



Test Mode	Antenna	Frequency[MHz]	Result [dBm]	Limit [dBm]	Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
BLE_1M	Ant1	2402	5.53	≤30.00	2.90	8.43	≤36.00	PASS
		2440	5.50	≤30.00	2.90	8.40	≤36.00	PASS
		2480	5.51	≤30.00	2.90	8.41	≤36.00	PASS



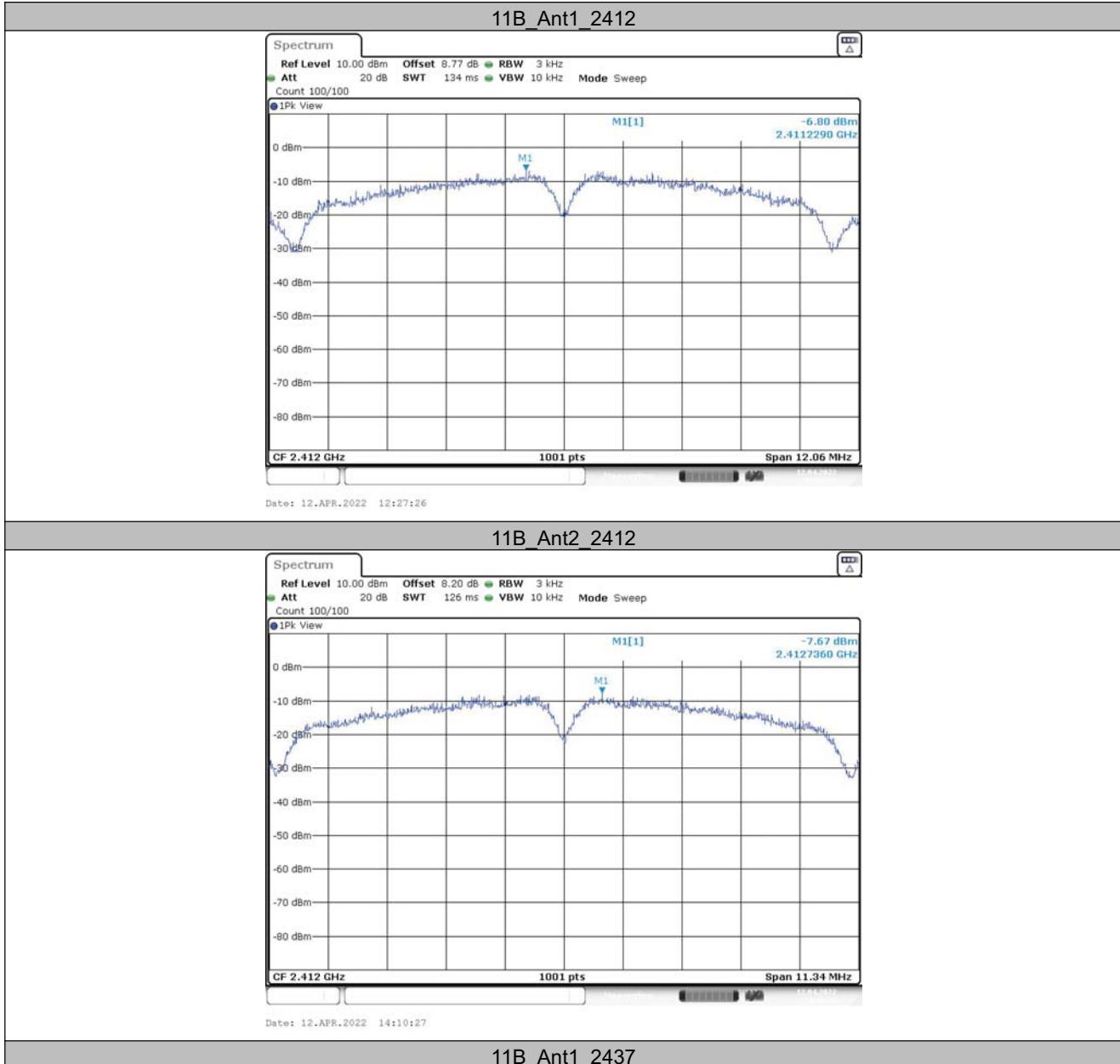
## 6.4 POWER SPECTRAL DENSITY MEASUREMENT

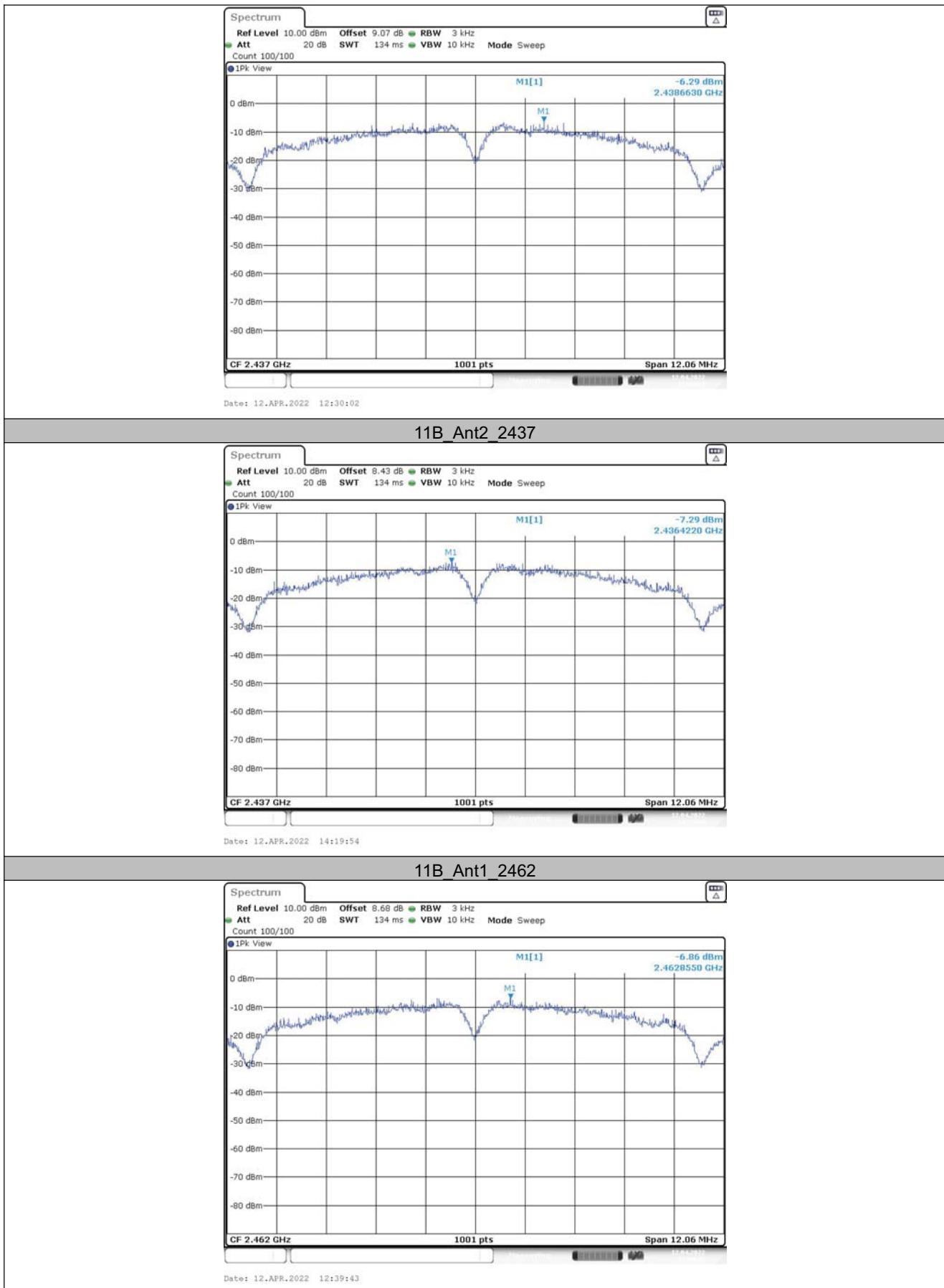
### 6.4.1 Test Result

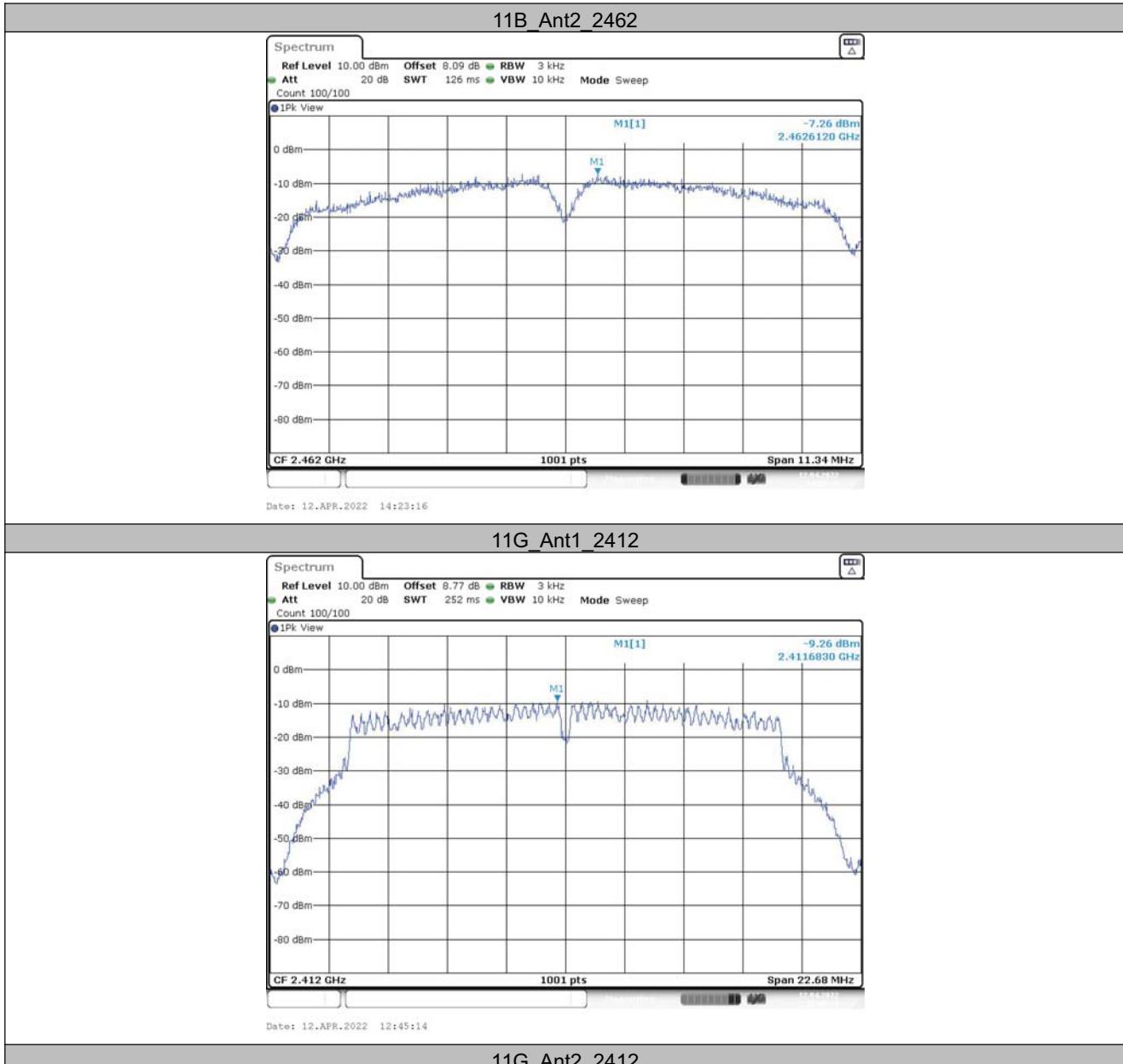
TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-6.8	≤8.00	PASS
	Ant2	2412	-7.67	≤8.00	PASS
	Ant1	2437	-6.29	≤8.00	PASS
	Ant2	2437	-7.29	≤8.00	PASS
	Ant1	2462	-6.86	≤8.00	PASS
	Ant2	2462	-7.26	≤8.00	PASS
11G	Ant1	2412	-9.26	≤8.00	PASS
	Ant2	2412	-9.75	≤8.00	PASS
	Ant1	2437	-8.05	≤8.00	PASS
	Ant2	2437	-8.27	≤8.00	PASS
	Ant1	2462	-9.11	≤8.00	PASS
	Ant2	2462	-9.31	≤8.00	PASS
11N20MIMO	Ant1	2412	-12.85	≤8.00	PASS
	Ant2	2412	-12.5	≤8.00	PASS
	total	2412	-9.66	≤8.00	PASS
	Ant1	2437	-11.7	≤8.00	PASS
	Ant2	2437	-14.1	≤8.00	PASS
	total	2437	-9.73	≤8.00	PASS
	Ant1	2462	-12.89	≤8.00	PASS
	Ant2	2462	-13.86	≤8.00	PASS
	total	2462	-10.34	≤8.00	PASS
	Ant1	2422	-15.38	≤8.00	PASS
11N40MIMO	Ant2	2422	-16.03	≤8.00	PASS
	total	2422	-12.68	≤8.00	PASS
	Ant1	2437	-14.68	≤8.00	PASS
	Ant2	2437	-16.97	≤8.00	PASS
	total	2437	-12.67	≤8.00	PASS
	Ant1	2452	-15.08	≤8.00	PASS
	Ant2	2452	-14.8	≤8.00	PASS
	total	2452	-11.93	≤8.00	PASS
	Ant1	2422	-17.03	≤8.00	PASS
11AX40MIMO	Ant2	2422	-19.29	≤8.00	PASS
	total	2422	-15.00	≤8.00	PASS
	Ant1	2437	-16.92	≤8.00	PASS
	Ant2	2437	-18.98	≤8.00	PASS
	total	2437	-14.82	≤8.00	PASS
	Ant1	2452	-18.32	≤8.00	PASS
	Ant2	2452	-17.67	≤8.00	PASS
	total	2452	-14.97	≤8.00	PASS

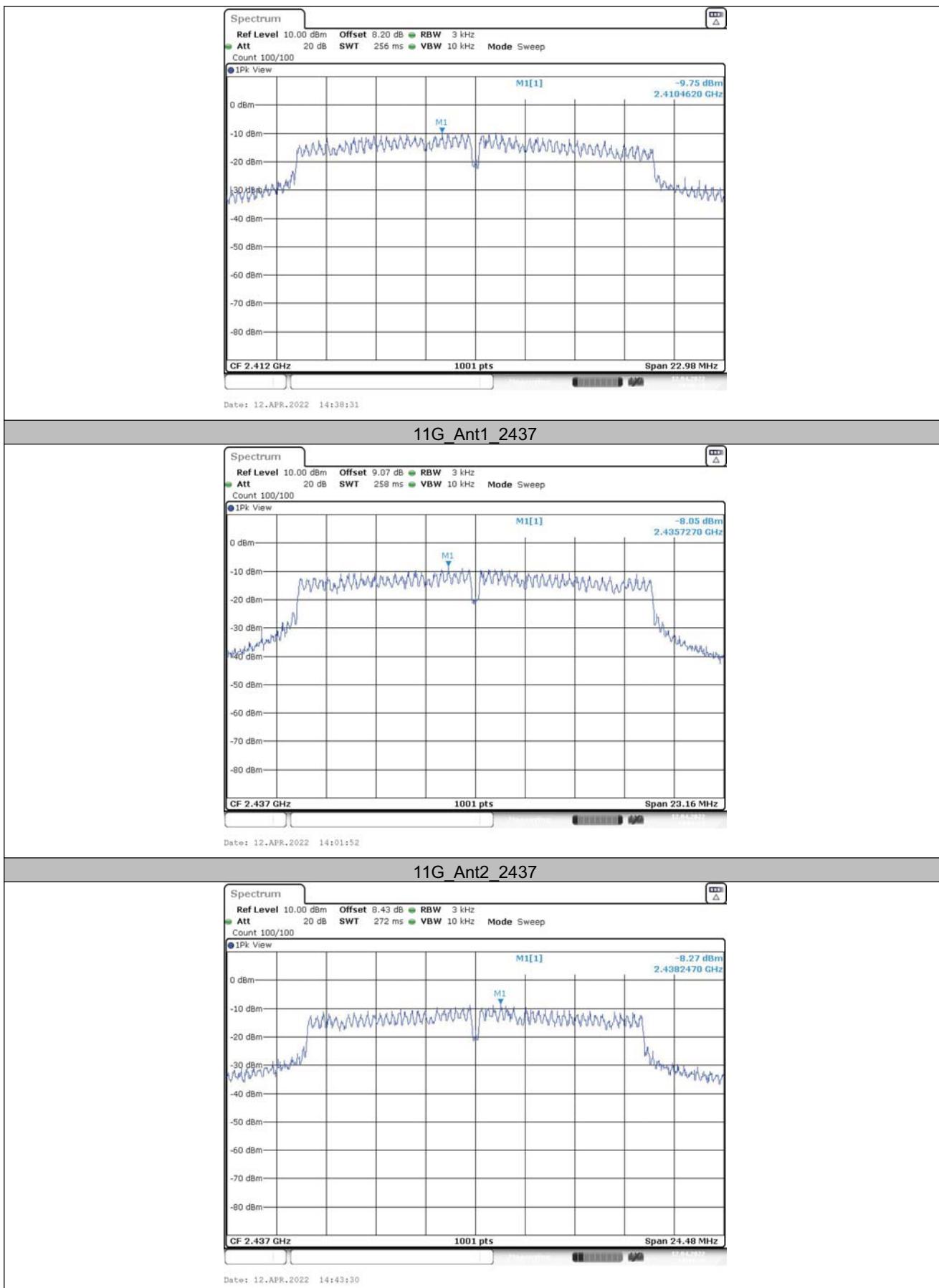
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-8.46	≤8.00	PASS
		2440	-8.61	≤8.00	PASS
		2480	-8.46	≤8.00	PASS

