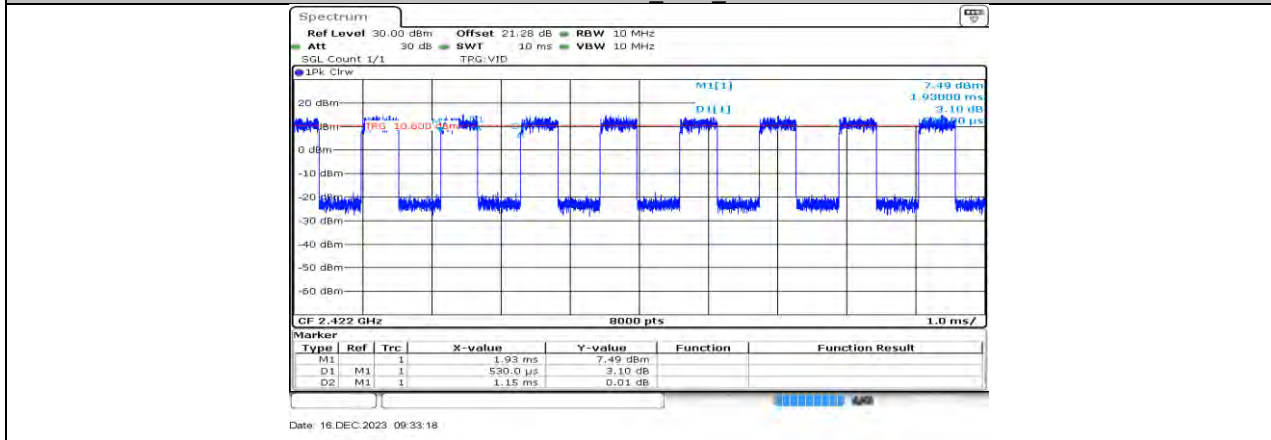
Date: 16.DEC.2023 08:57:50

11N40MIMO Ant1_2422



Date: 16.DEC.2023 09:14:34

11AX20MIMO Ant1_2412



Date: 16.DEC.2023 09:33:18

11AX40MIMO Ant1_2422

END OF REPORT