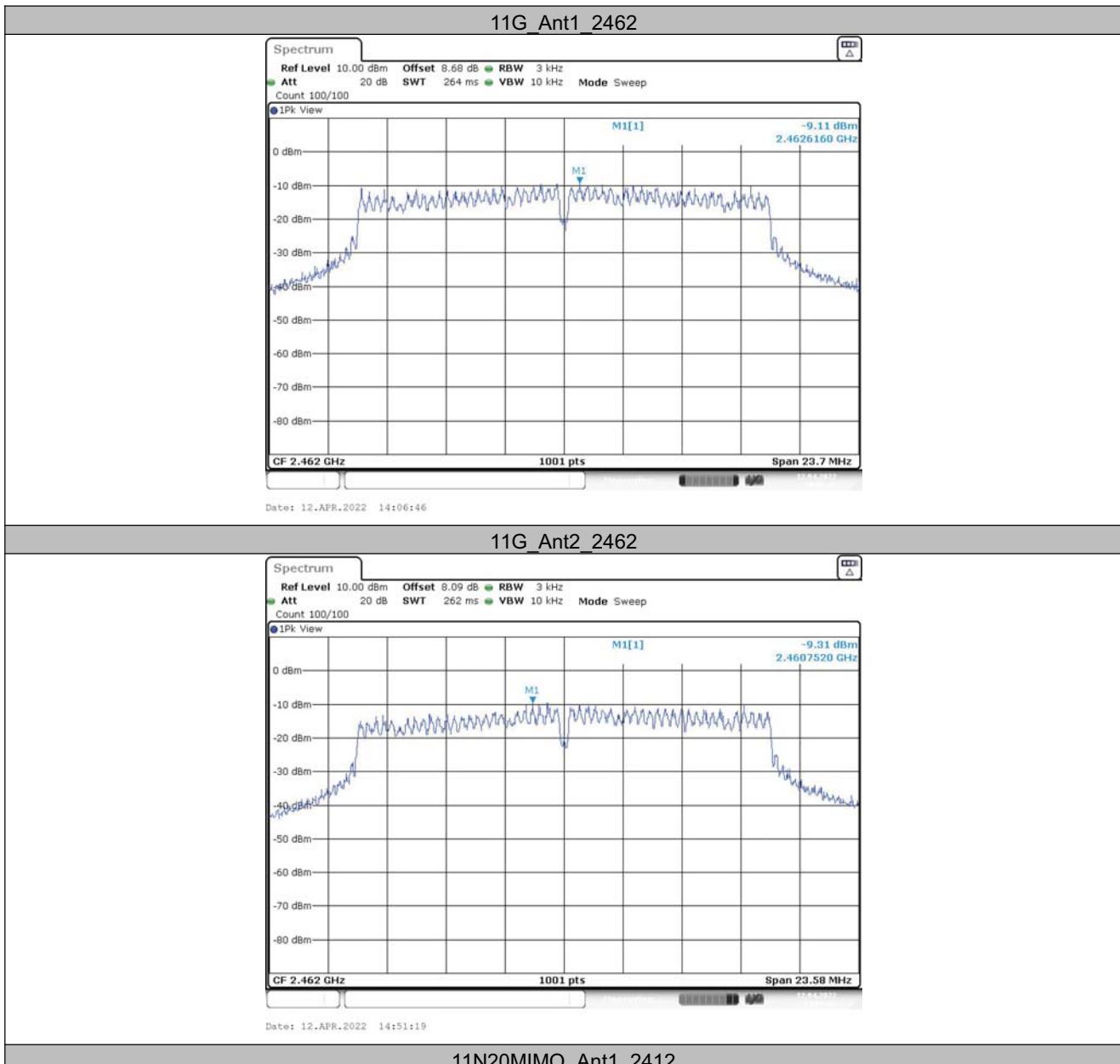
### 6.4.2 Test Graphs

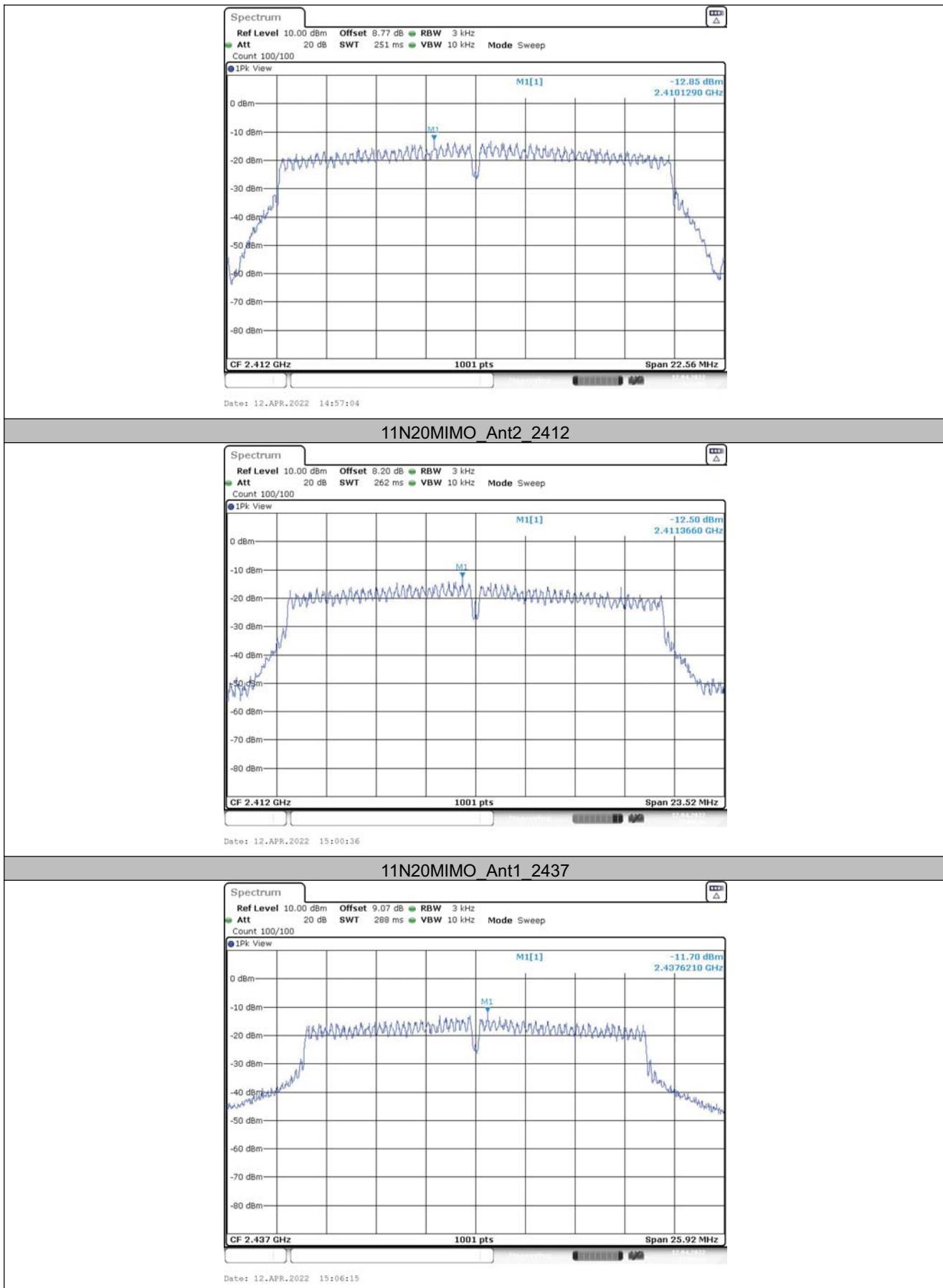


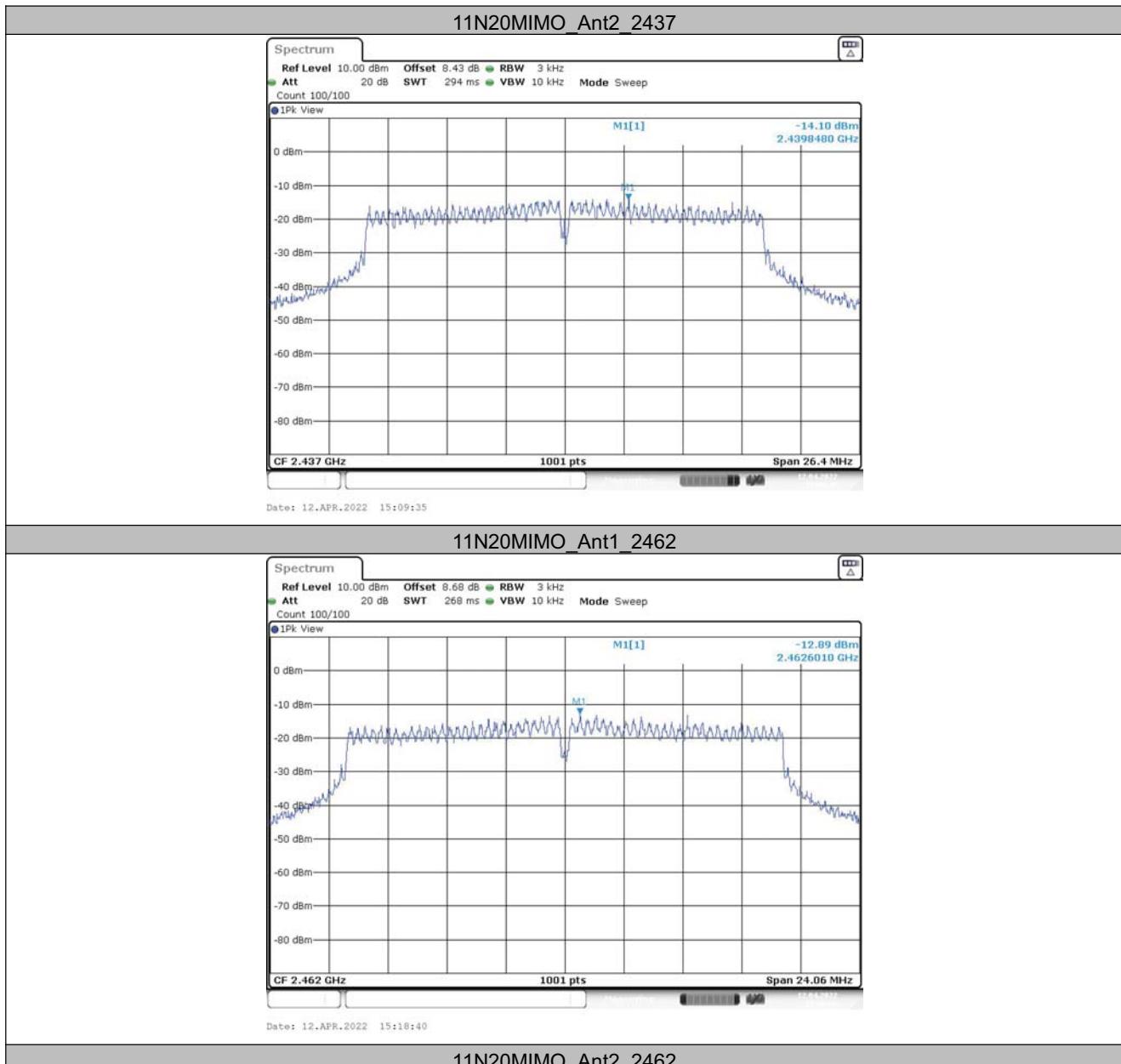


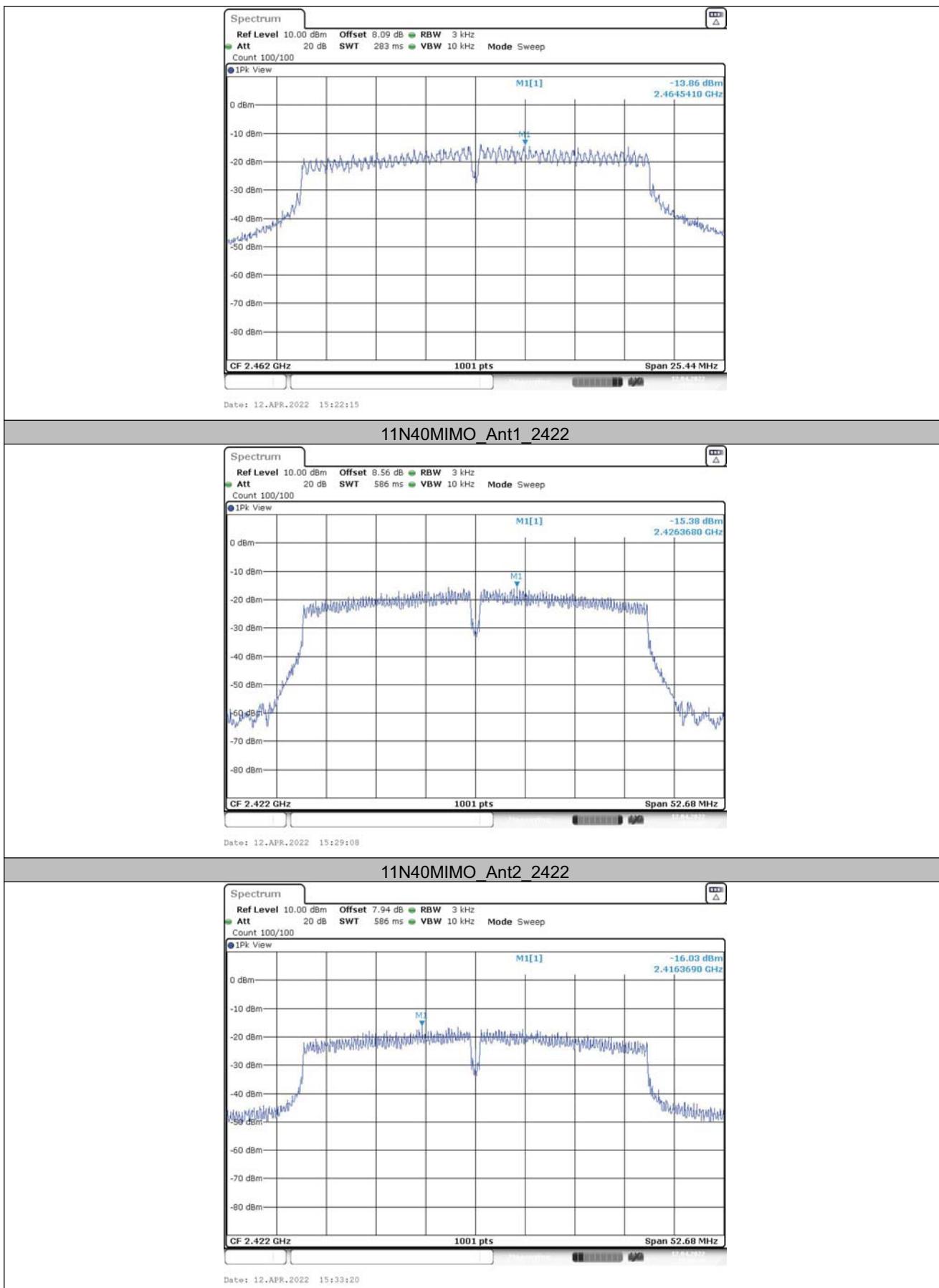


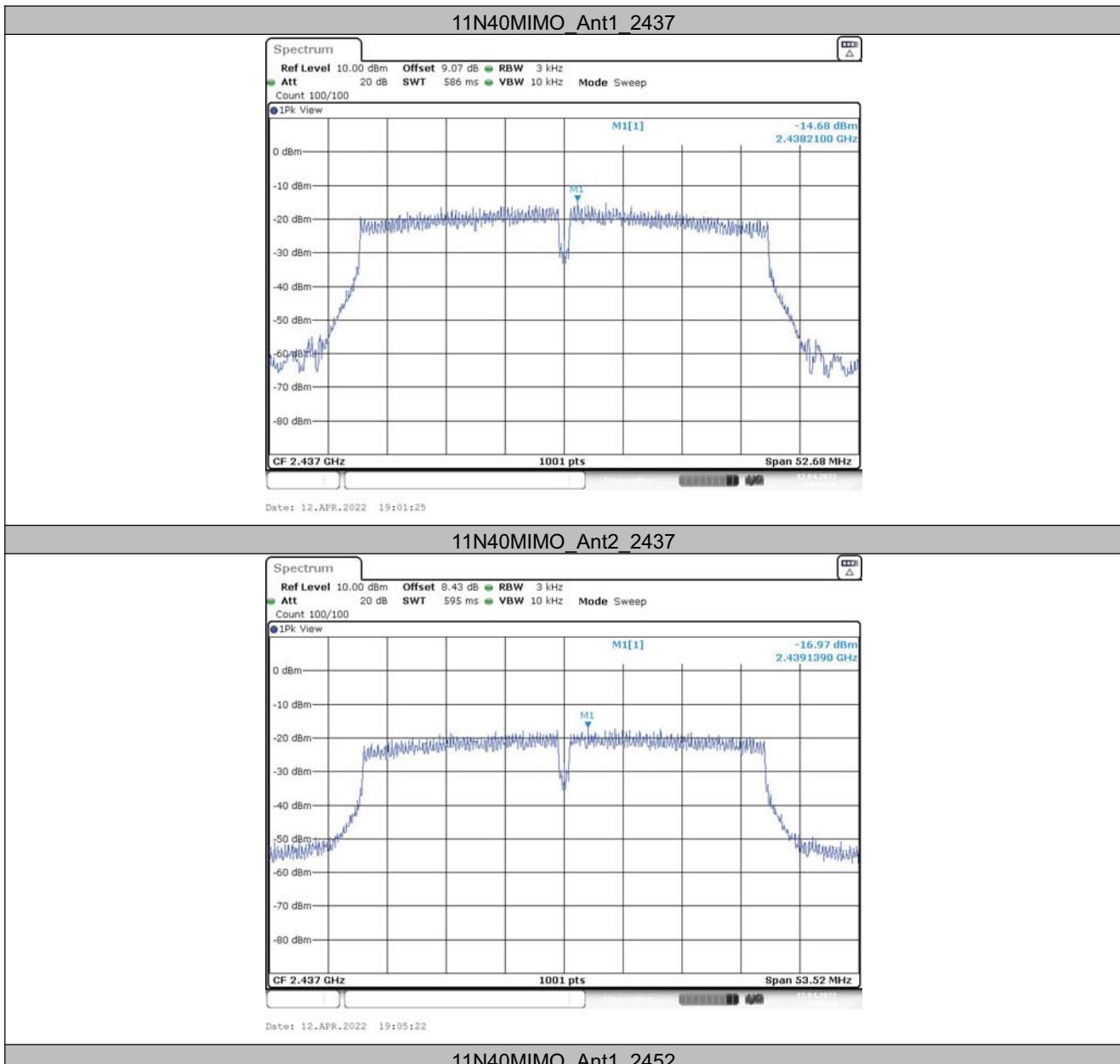


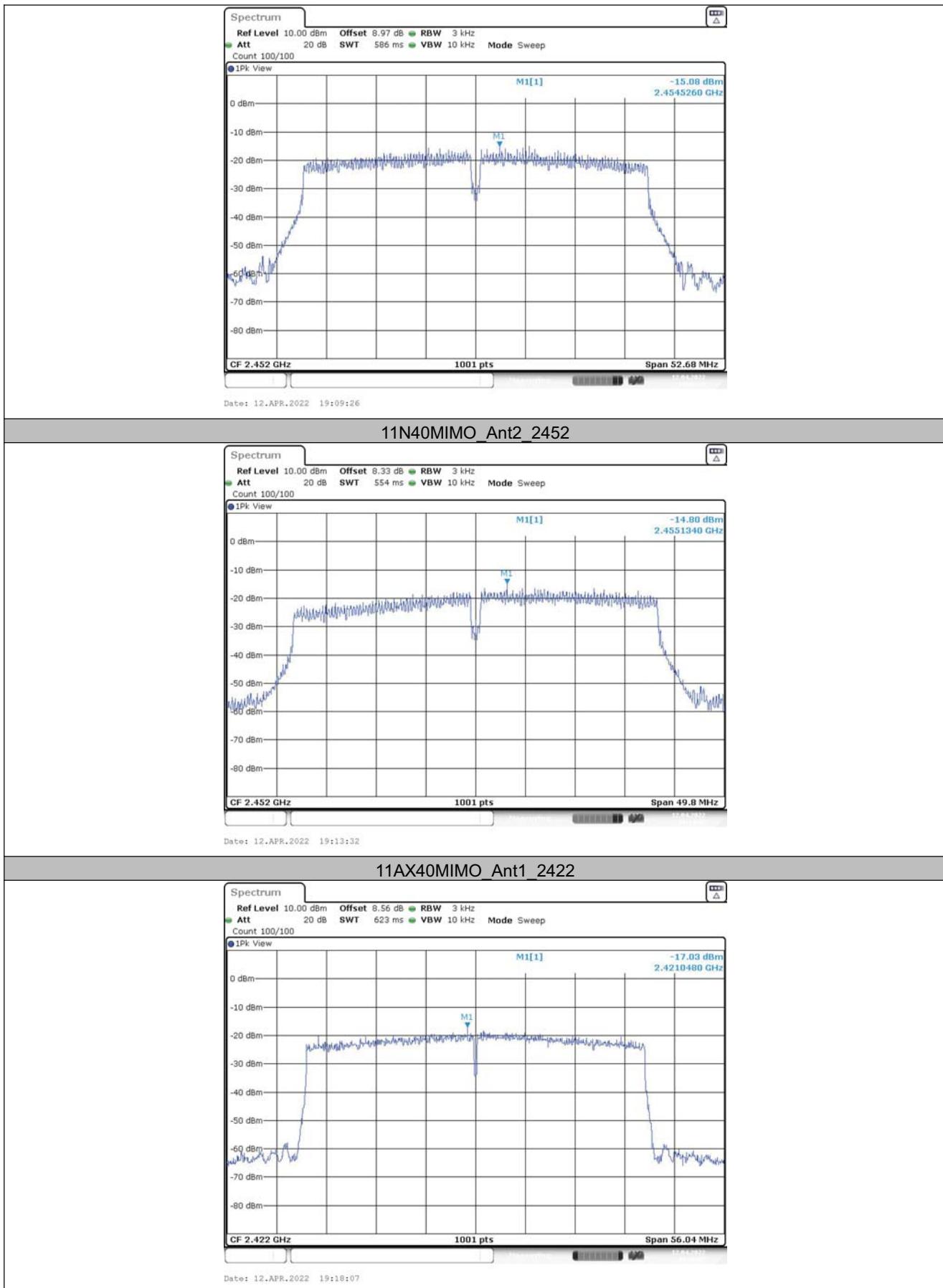


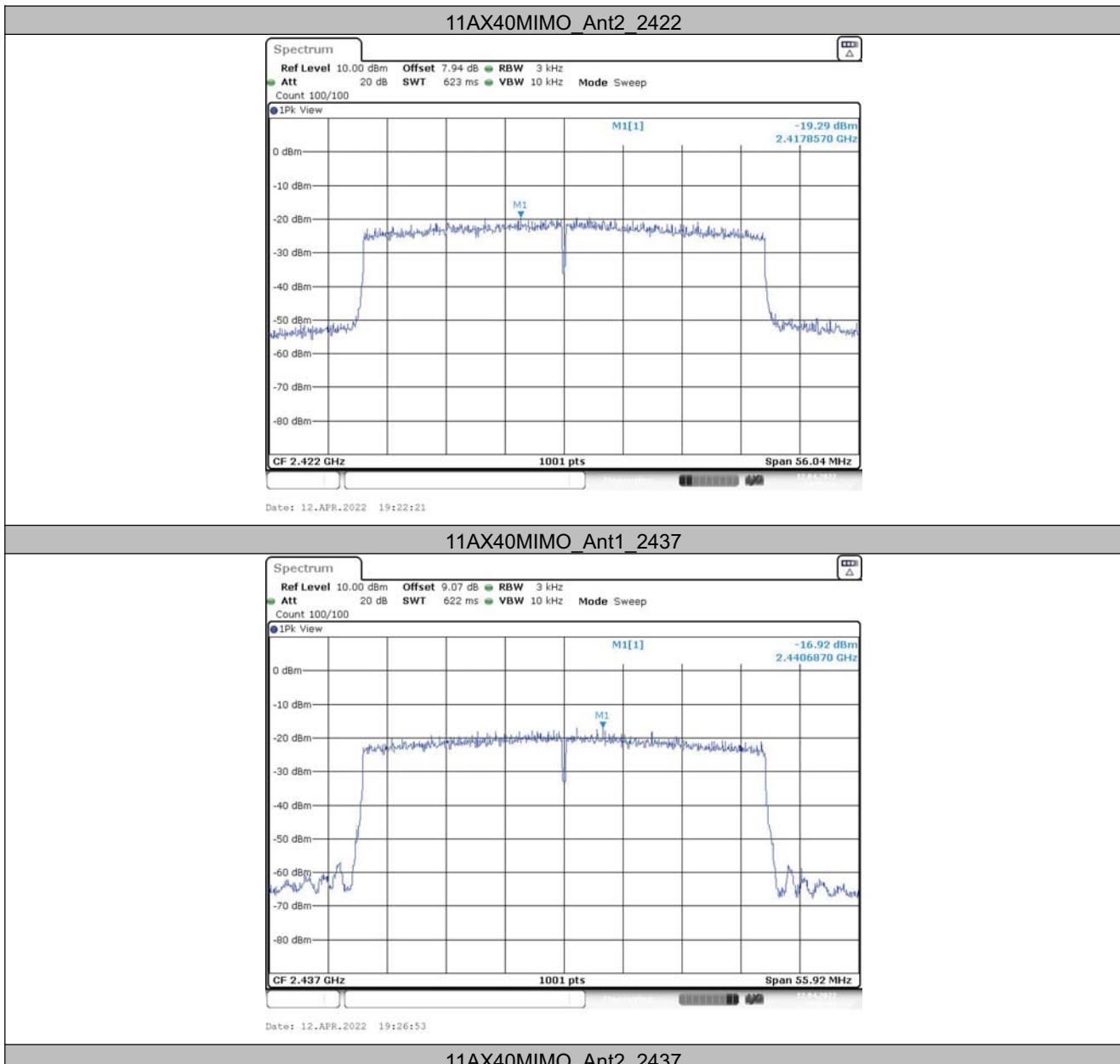


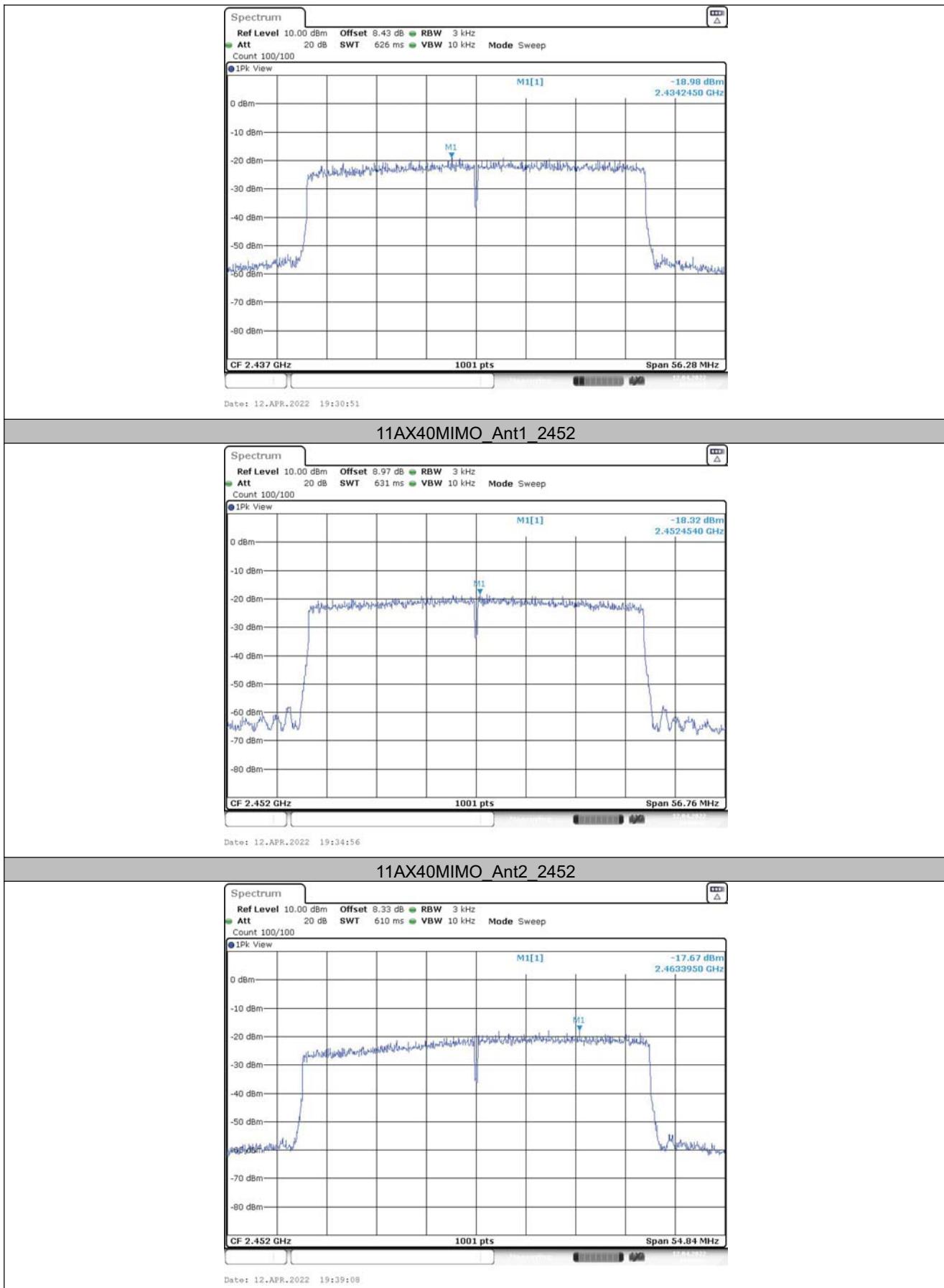


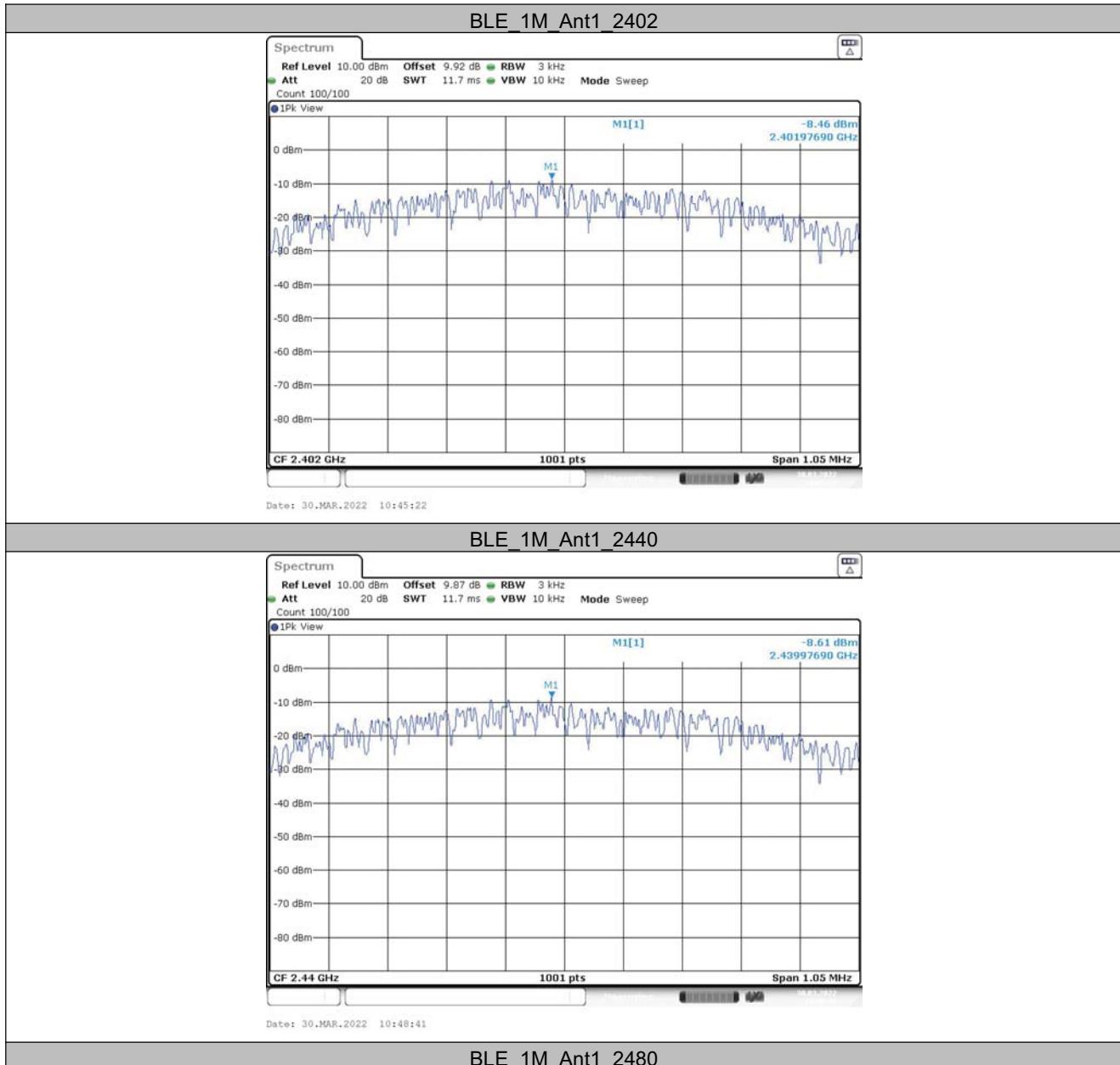


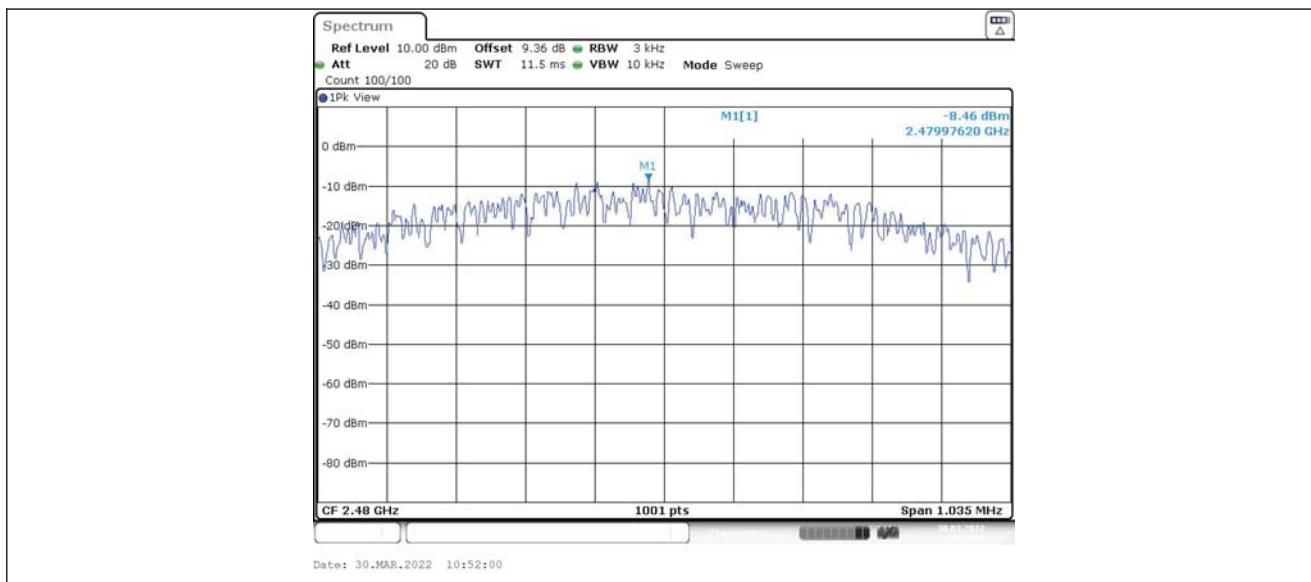














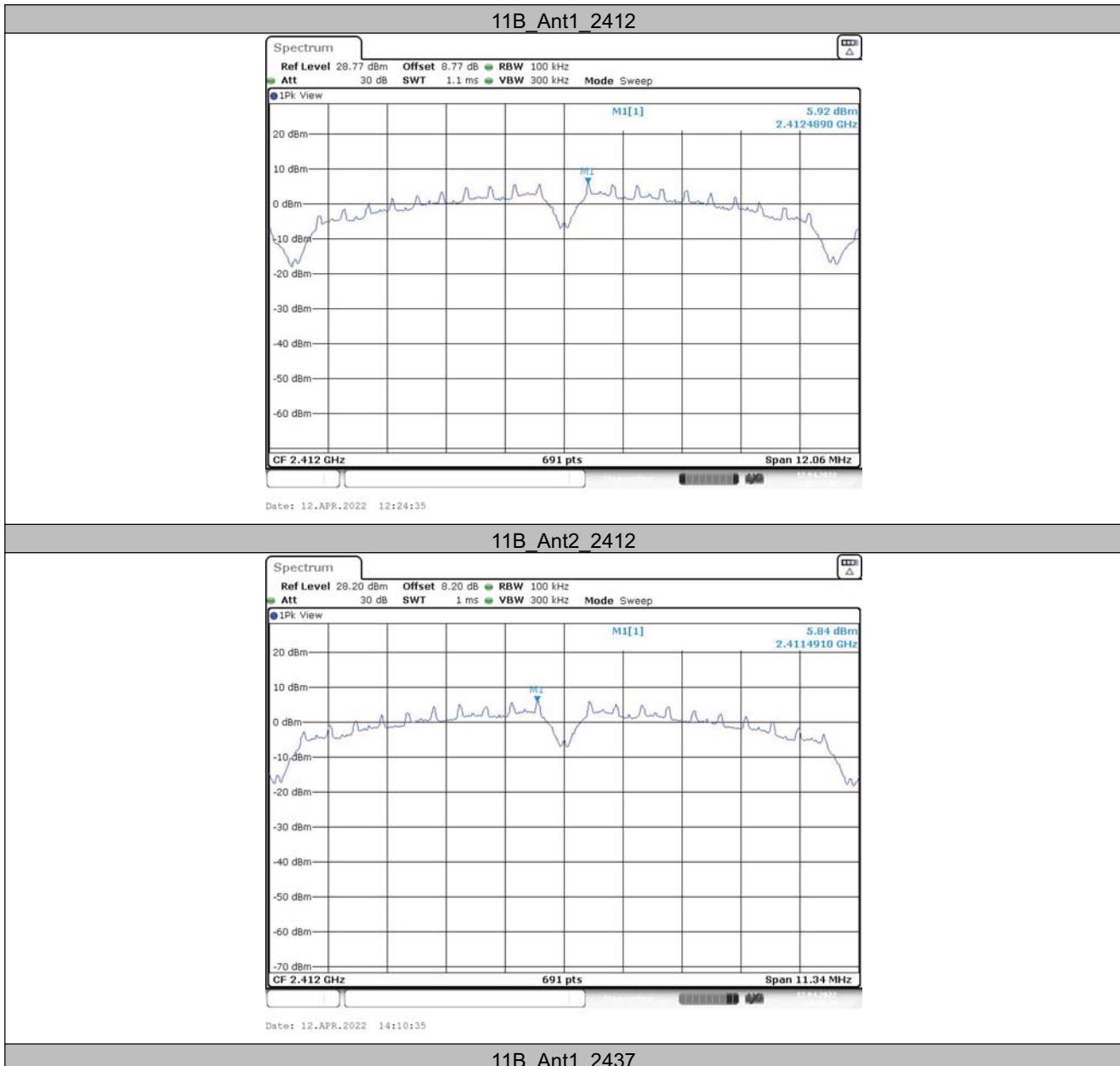
## 6.5 REFERENCE LEVEL MEASUREMENT

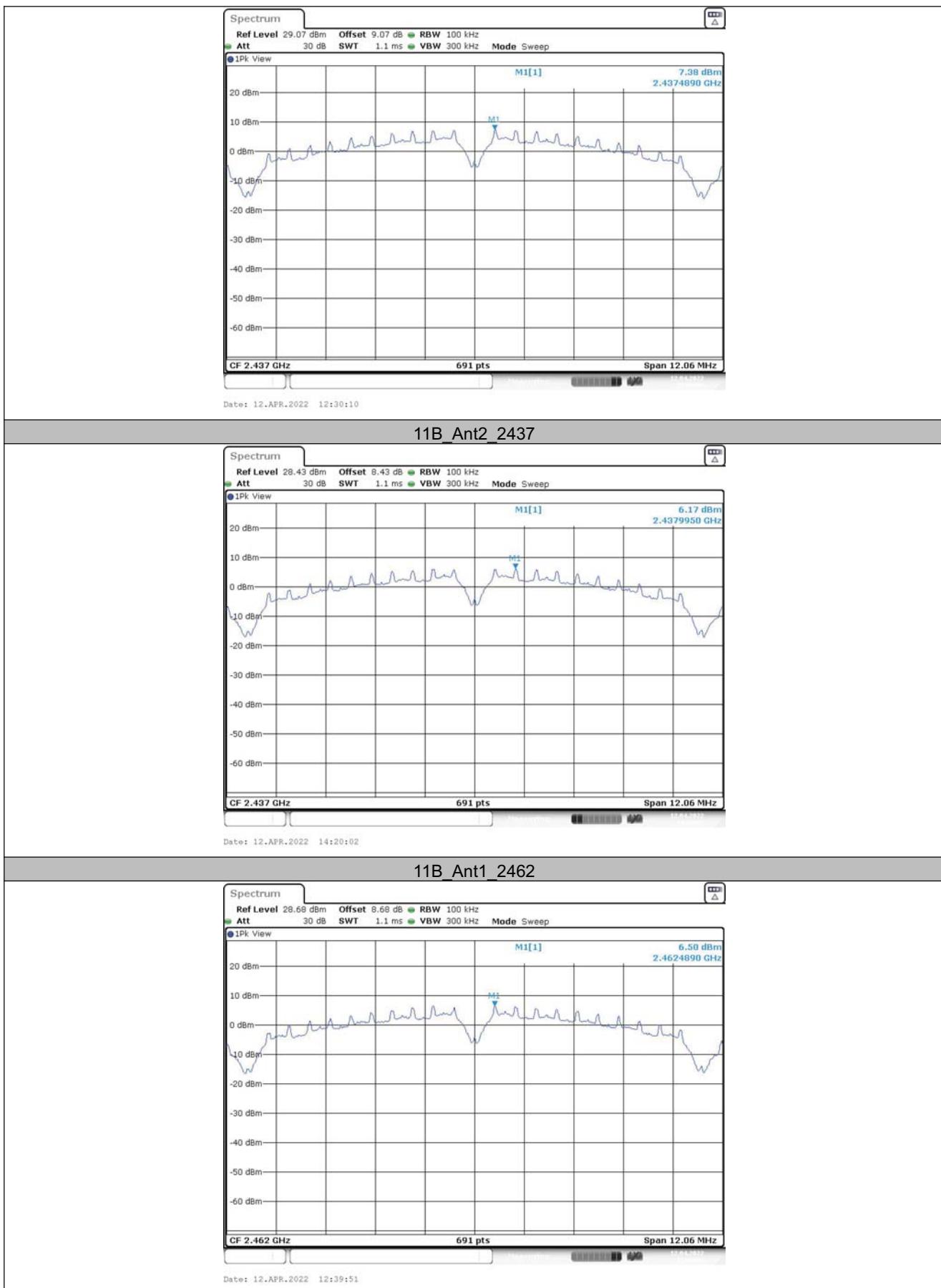
### 6.5.1 Test Result

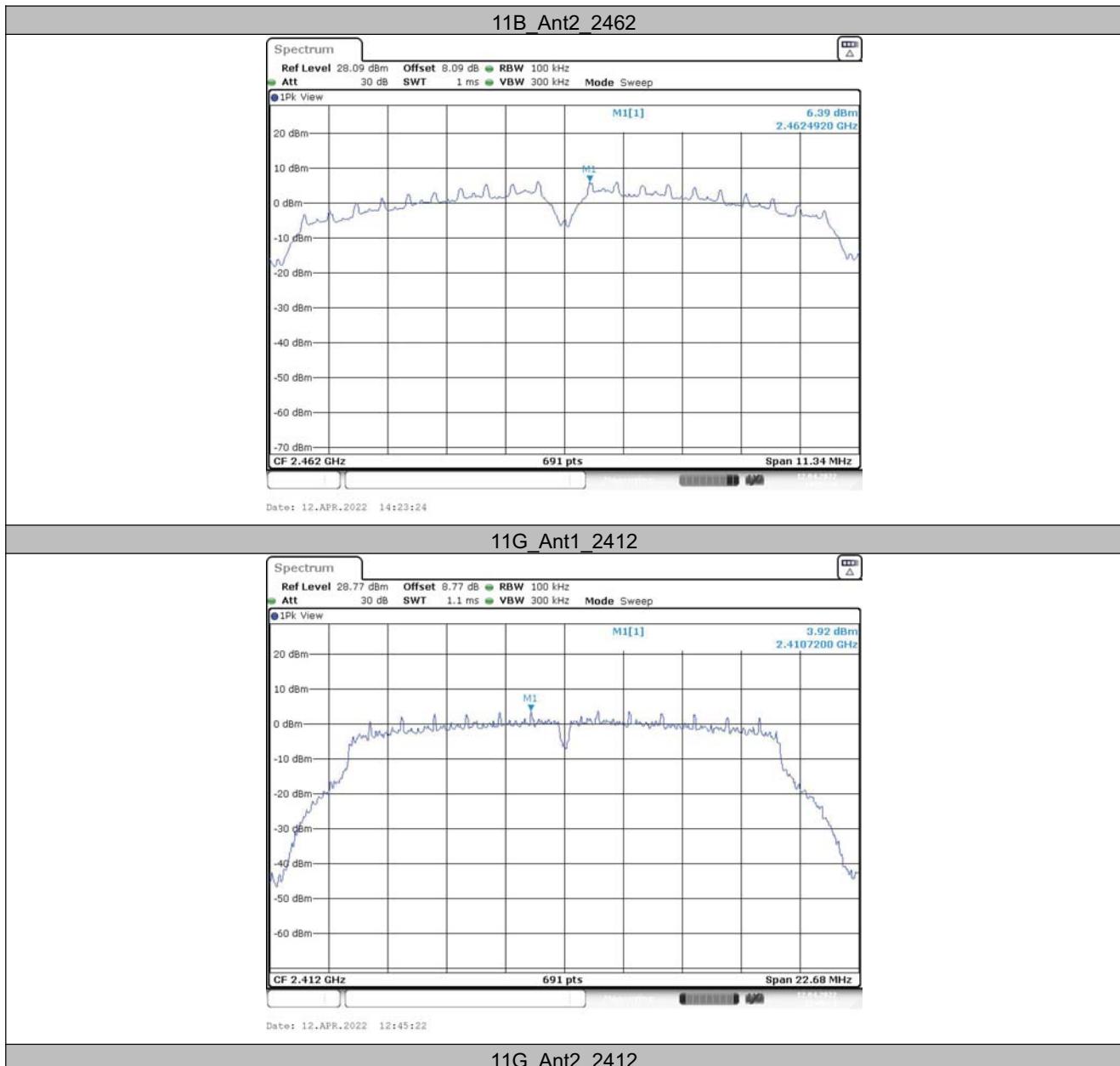
TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
11B	Ant1	2412	2412.49	5.92
	Ant2	2412	2411.49	5.84
	Ant1	2437	2437.49	7.38
	Ant2	2437	2438.00	6.17
	Ant1	2462	2462.49	6.50
	Ant2	2462	2462.49	6.39
11G	Ant1	2412	2410.72	3.92
	Ant2	2412	2410.74	3.76
	Ant1	2437	2438.27	4.57
	Ant2	2437	2438.28	3.61
	Ant1	2462	2464.50	3.79
	Ant2	2462	2460.74	3.17
11N20MIMO	Ant1	2412	2413.27	0.35
	Ant2	2412	2410.74	-0.23
	Ant1	2437	2435.73	0.70
	Ant2	2437	2435.74	-0.36
	Ant1	2462	2460.75	0.35
	Ant2	2462	2464.50	-0.50
11N40MIMO	Ant1	2422	2419.48	-1.73
	Ant2	2422	2419.48	-2.65
	Ant1	2437	2434.48	-1.34
	Ant2	2437	2434.52	-3.25
	Ant1	2452	2449.48	-1.87
	Ant2	2452	2455.75	-2.65
11AX40MIMO	Ant1	2422	2419.57	-2.98
	Ant2	2422	2419.49	-4.24
	Ant1	2437	2434.49	-2.47
	Ant2	2437	2434.48	-4.48
	Ant1	2452	2449.54	-2.96
	Ant2	2452	2467.00	-3.56

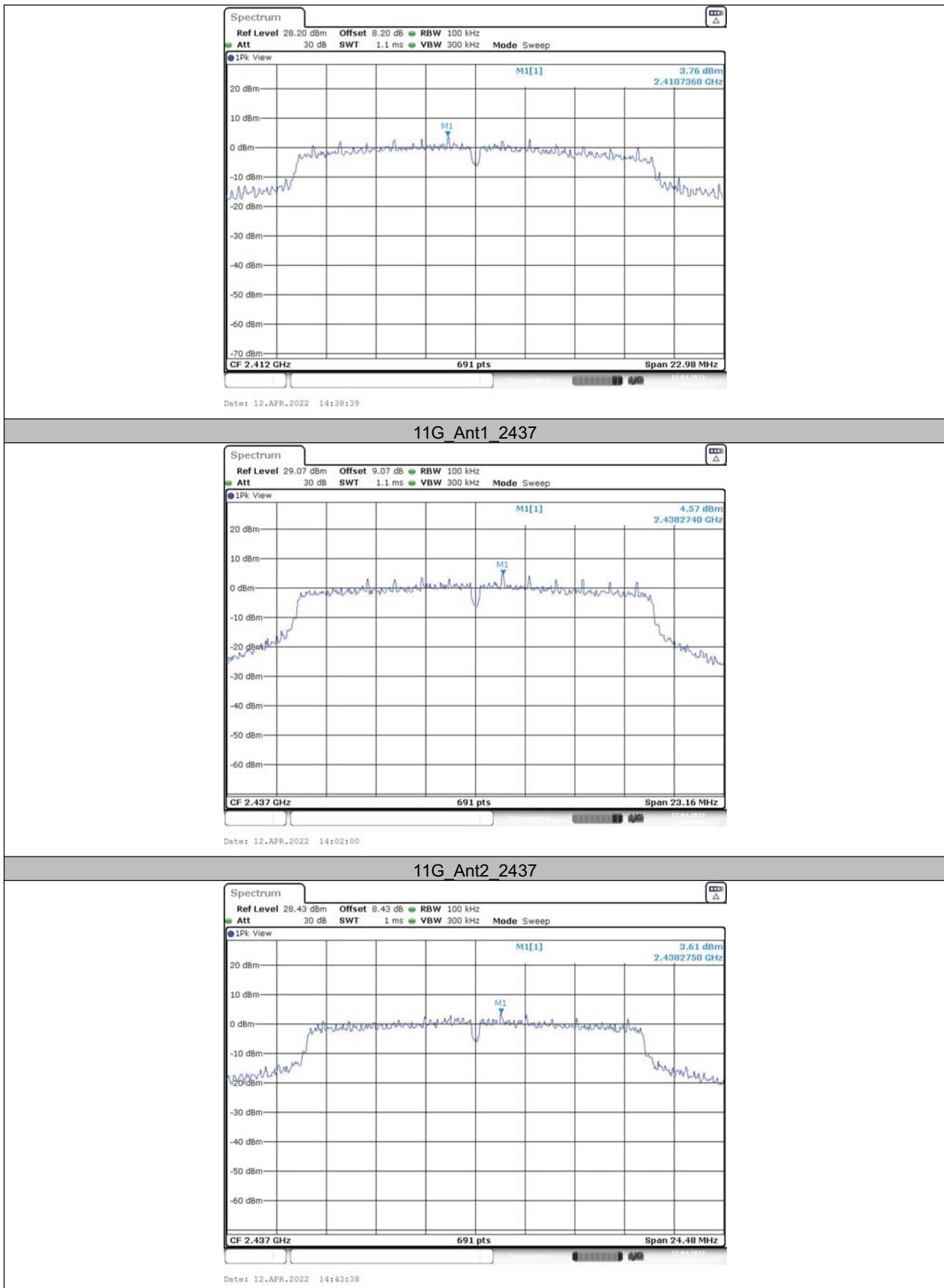
TestMode	Antenna	Freq(MHz)	Max.Point[MHz]	Result[dBm]
BLE_1M	Ant1	2402	2401.99	5.91
		2440	2439.99	5.73
		2480	2479.99	5.85

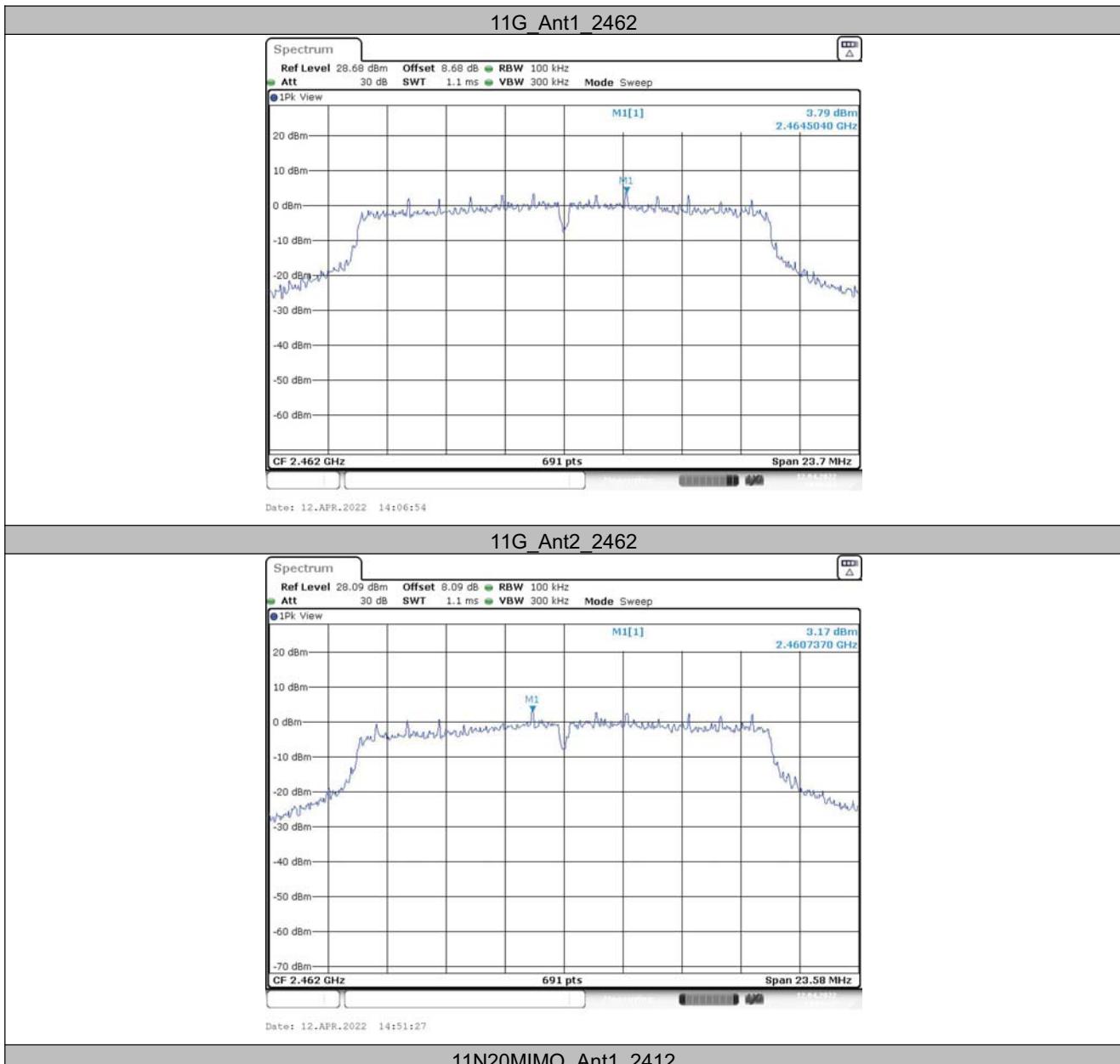
### 6.5.2 Test Graphs

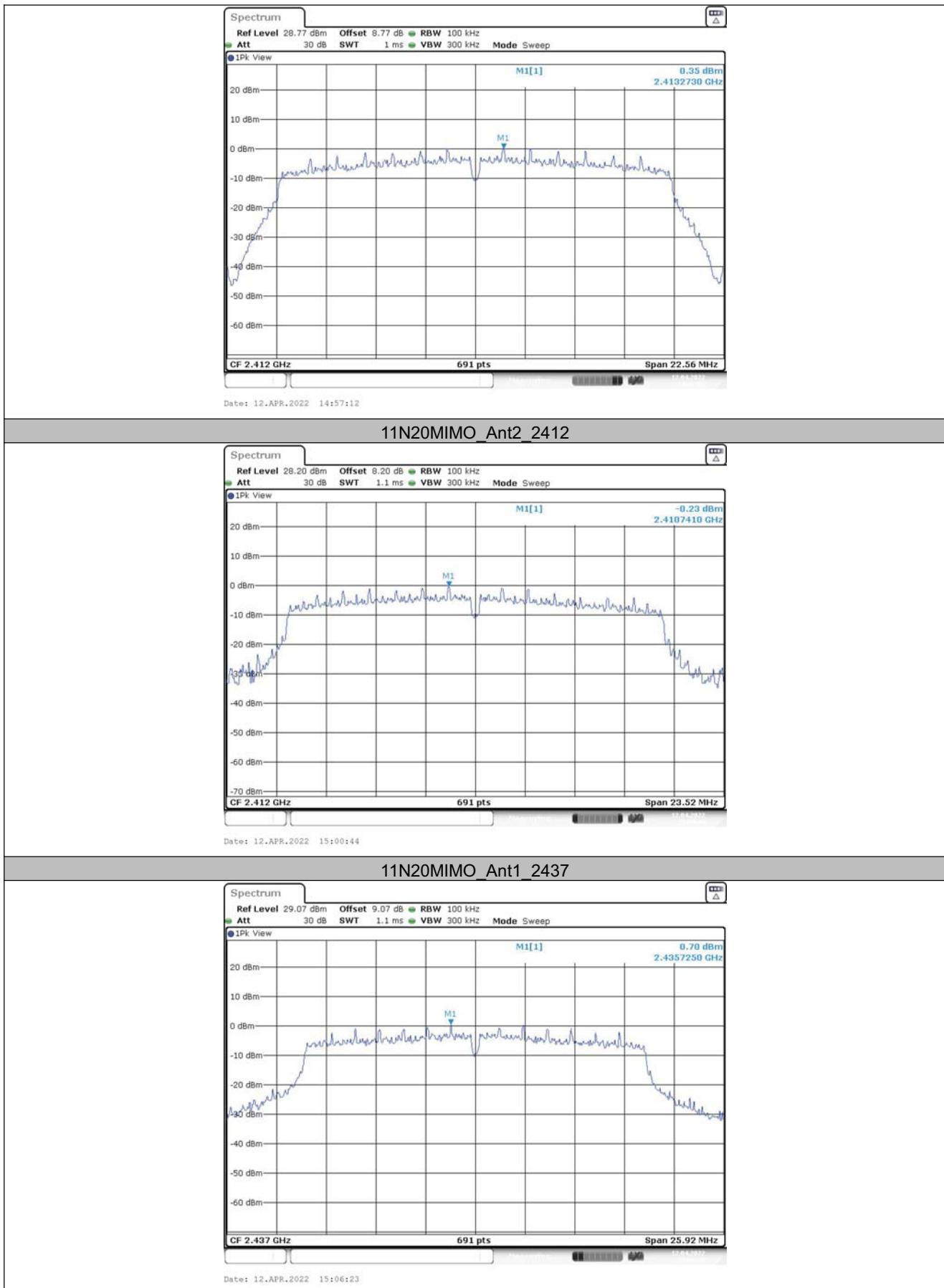


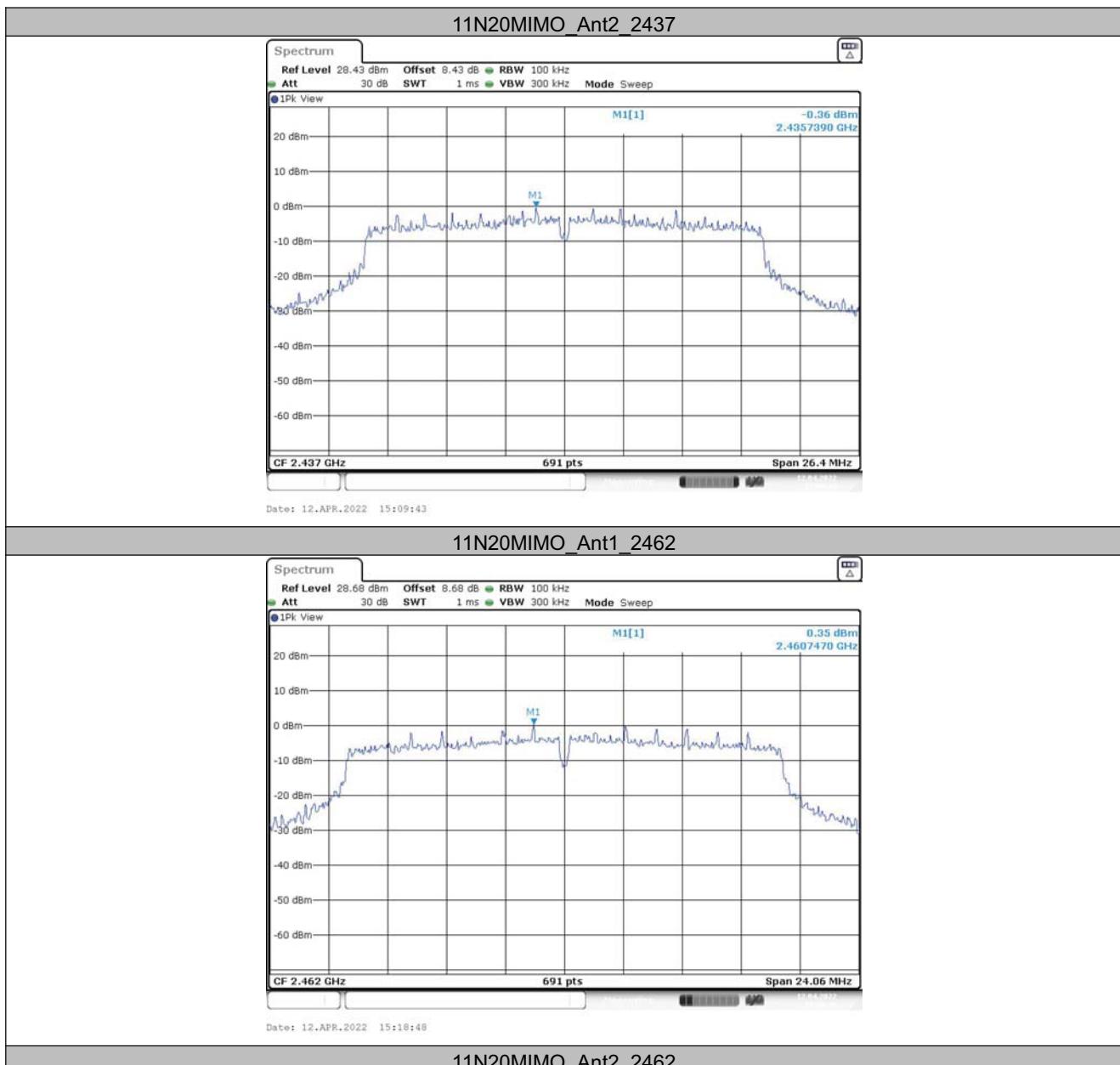


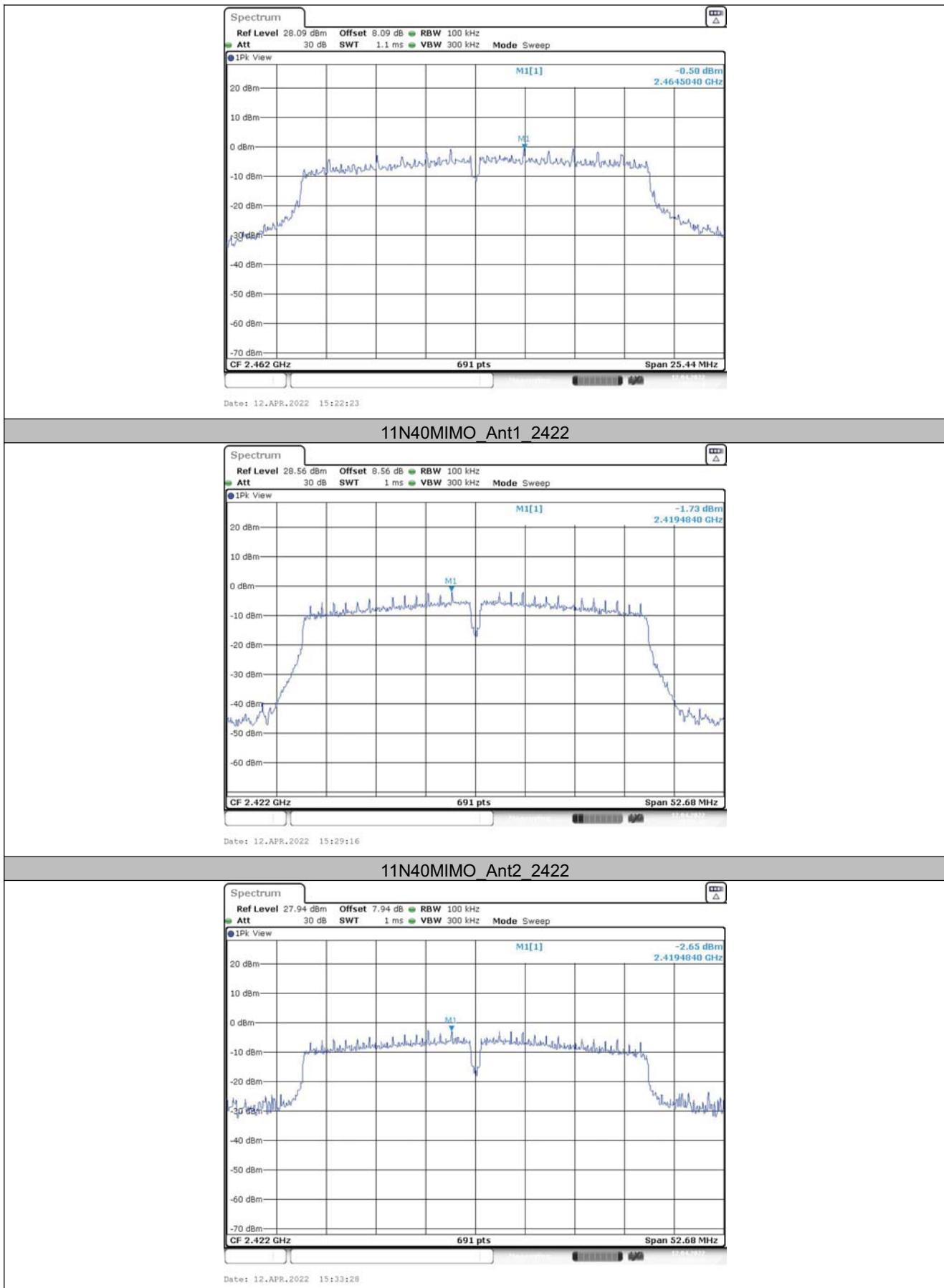


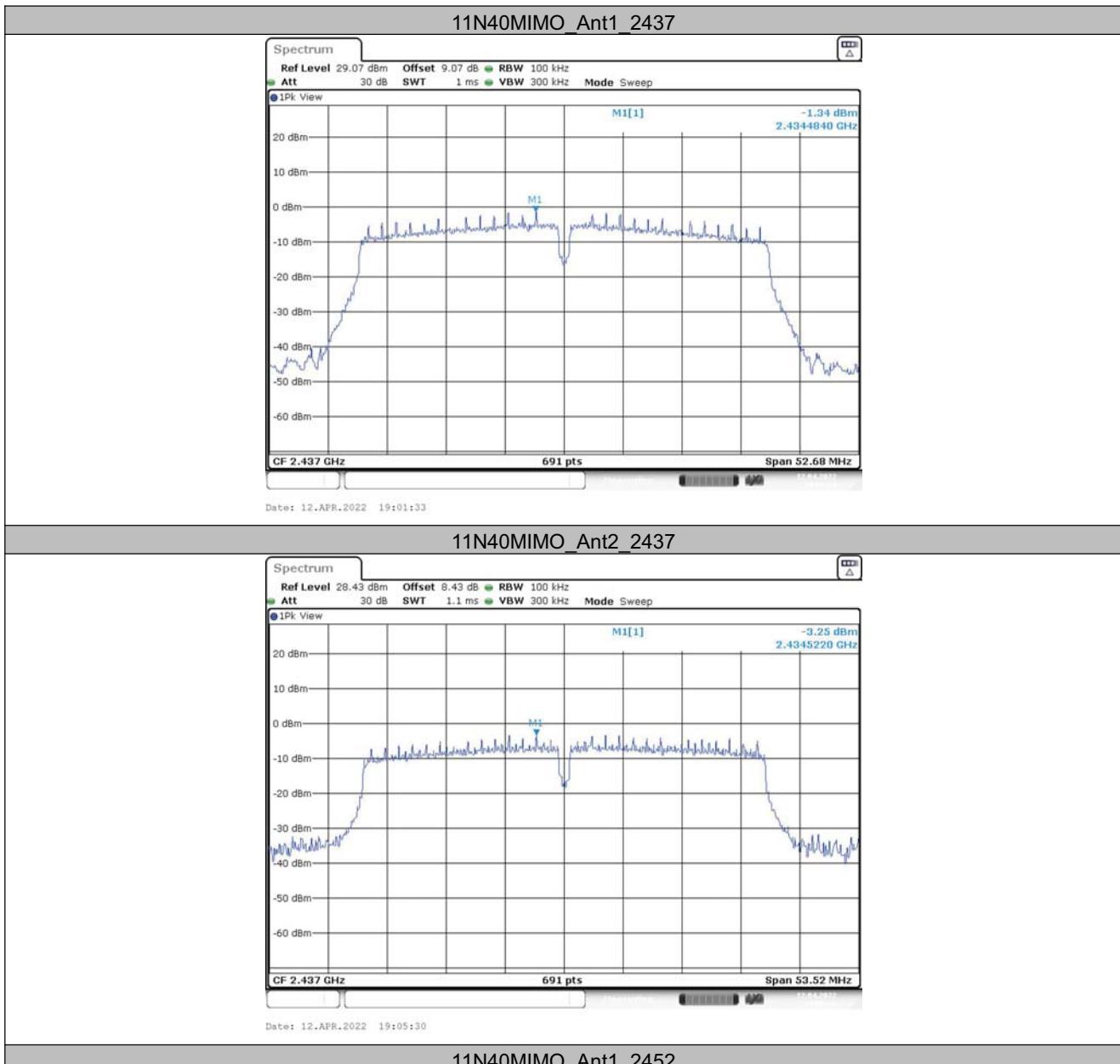


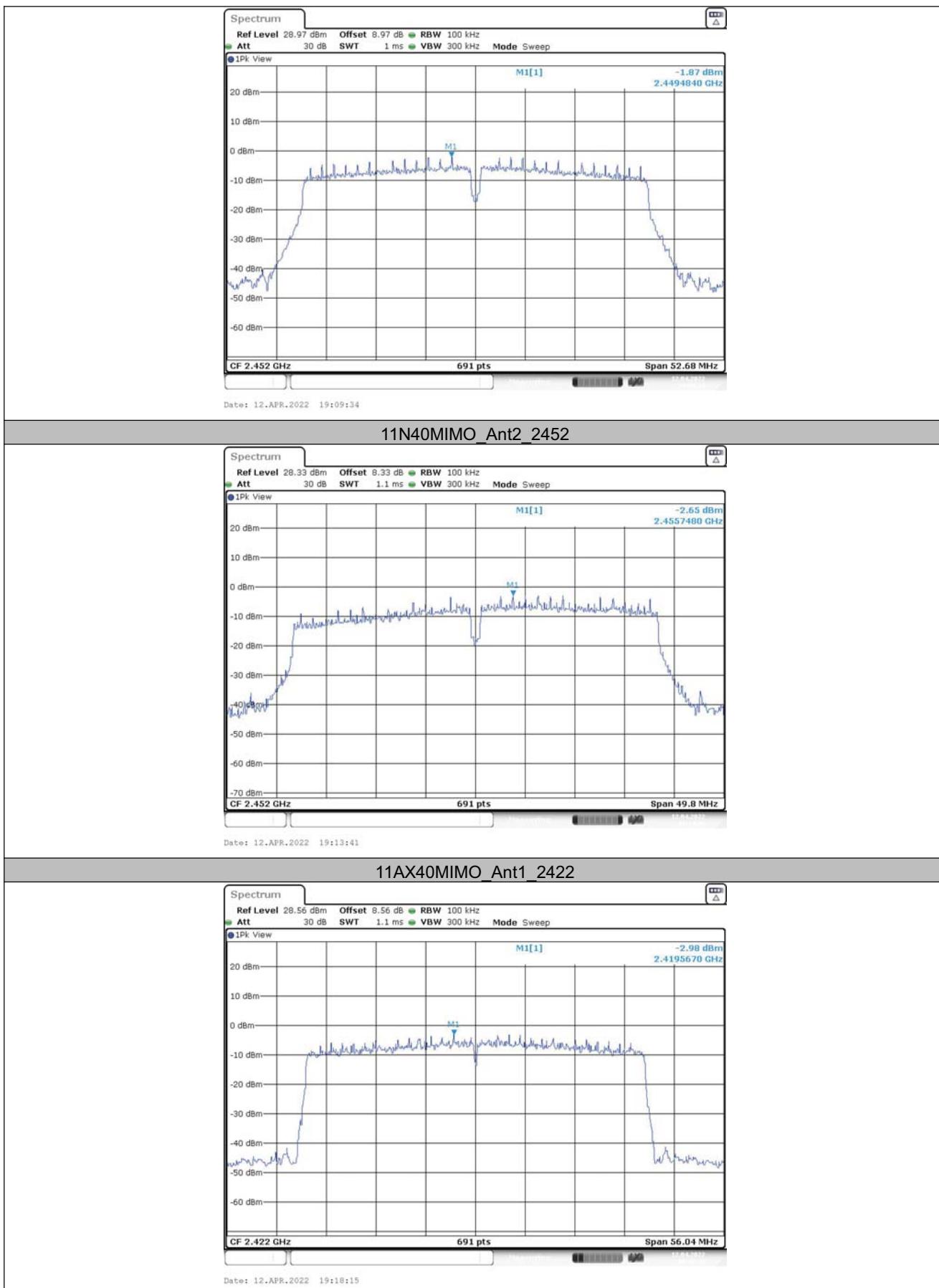


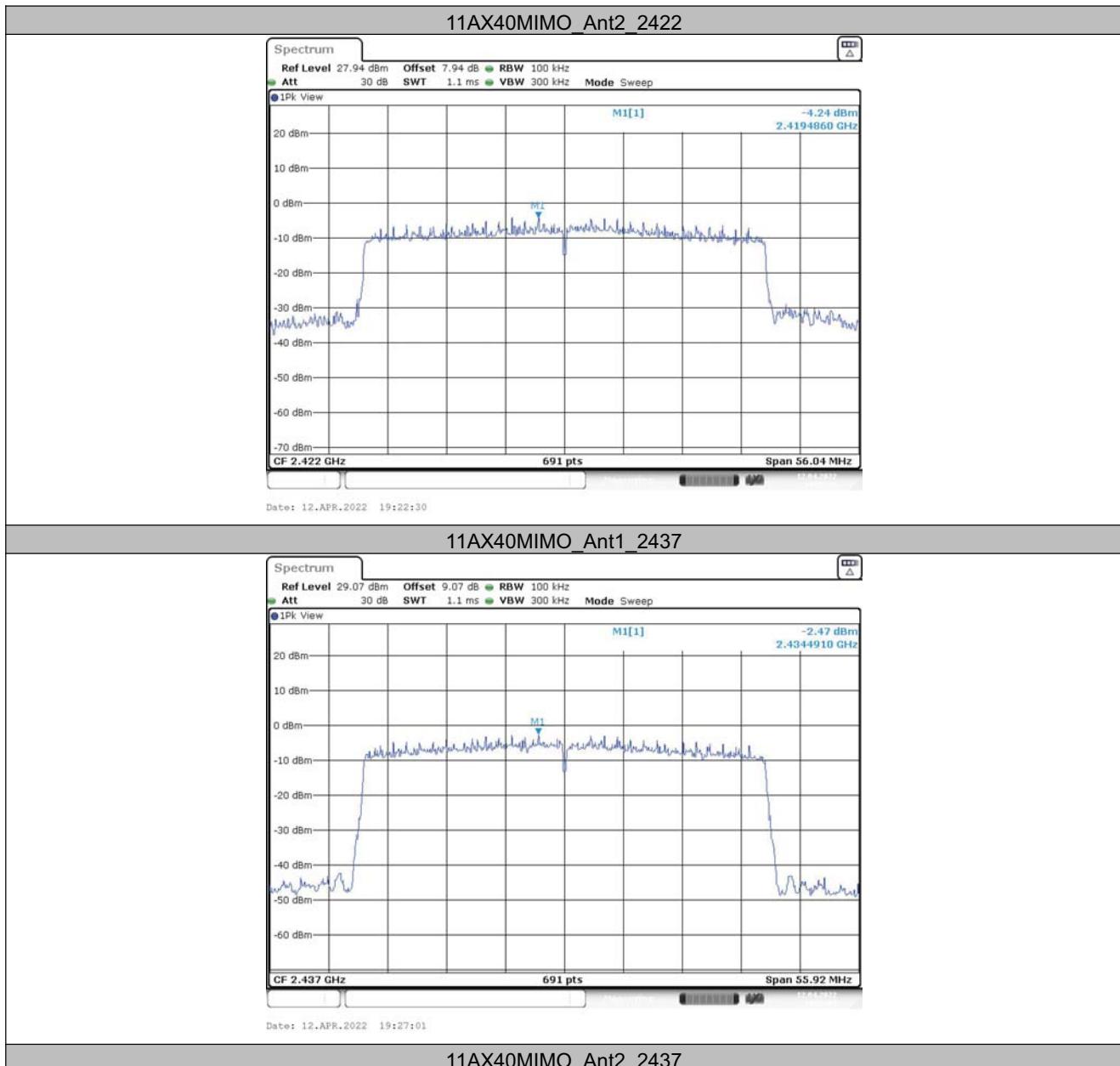


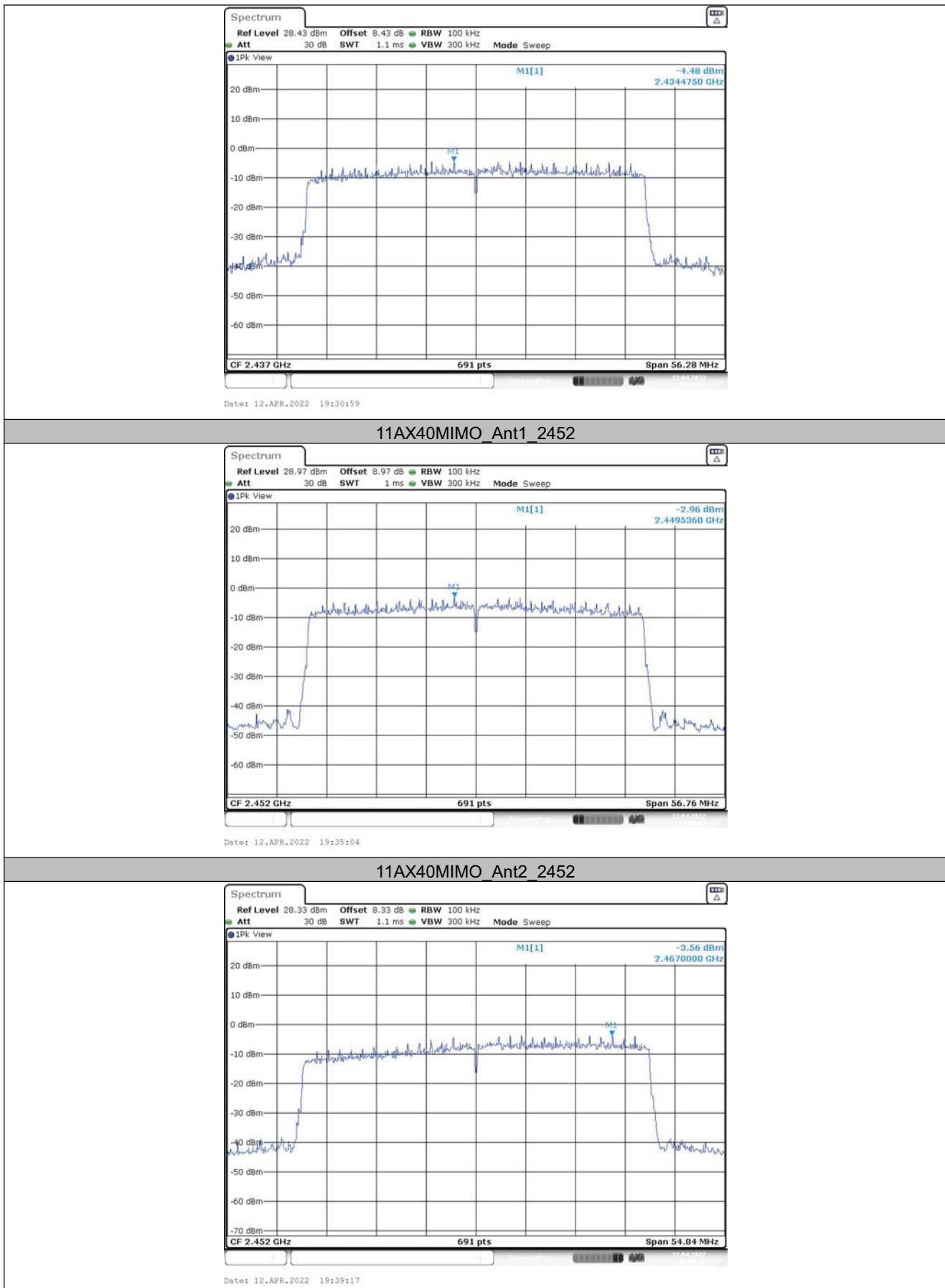


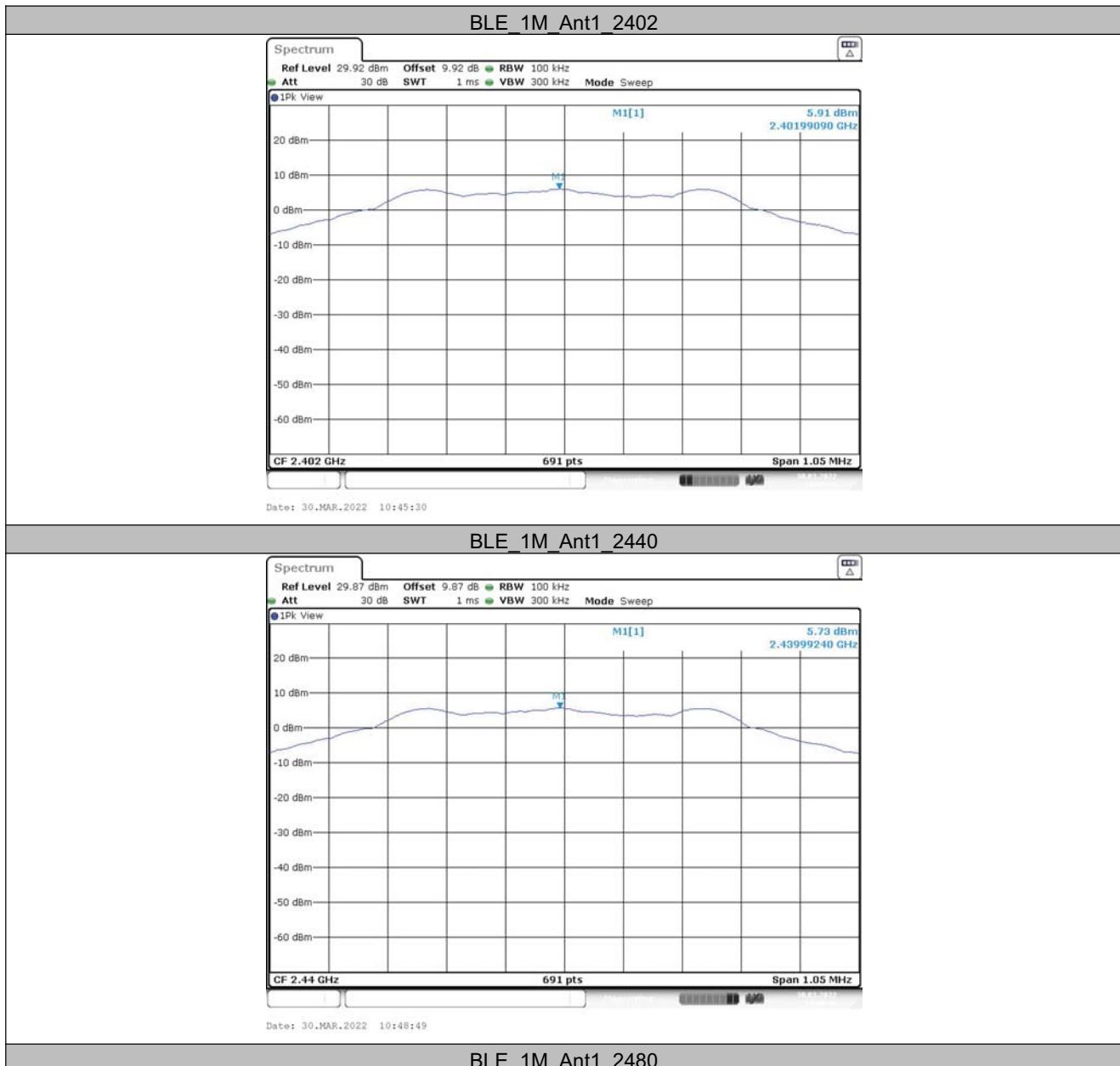


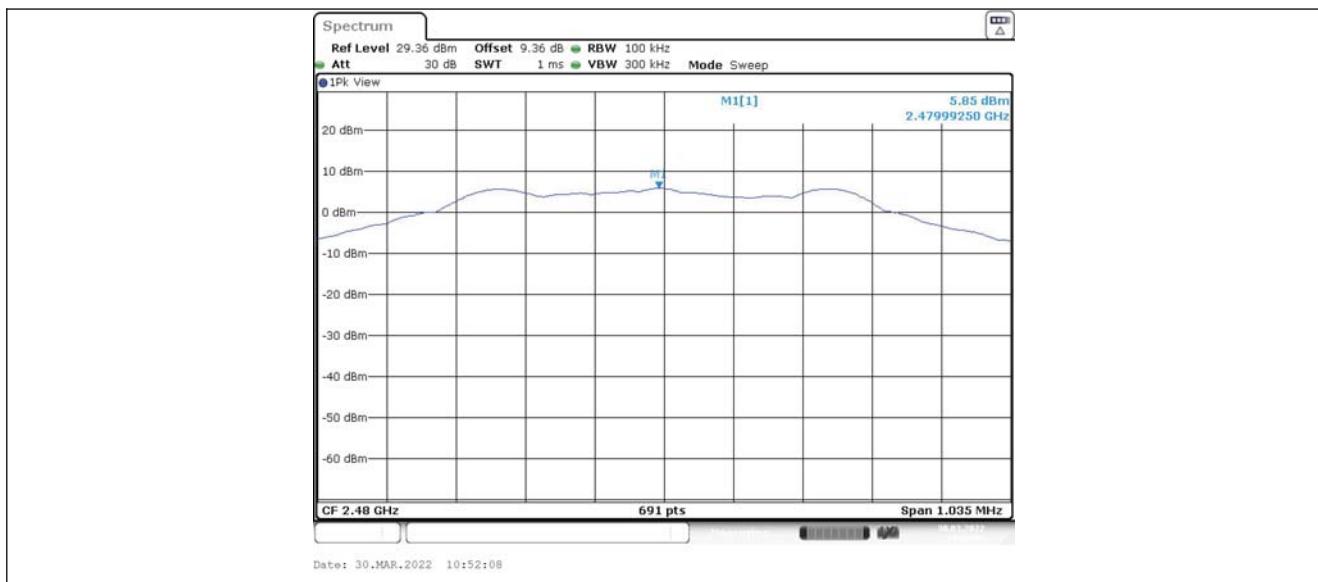














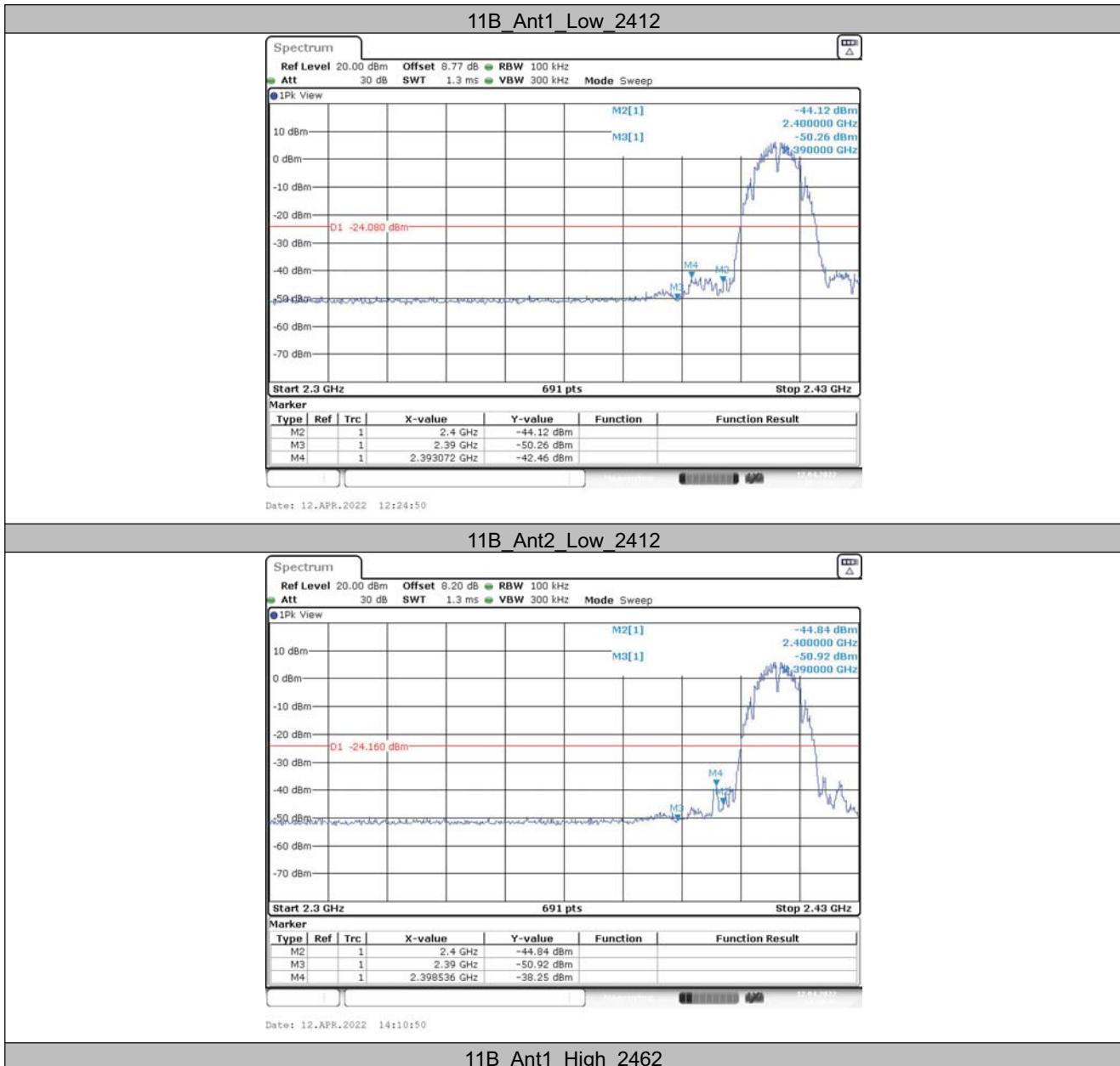
## 6.6 Band edge measurements

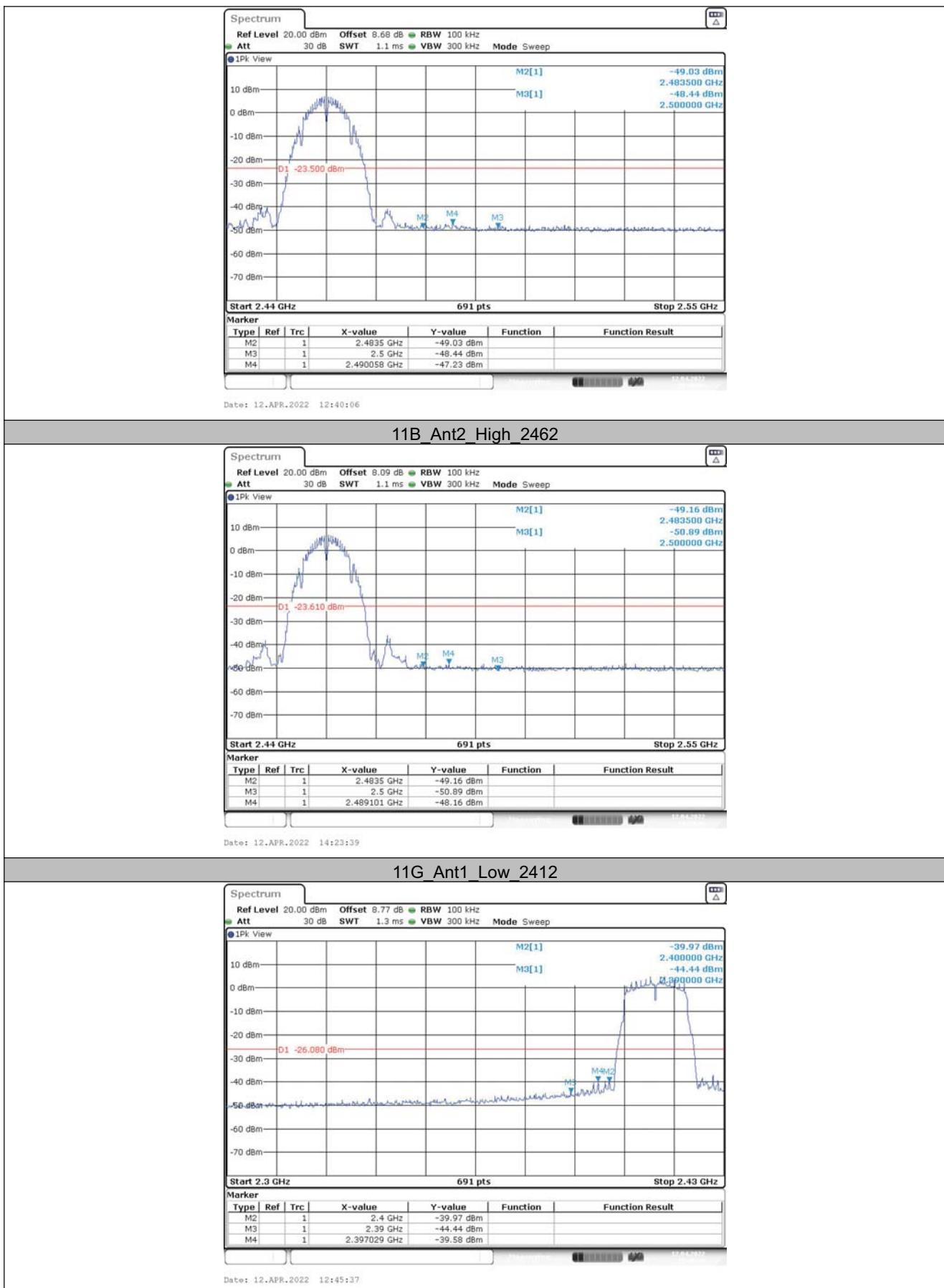
### 6.6.1 Test Result

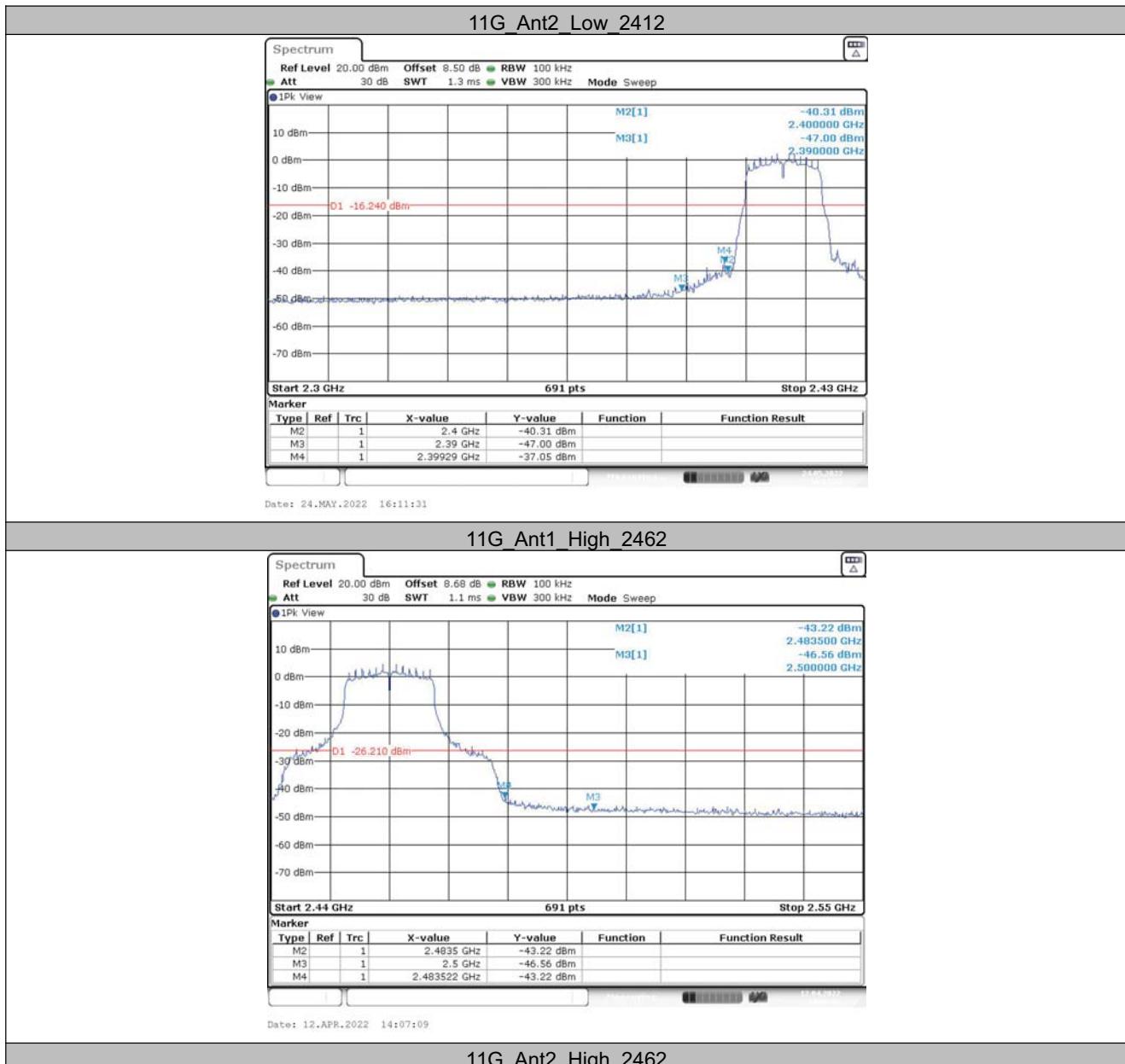
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	5.92	-42.46	≤-24.08	PASS
	Ant2	Low	2412	5.84	-38.25	≤-24.16	PASS
	Ant1	High	2462	6.50	-47.23	≤-23.5	PASS
	Ant2	High	2462	6.39	-48.16	≤-23.61	PASS
11G	Ant1	Low	2412	3.92	-39.58	≤-26.08	PASS
	Ant2	Low	2412	3.76	-14.57	≤-37.25	PASS
	Ant1	High	2462	3.79	-43.22	≤-26.21	PASS
	Ant2	High	2462	3.17	-42.83	≤-26.83	PASS
11N20MIMO	Ant1	Low	2412	0.35	-41.82	≤-19.65	PASS
	Ant2	Low	2412	-0.23	-25.23	≤-20.23	PASS
	Ant1	High	2462	0.35	-46.43	≤-19.65	PASS
	Ant2	High	2462	-0.50	-47.76	≤-20.5	PASS
11N40MIMO	Ant1	Low	2422	-1.73	-39.88	≤-21.73	PASS
	Ant2	Low	2422	-2.65	-24.99	≤-22.65	PASS
	Ant1	High	2452	-1.87	-45.64	≤-21.87	PASS
	Ant2	High	2452	-2.65	-41.4	≤-22.65	PASS
11AX40MIMO	Ant1	Low	2422	-2.98	-43.07	≤-22.98	PASS
	Ant2	Low	2422	-4.24	-31.66	≤-24.24	PASS
	Ant1	High	2452	-2.96	-43.23	≤-22.96	PASS
	Ant2	High	2452	-3.56	-43.31	≤-23.56	PASS

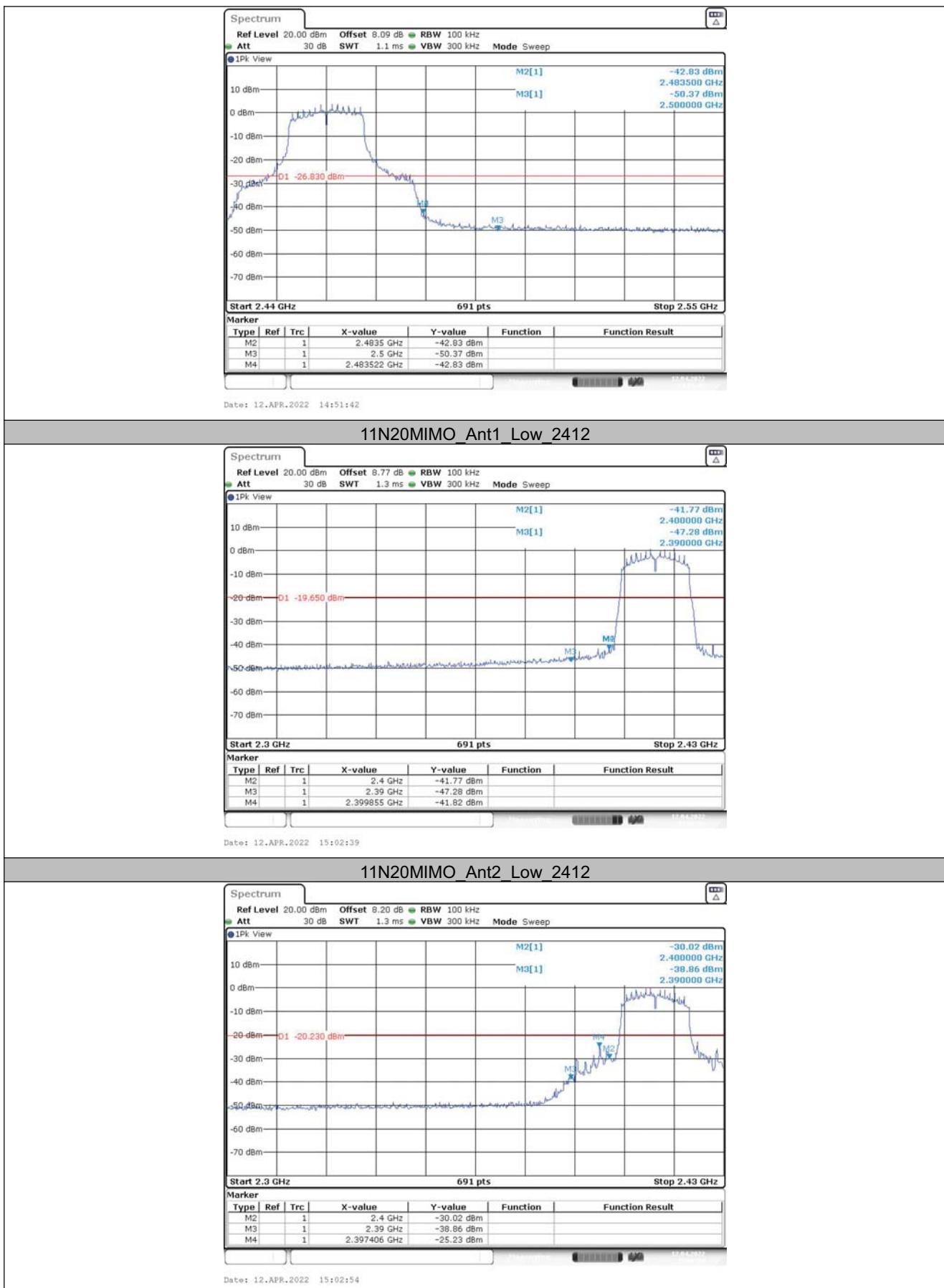
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	5.91	-48.14	≤-14.09	PASS
		High	2480	5.85	-47.48	≤-14.15	PASS

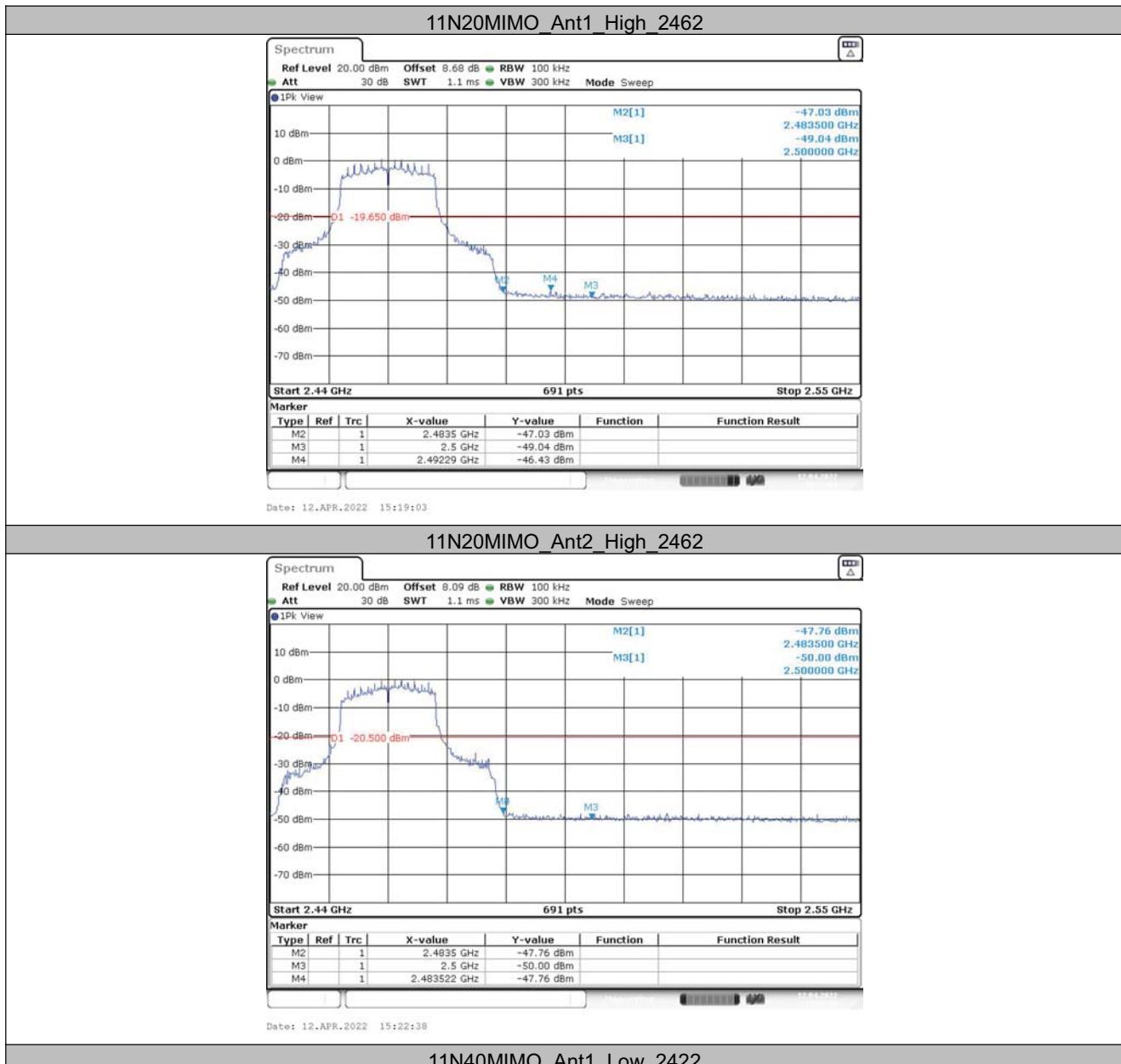
## 6.6.2 Test Graphs









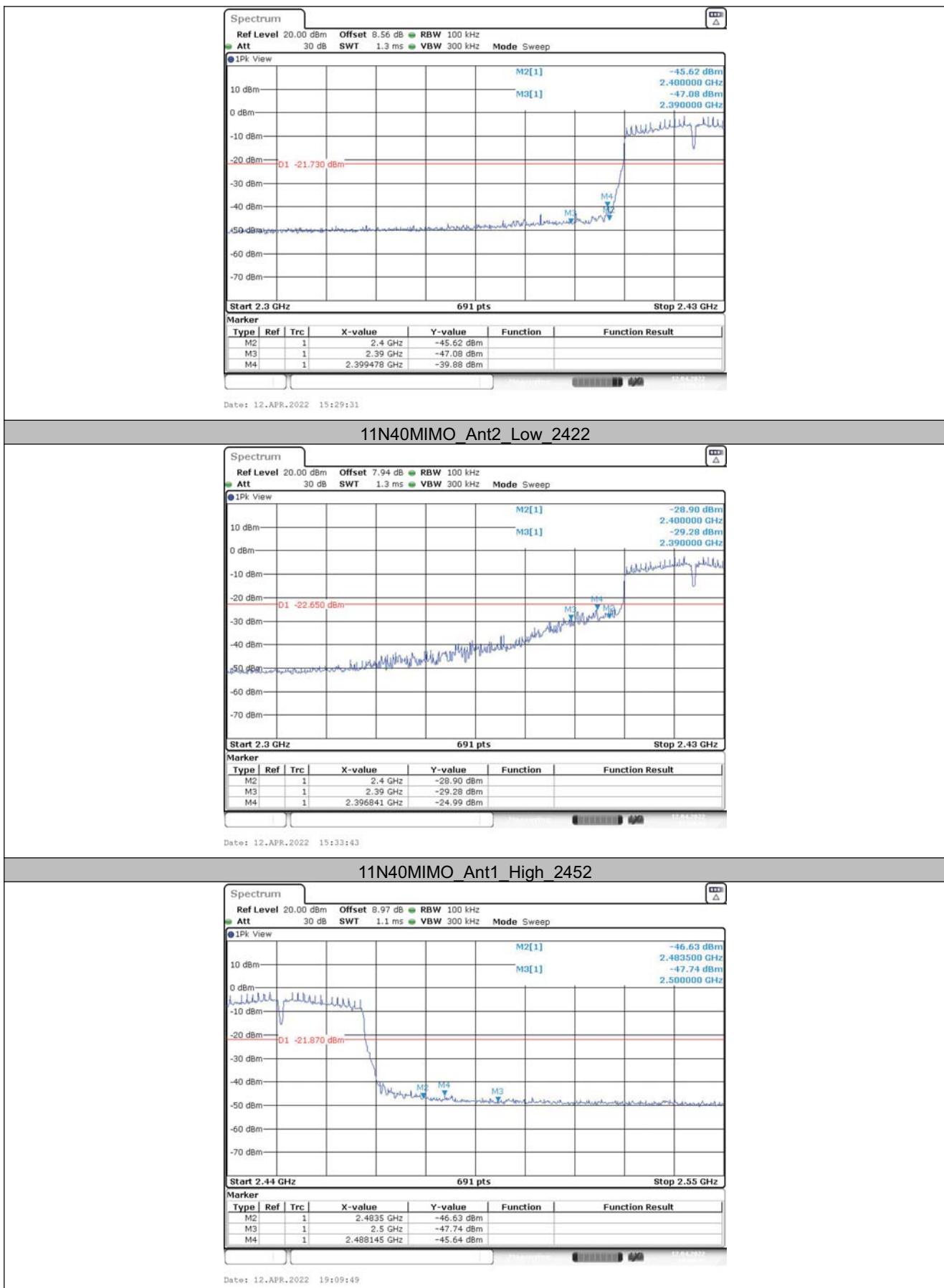


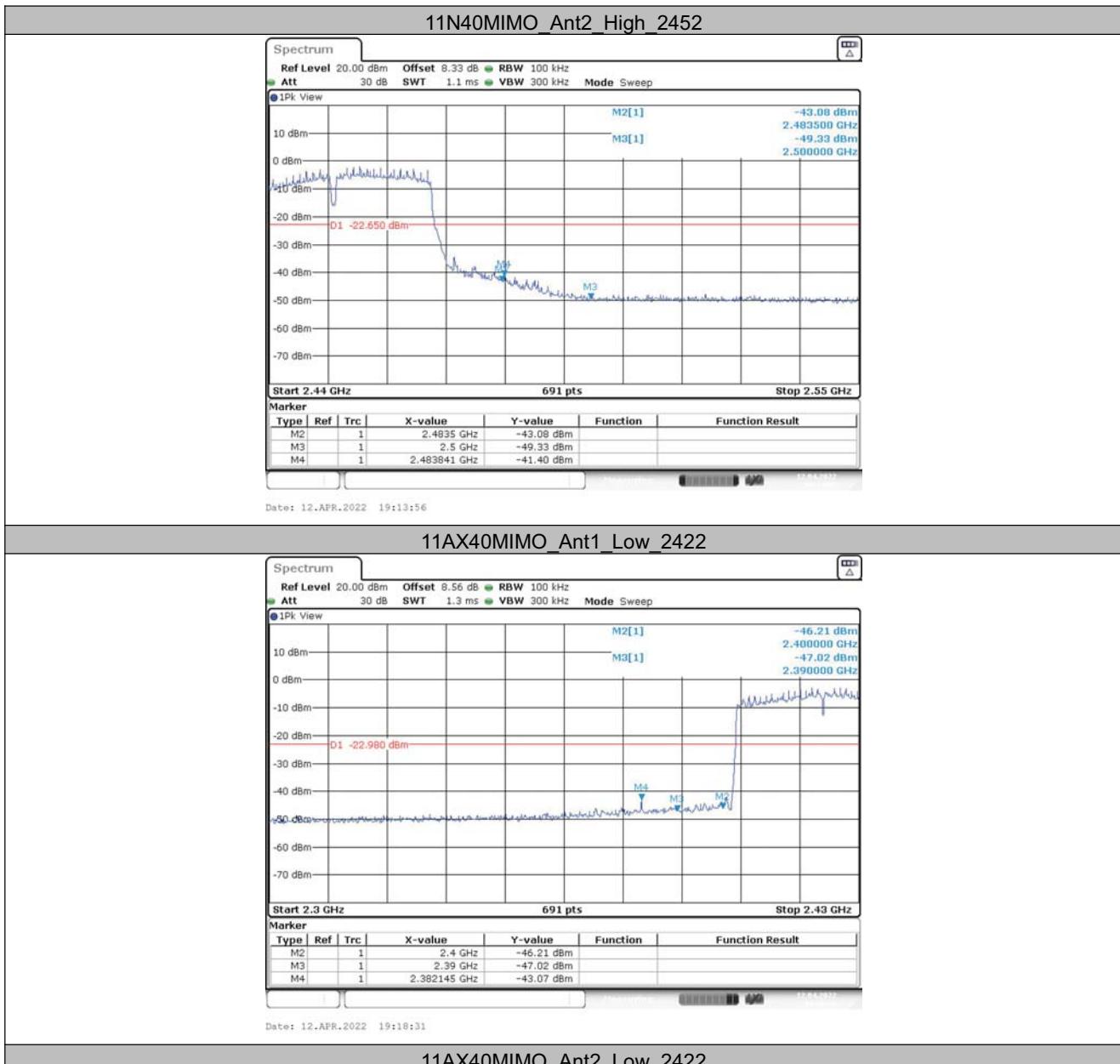


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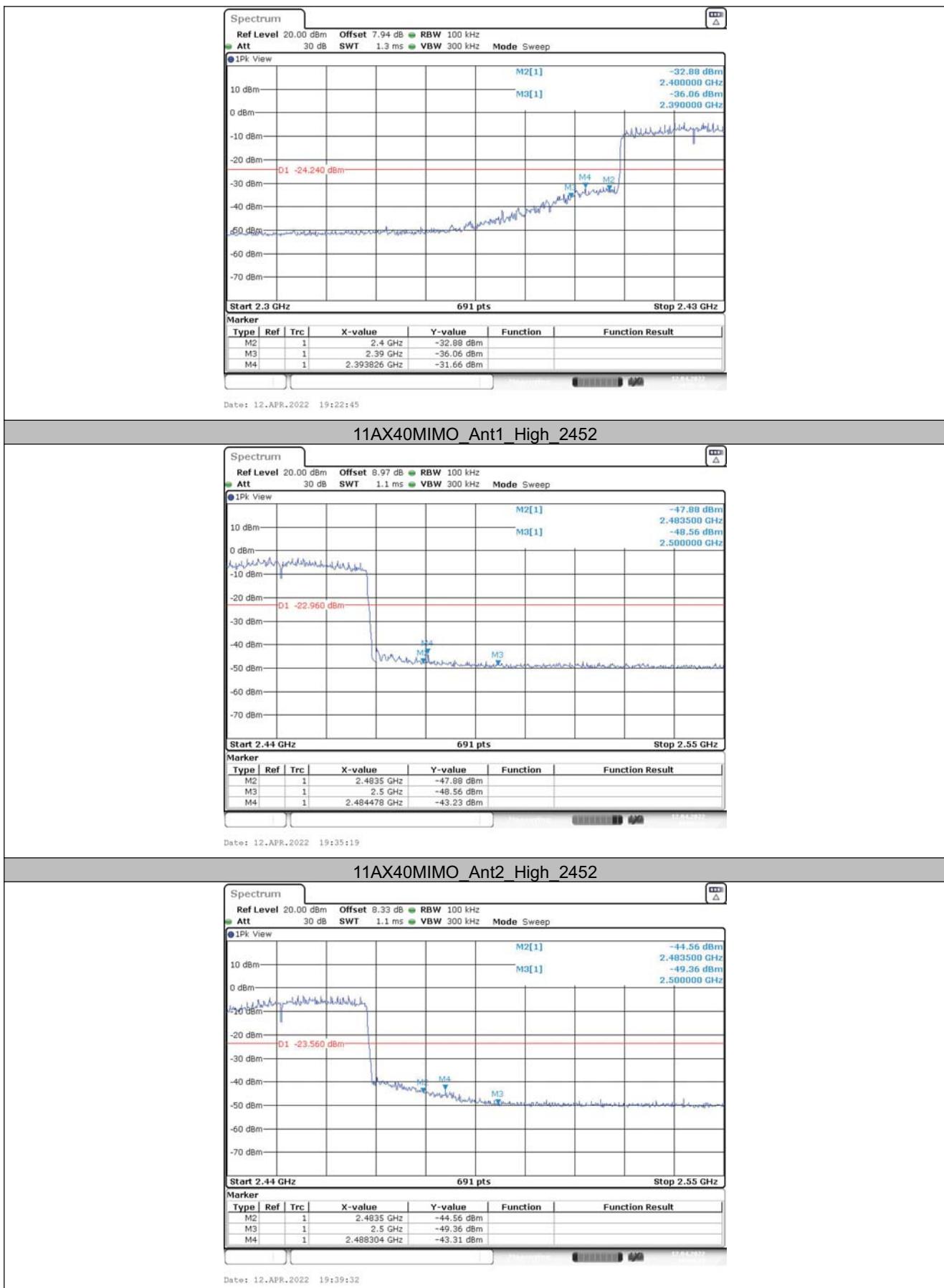




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## 6.7 OUT OF BAND EMISSION MEASUREMENT

### 6.7.1 Test Result

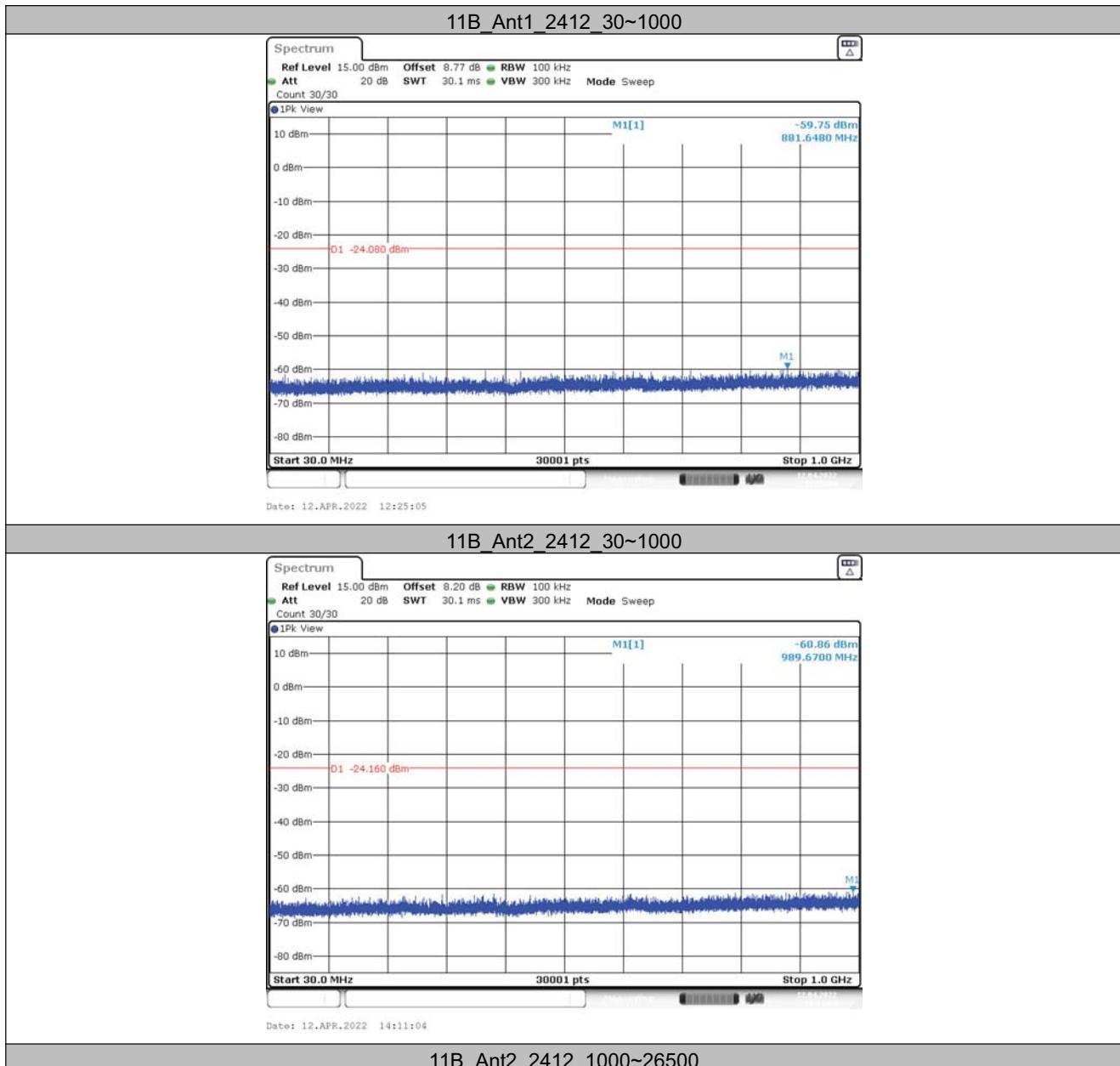
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	30~1000	5.92	-59.75	≤-24.08	PASS
			30~1000	5.84	-60.86	≤-24.16	PASS
	Ant2	2412	1000~26500	5.84	-49.22	≤-24.16	PASS
			30~1000	7.38	-59.1	≤-22.62	PASS
	Ant1	2437	1000~26500	7.38	-48.87	≤-22.62	PASS
			30~1000	6.17	-60.31	≤-23.83	PASS
	Ant2	2437	1000~26500	6.17	-49.05	≤-23.83	PASS
			30~1000	6.50	-60.36	≤-23.5	PASS
	Ant1	2462	1000~26500	6.50	-48.33	≤-23.5	PASS
			30~1000	6.39	-60.03	≤-23.61	PASS
	Ant2	2462	1000~26500	6.39	-49.36	≤-23.61	PASS
			30~1000	3.92	-60.22	≤-26.08	PASS
11G	Ant1	2412	1000~26500	3.92	-48.95	≤-26.08	PASS
			30~1000	3.76	-60.63	≤-26.24	PASS
	Ant2	2412	1000~26500	3.76	-49.71	≤-26.24	PASS
			30~1000	4.57	-59.93	≤-25.43	PASS
	Ant1	2437	1000~26500	4.57	-48.26	≤-25.43	PASS
			30~1000	3.61	-60.06	≤-26.39	PASS
	Ant2	2437	1000~26500	3.61	-49.11	≤-26.39	PASS
			30~1000	3.79	-59.44	≤-26.21	PASS
	Ant1	2462	1000~26500	3.79	-47.13	≤-26.21	PASS
			30~1000	3.17	-60.49	≤-26.83	PASS
	Ant2	2462	1000~26500	3.17	-49.91	≤-26.83	PASS
11N20MIMO	Ant1	2412	30~1000	0.35	-59.78	≤-29.65	PASS
			1000~26500	0.35	-49.02	≤-29.65	PASS
	Ant2	2412	30~1000	-0.23	-59.41	≤-30.23	PASS
			1000~26500	-0.23	-49.71	≤-30.23	PASS
	Ant1	2437	30~1000	0.70	-59.62	≤-29.3	PASS
			1000~26500	0.70	-48.38	≤-29.3	PASS
	Ant2	2437	30~1000	-0.36	-60.36	≤-30.36	PASS
			1000~26500	-0.36	-49.51	≤-30.36	PASS
	Ant1	2462	30~1000	0.35	-60.17	≤-29.65	PASS
			1000~26500	0.35	-49.17	≤-29.65	PASS
	Ant2	2462	30~1000	-0.50	-60.58	≤-30.5	PASS
			1000~26500	-0.50	-49.27	≤-30.5	PASS
11N40MIMO	Ant1	2422	30~1000	-1.73	-59.86	≤-31.73	PASS
			1000~26500	-1.73	-48.58	≤-31.73	PASS
	Ant2	2422	30~1000	-2.65	-60.52	≤-32.65	PASS
			1000~26500	-2.65	-49.6	≤-32.65	PASS
	Ant1	2437	30~1000	-1.34	-58.96	≤-31.34	PASS
			1000~26500	-1.34	-47.96	≤-31.34	PASS
	Ant2	2437	30~1000	-3.25	-48.89	≤-33.25	PASS
			1000~26500	-3.25	-48.76	≤-33.25	PASS
	Ant1	2452	30~1000	-1.87	-60.18	≤-31.87	PASS
			1000~26500	-1.87	-48.91	≤-31.87	PASS
	Ant2	2452	30~1000	-2.65	-60.41	≤-32.65	PASS

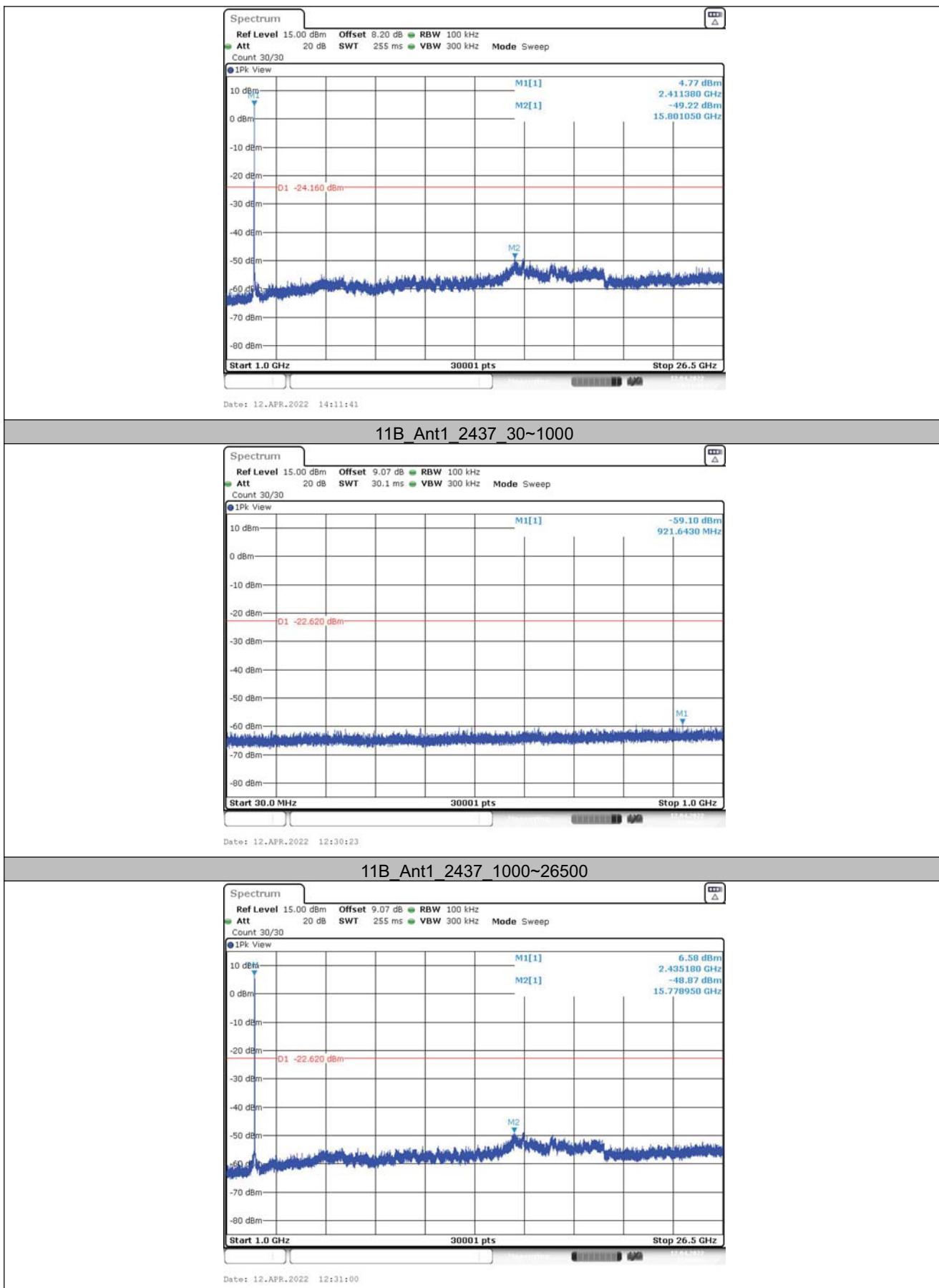


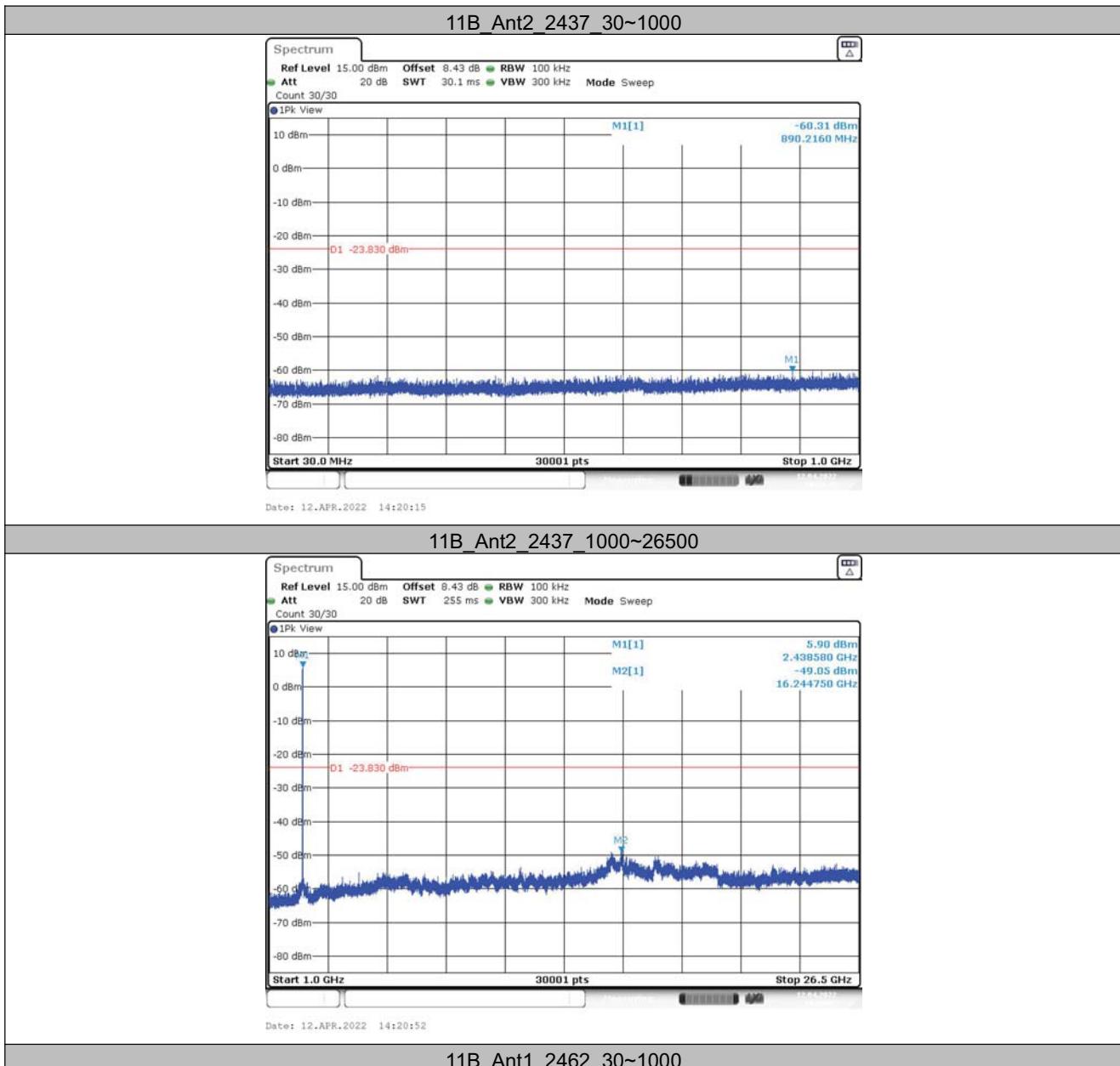
			1000~26500	-2.65	-49.13	≤-32.65	PASS
11AX40MIMO	Ant1	2422	30~1000	-2.98	-60.01	≤-32.98	PASS
			1000~26500	-2.98	-48.93	≤-32.98	PASS
	Ant2	2422	30~1000	-4.24	-60.57	≤-34.24	PASS
			1000~26500	-4.24	-48.84	≤-34.24	PASS
	Ant1	2437	30~1000	-2.47	-59.9	≤-32.47	PASS
			1000~26500	-2.47	-48.16	≤-32.47	PASS
	Ant2	2437	30~1000	-4.48	-60.18	≤-34.48	PASS
			1000~26500	-4.48	-47.63	≤-34.48	PASS
	Ant1	2452	30~1000	-2.96	-59.69	≤-32.96	PASS
			1000~26500	-2.96	-48.88	≤-32.96	PASS
	Ant2	2452	30~1000	-3.56	-60.27	≤-33.56	PASS
			1000~26500	-3.56	-48.21	≤-33.56	PASS

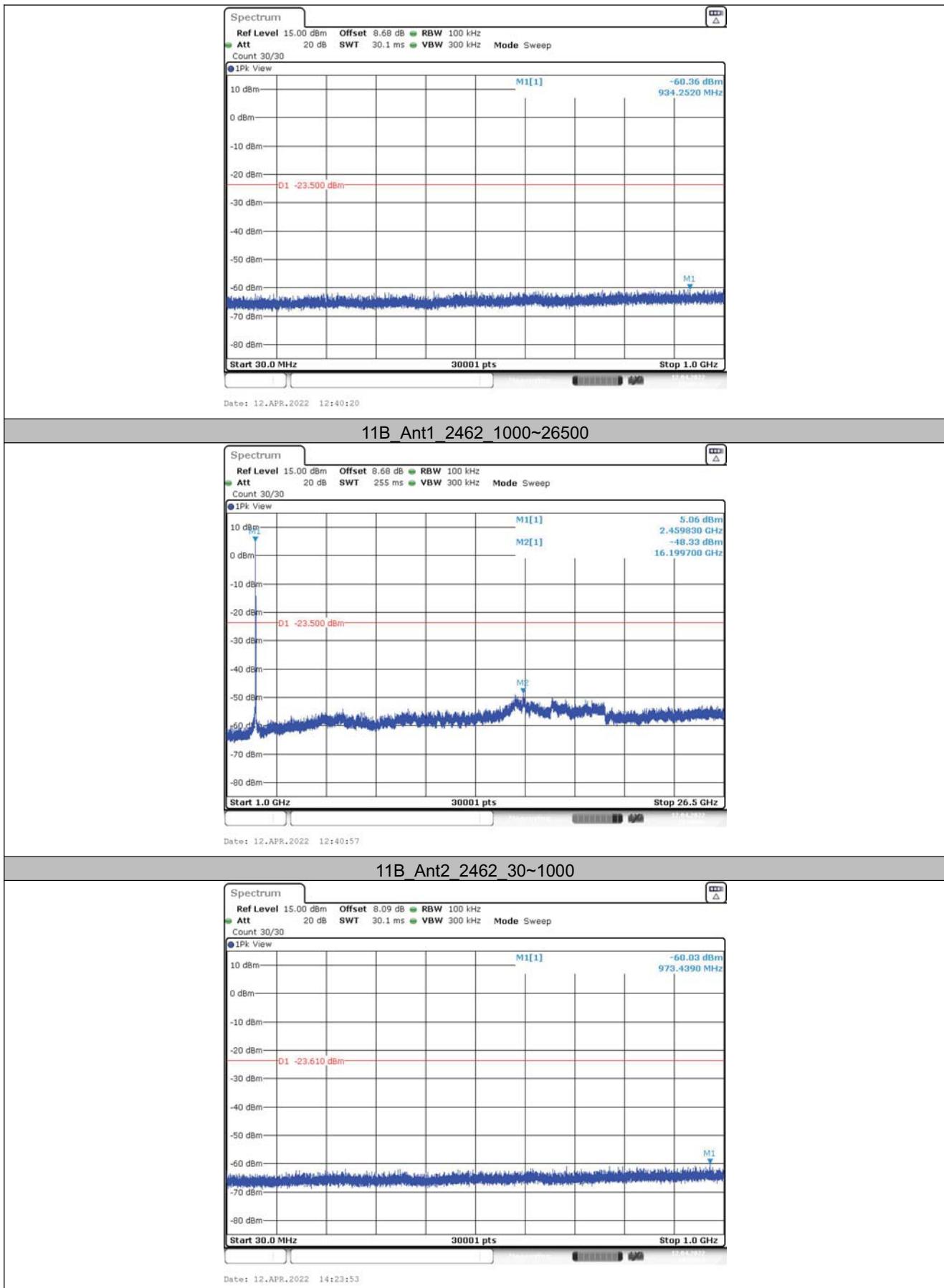
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	30~1000	5.91	-59.05	≤-14.09	PASS
			1000~26500	5.91	-47.86	≤-14.09	PASS
		2440	30~1000	5.73	-57.93	≤-14.27	PASS
			1000~26500	5.73	-48.09	≤-14.27	PASS
		2480	30~1000	5.85	-59.11	≤-14.15	PASS
			1000~26500	5.85	-48.15	≤-14.15	PASS

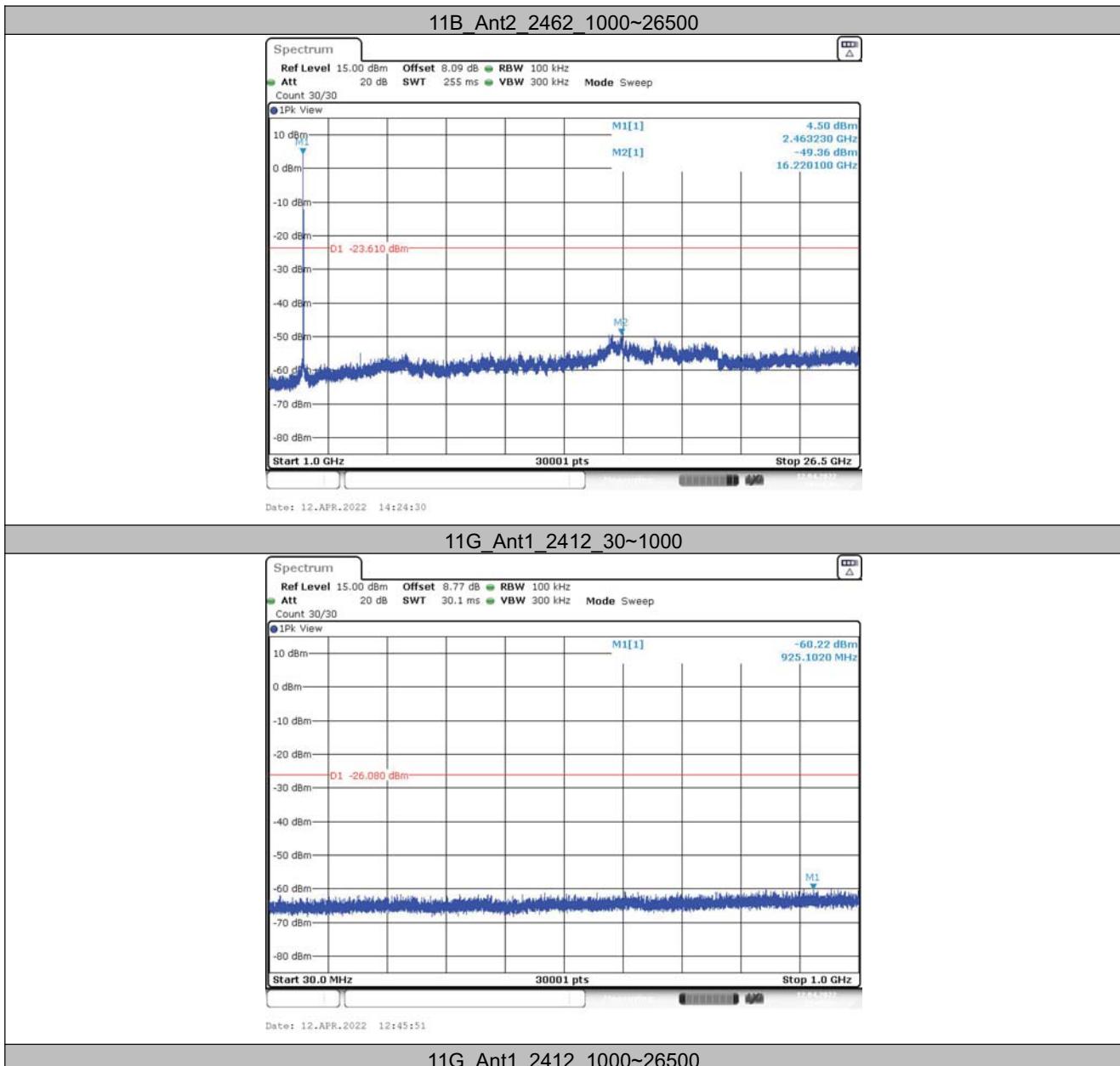
### 6.7.2 Test Graphs

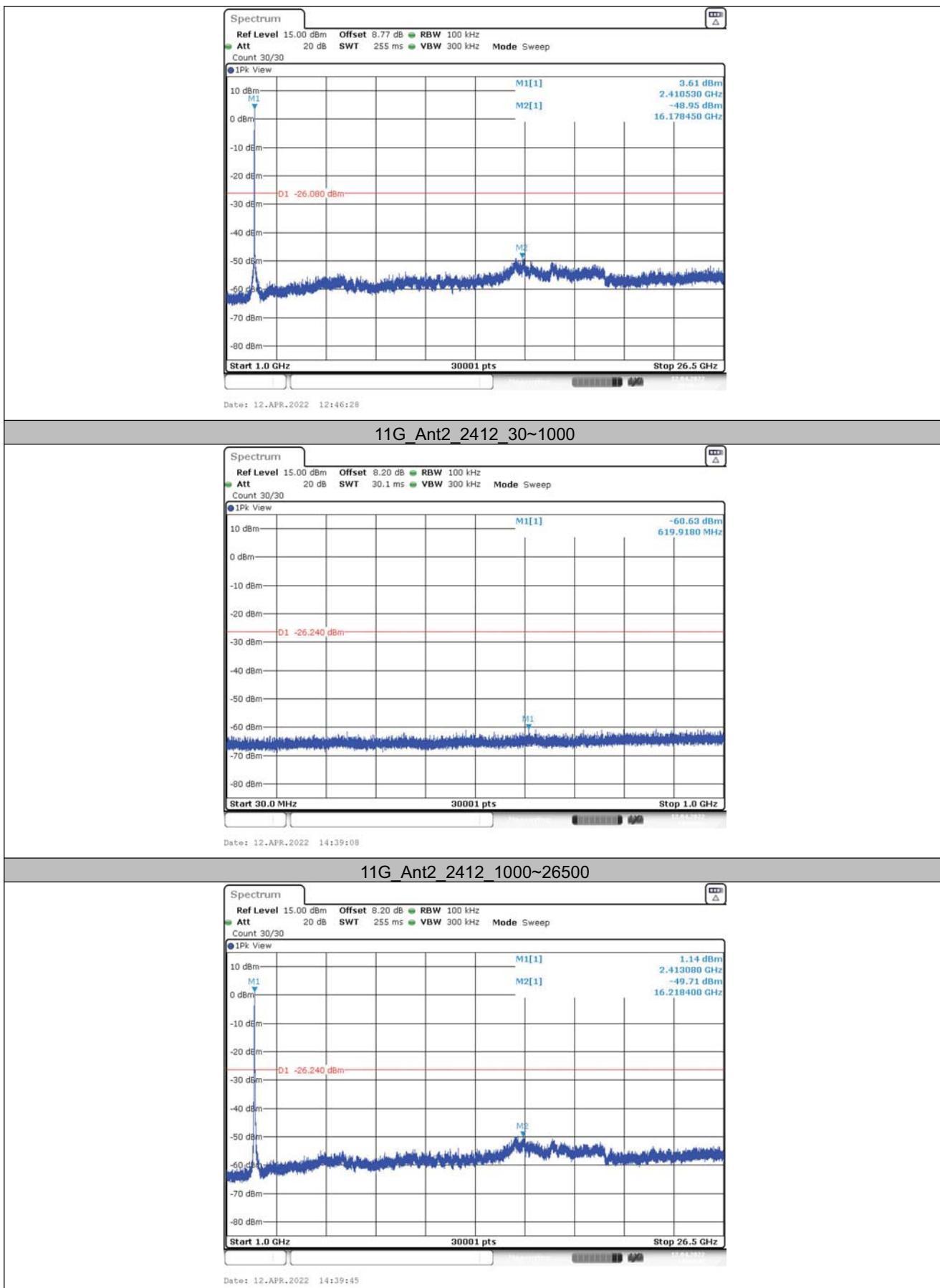


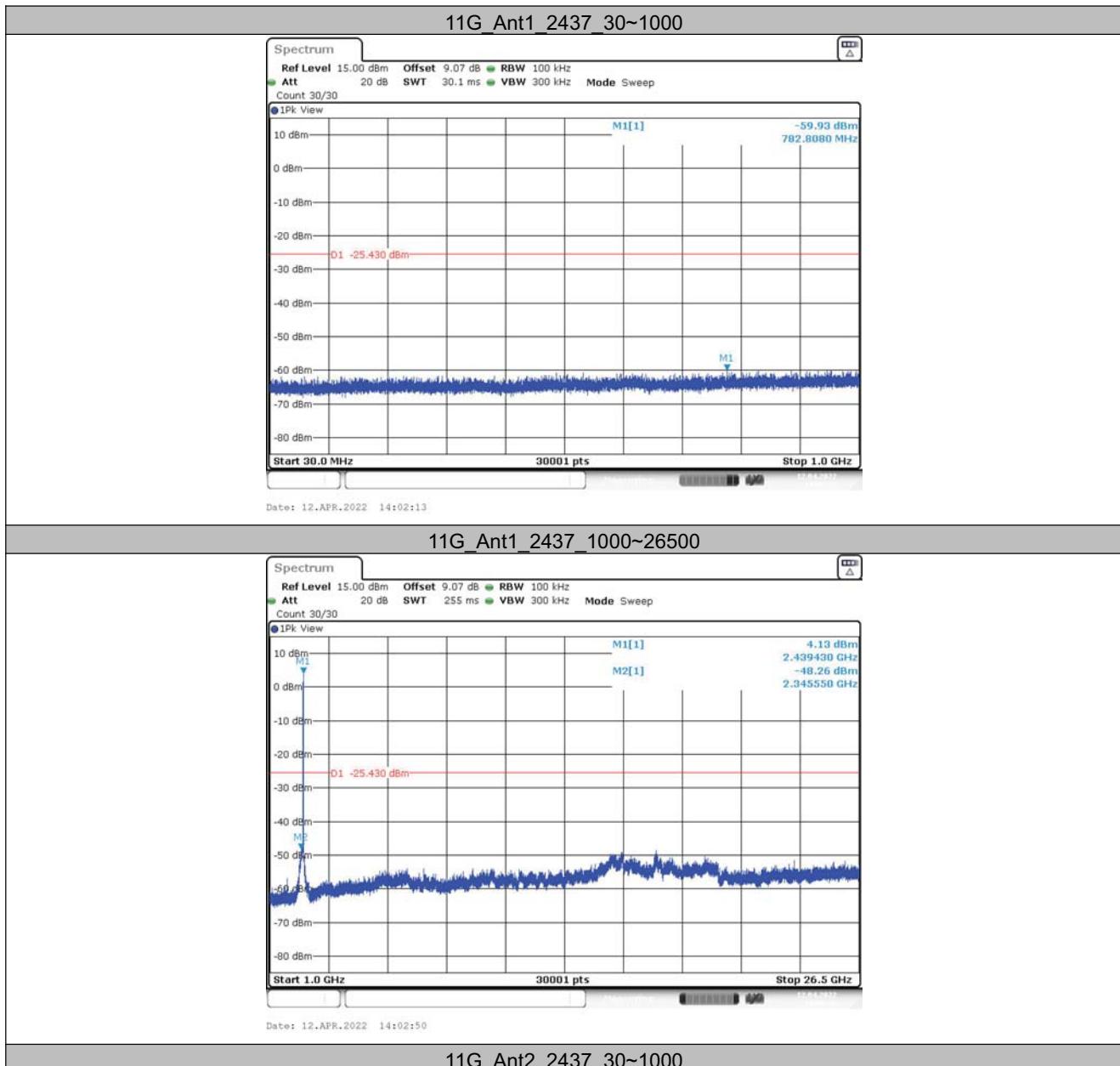


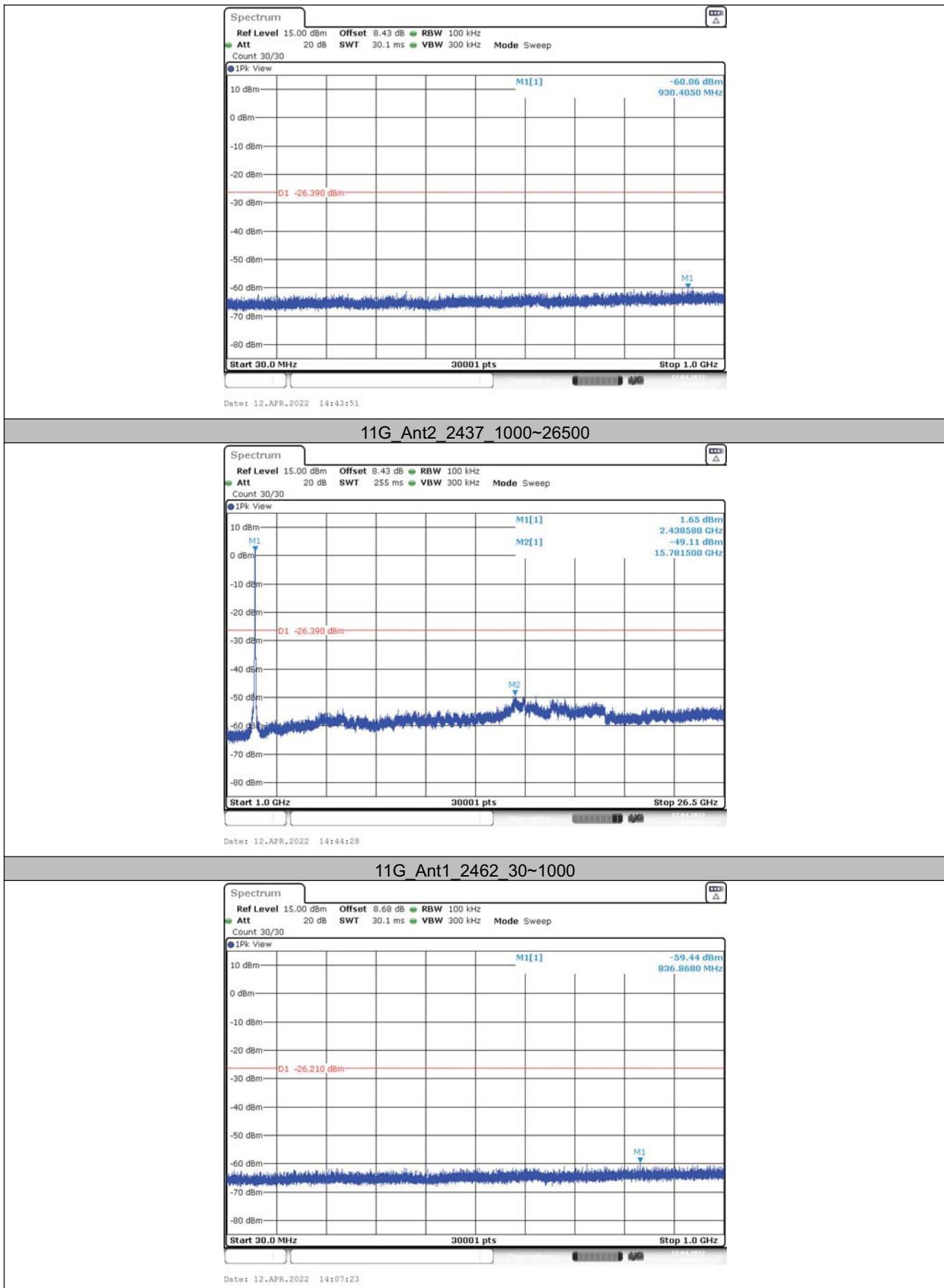


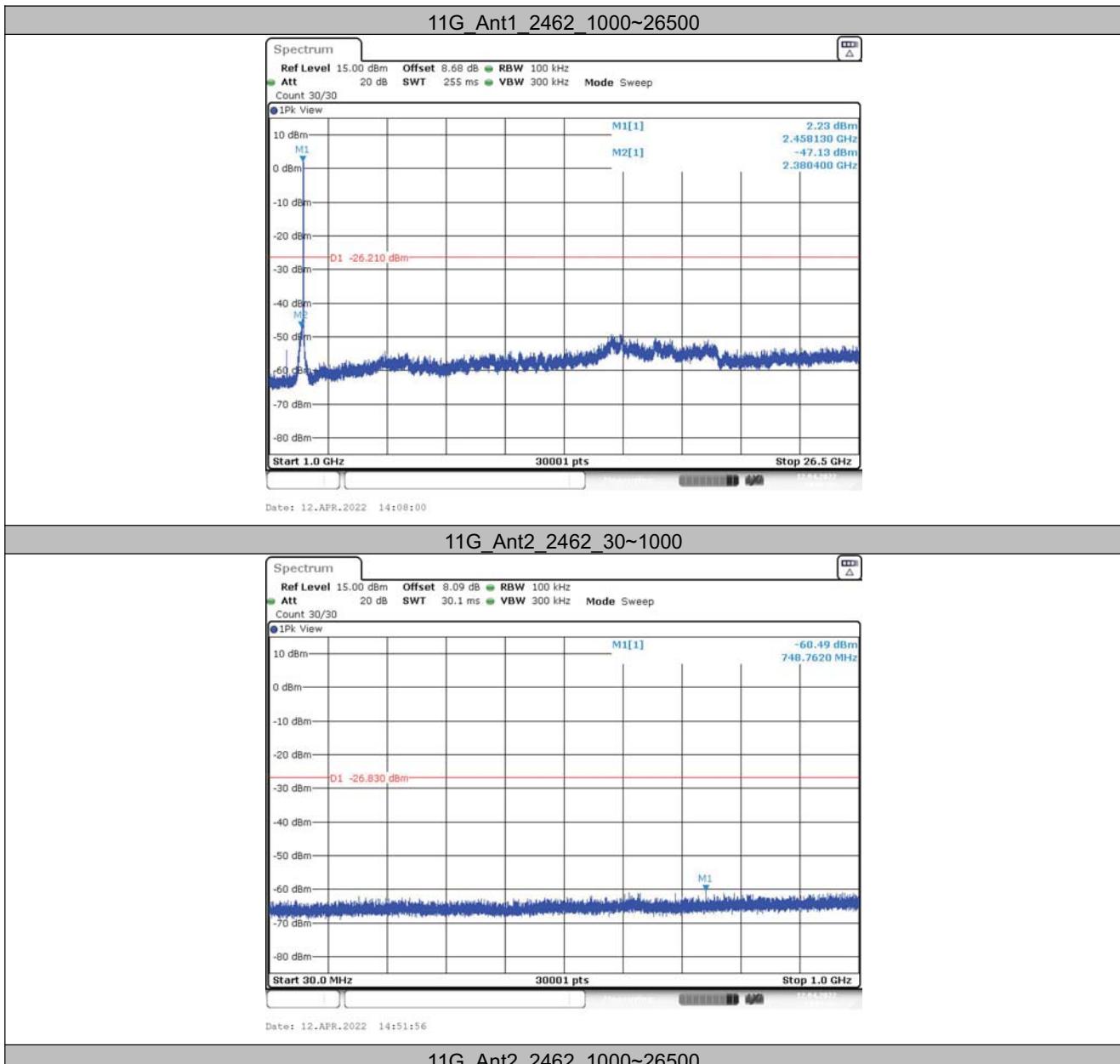


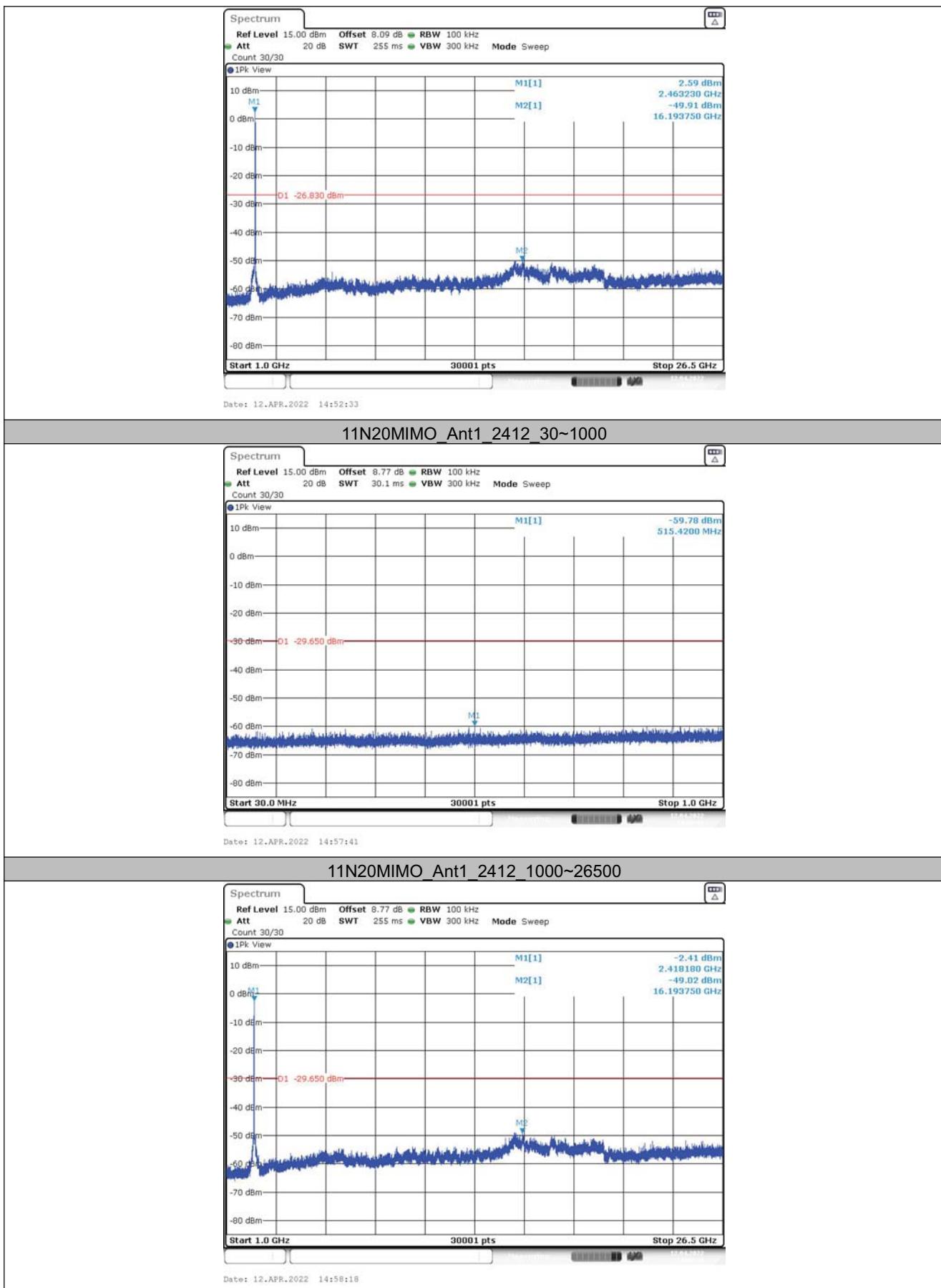


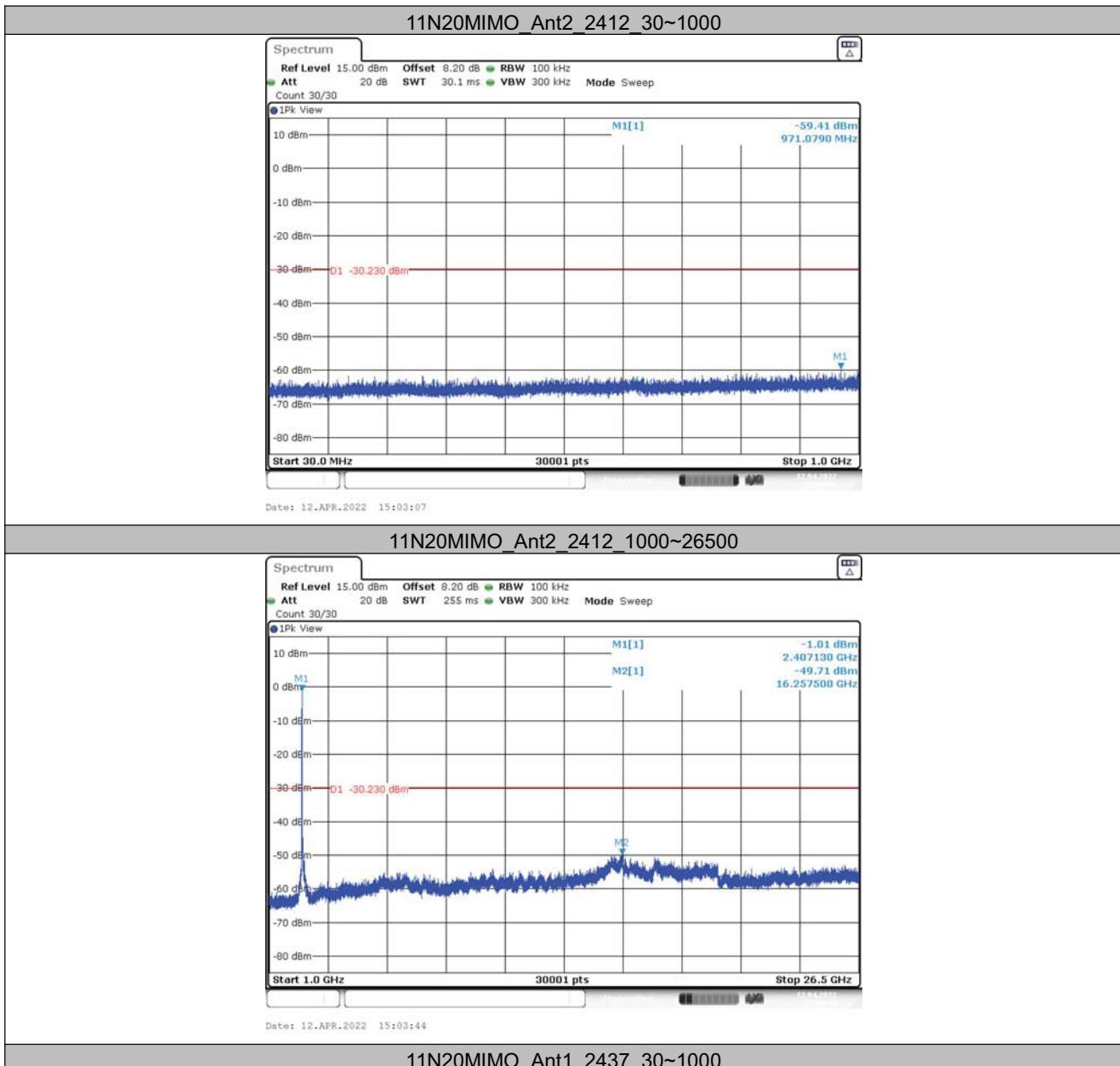


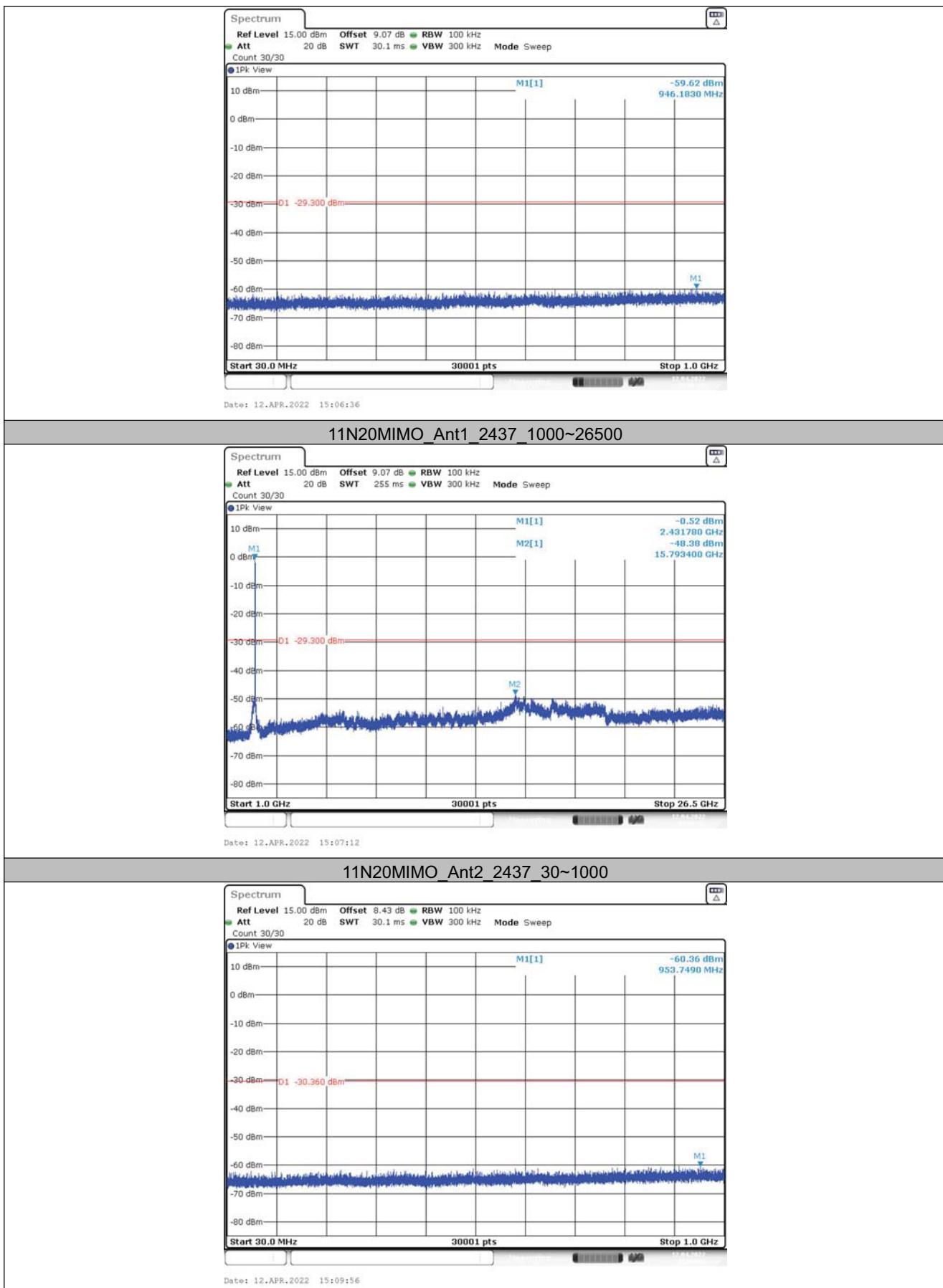


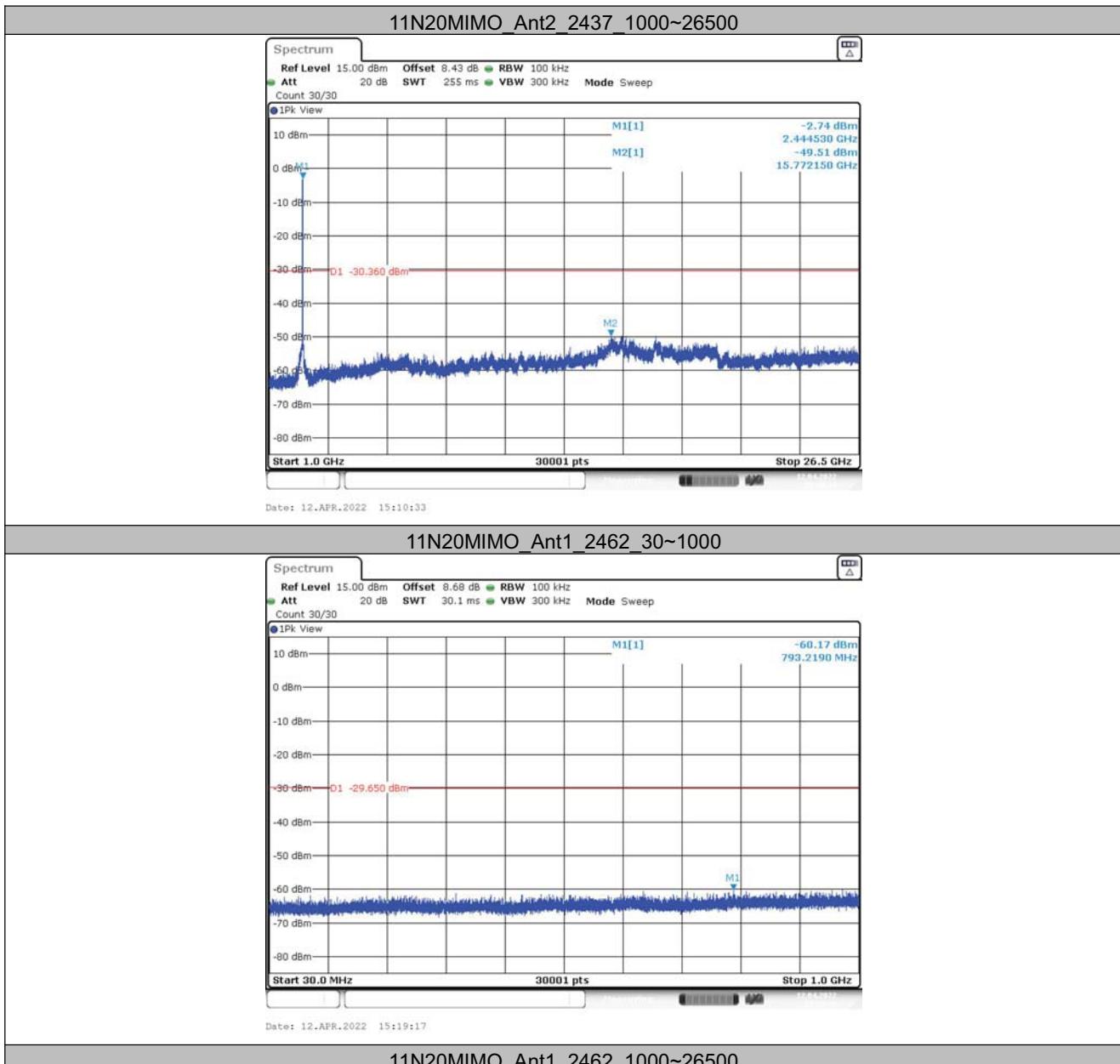


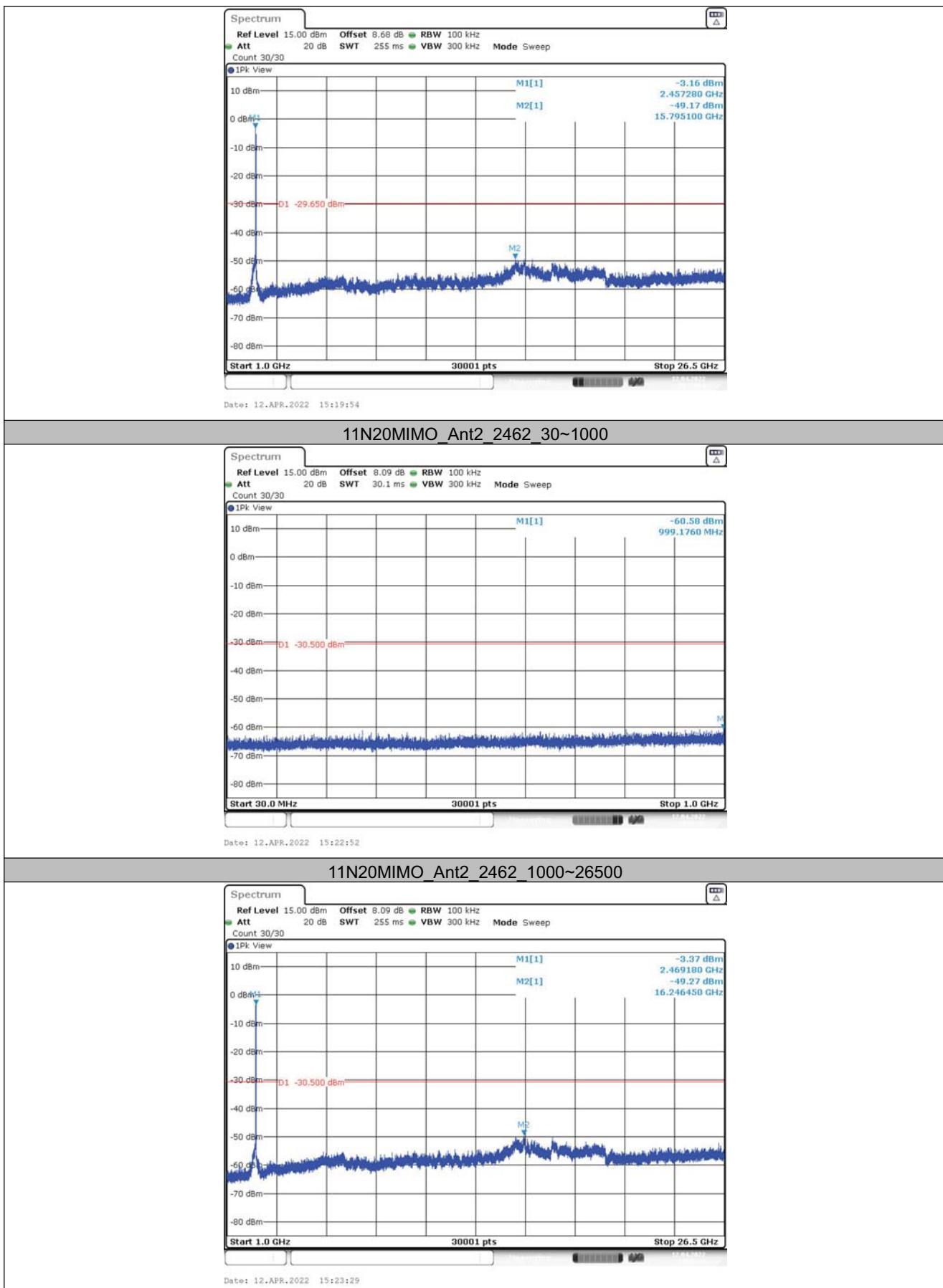


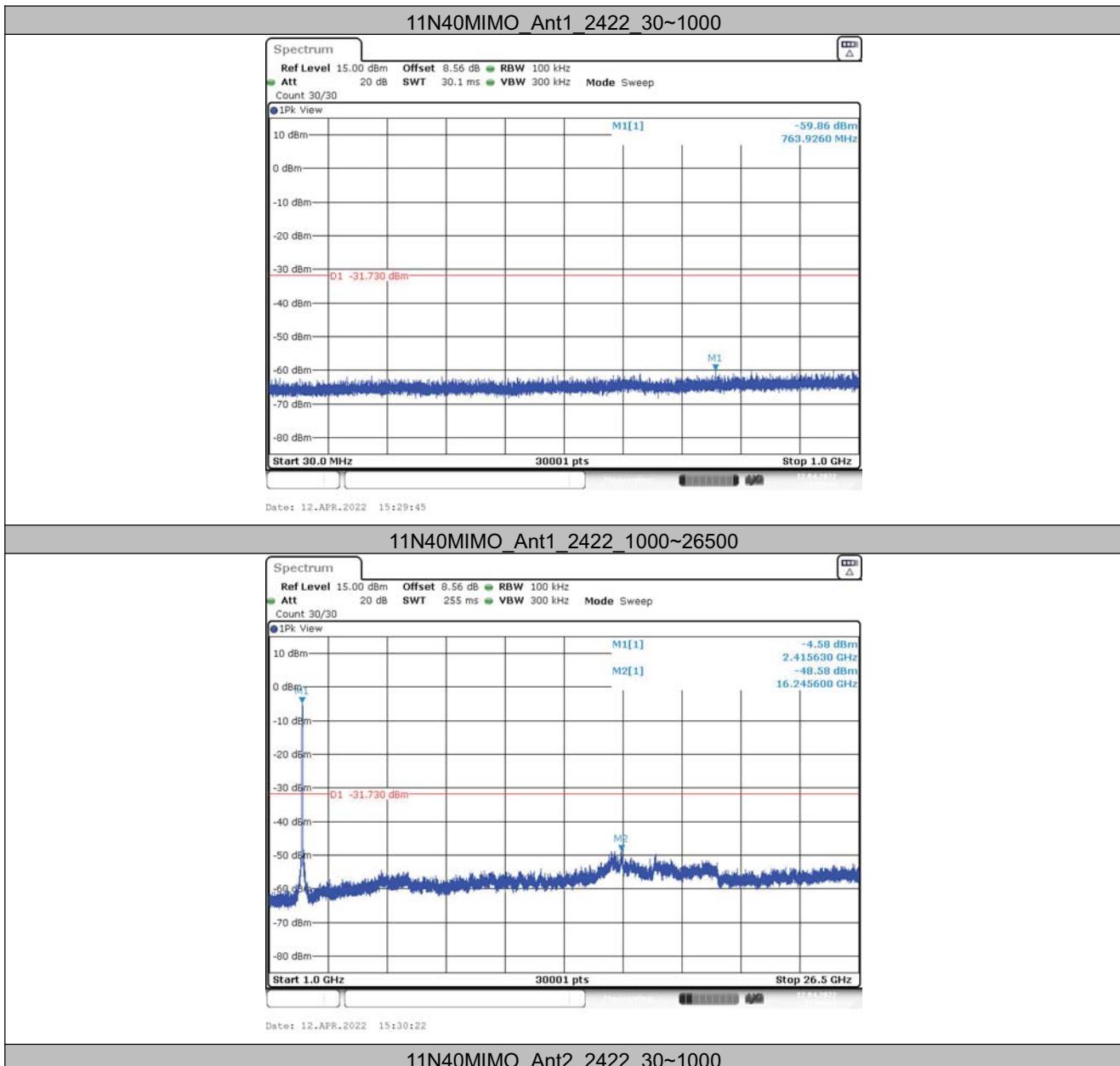


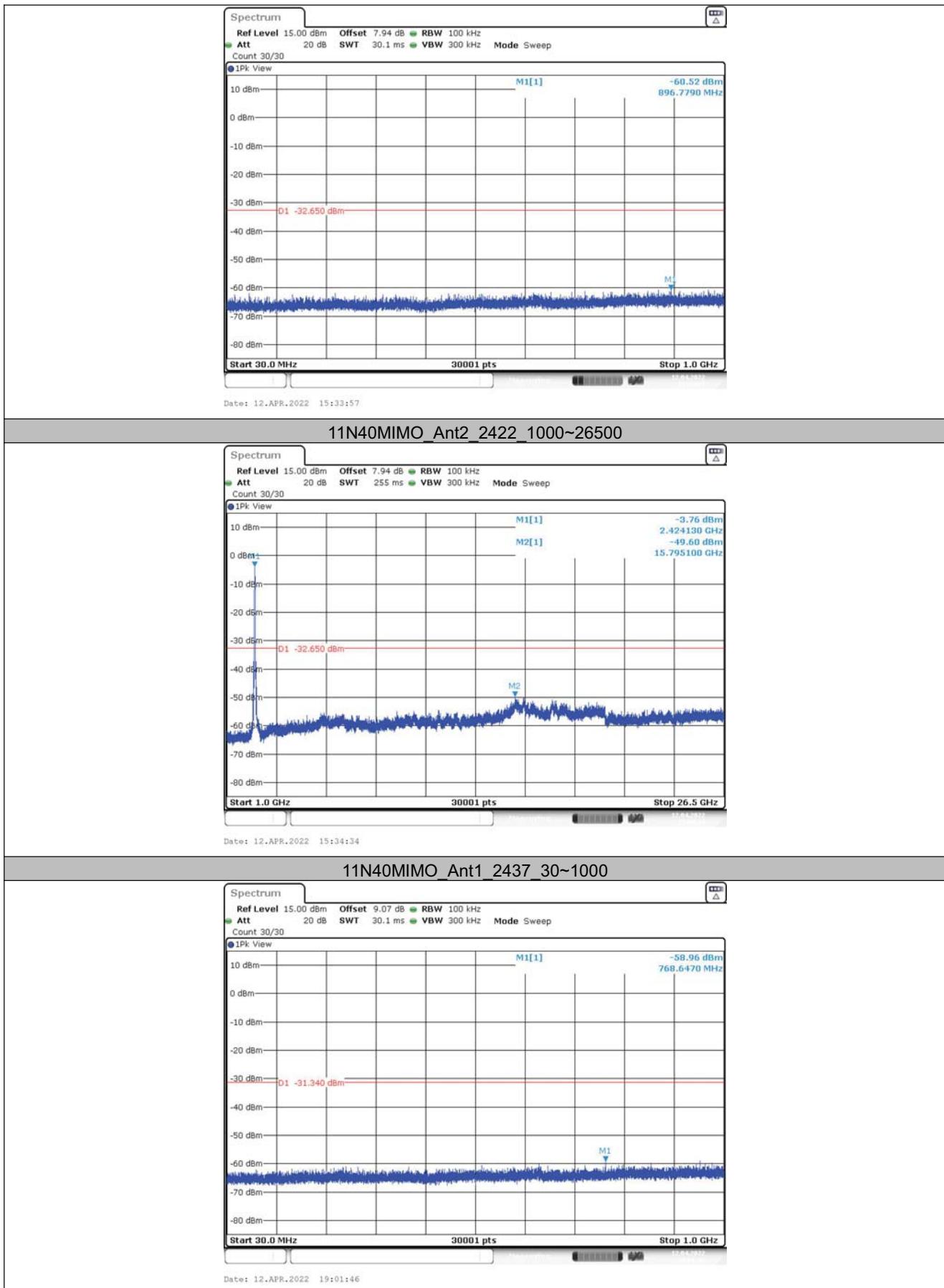


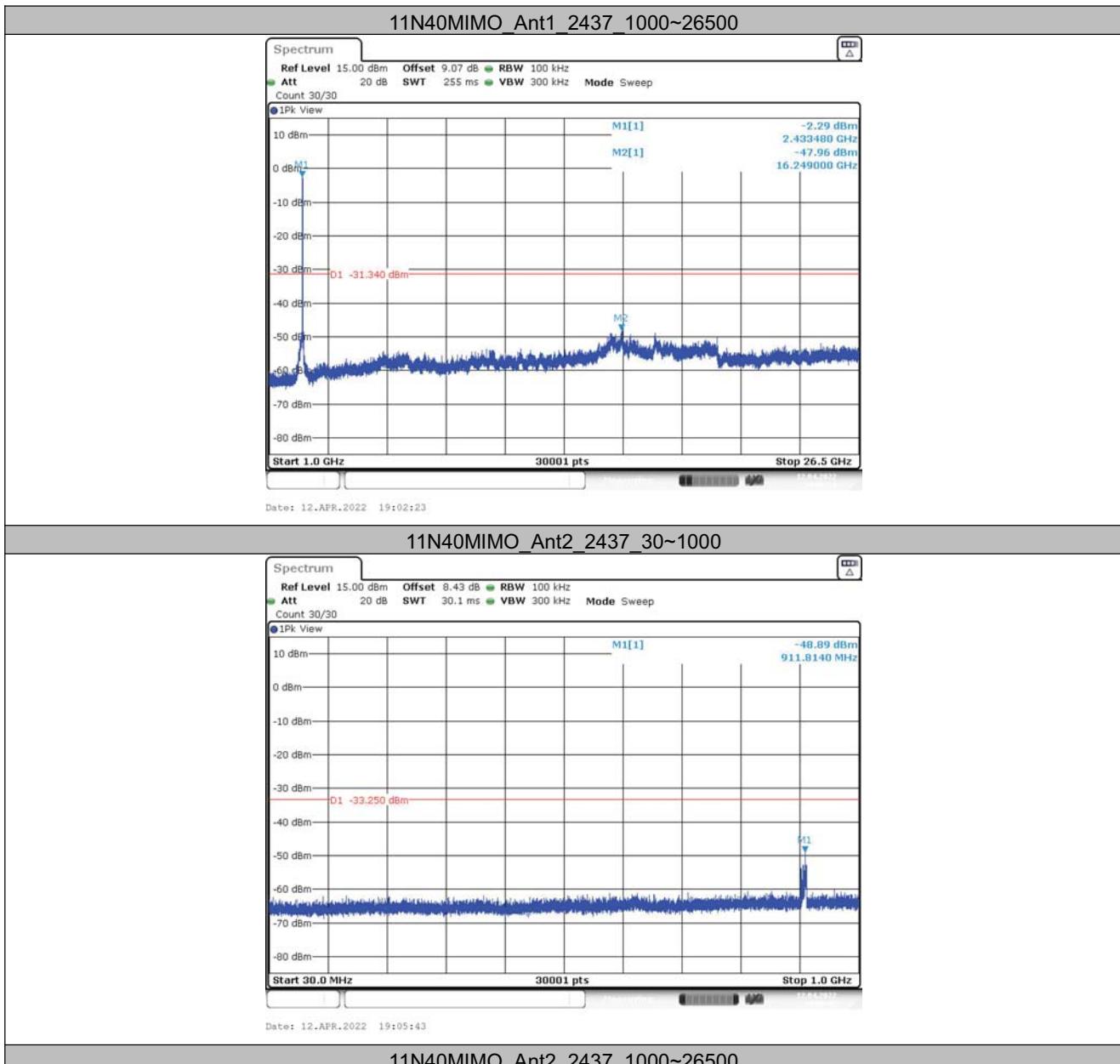


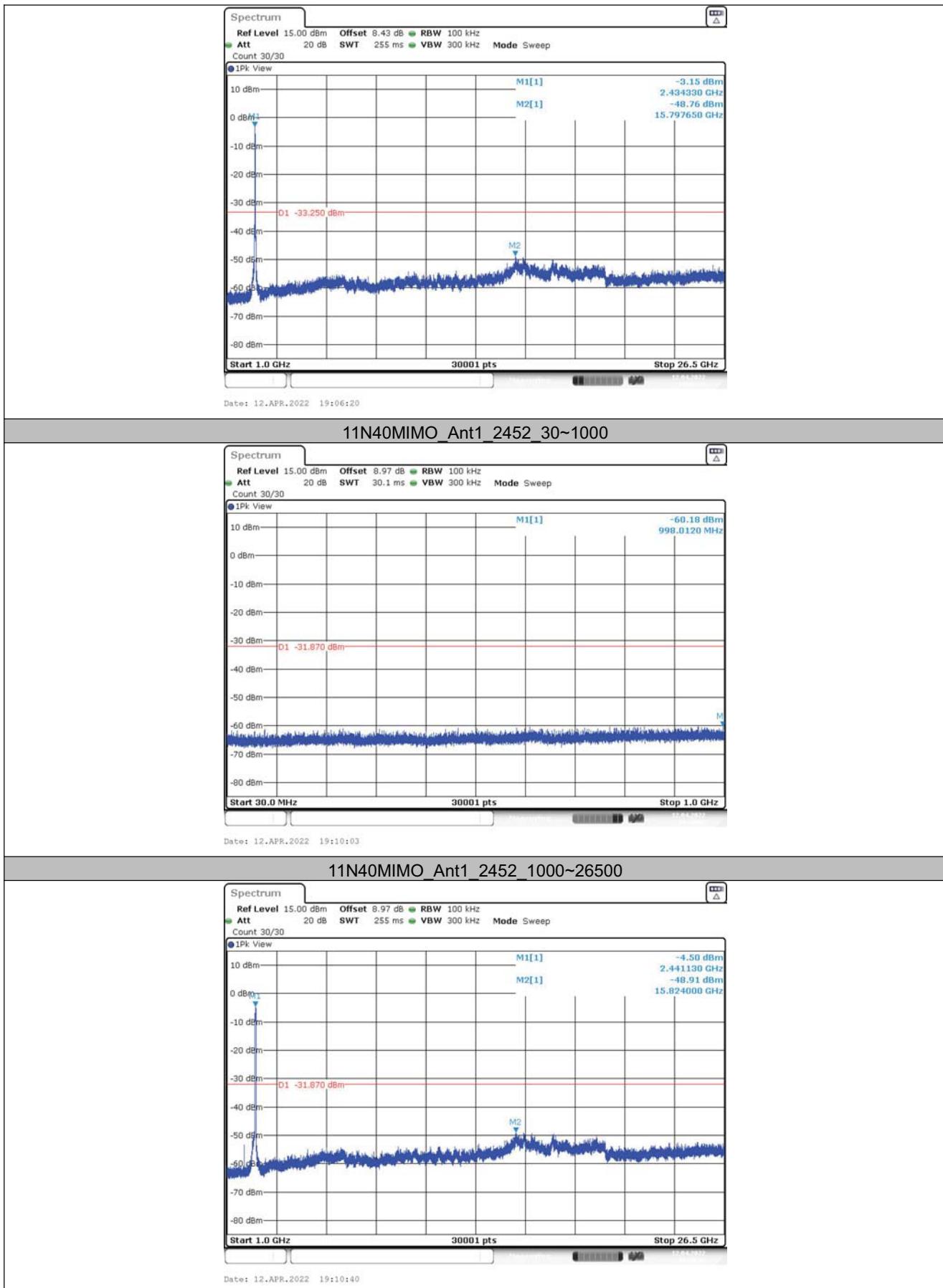


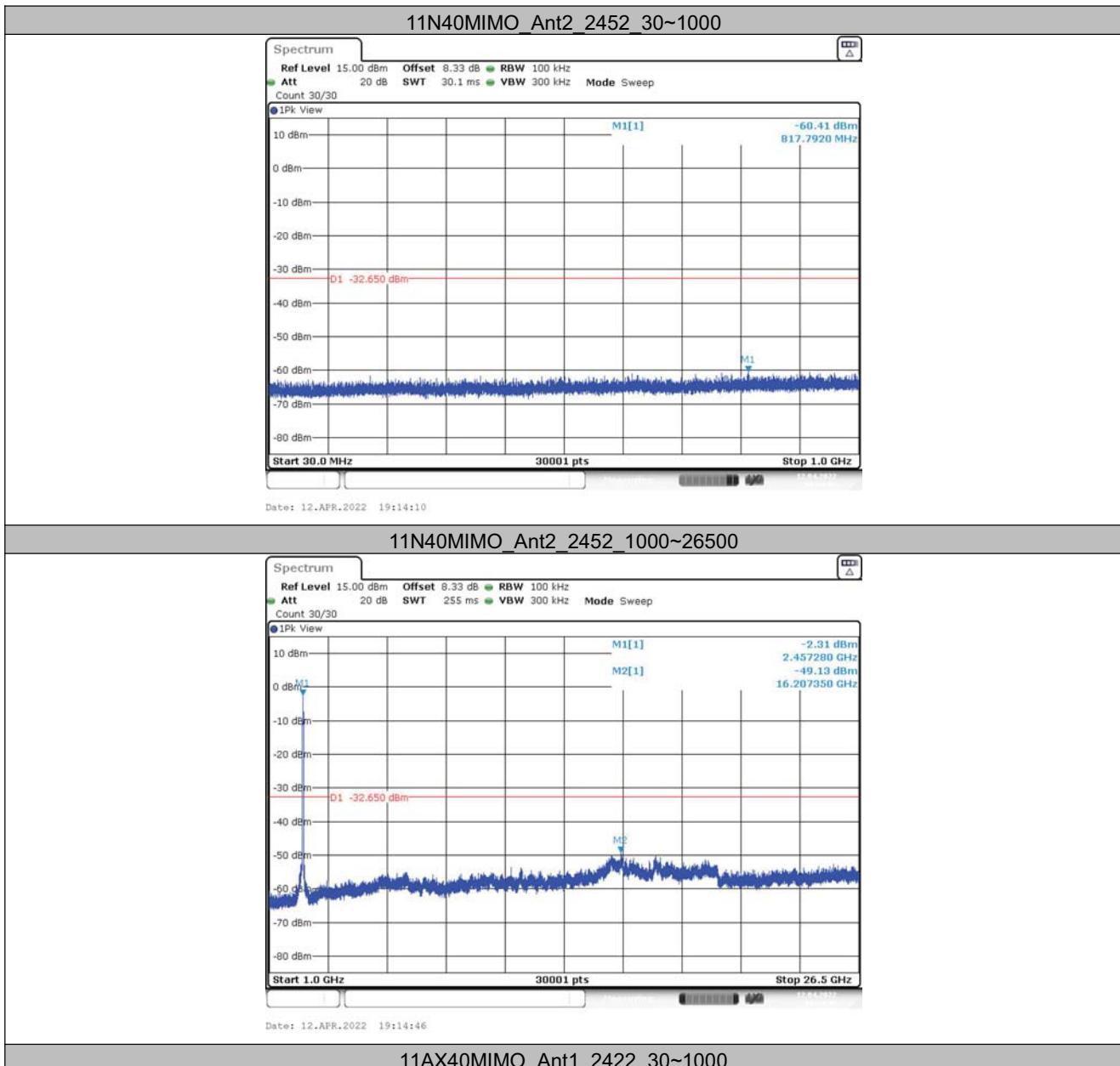


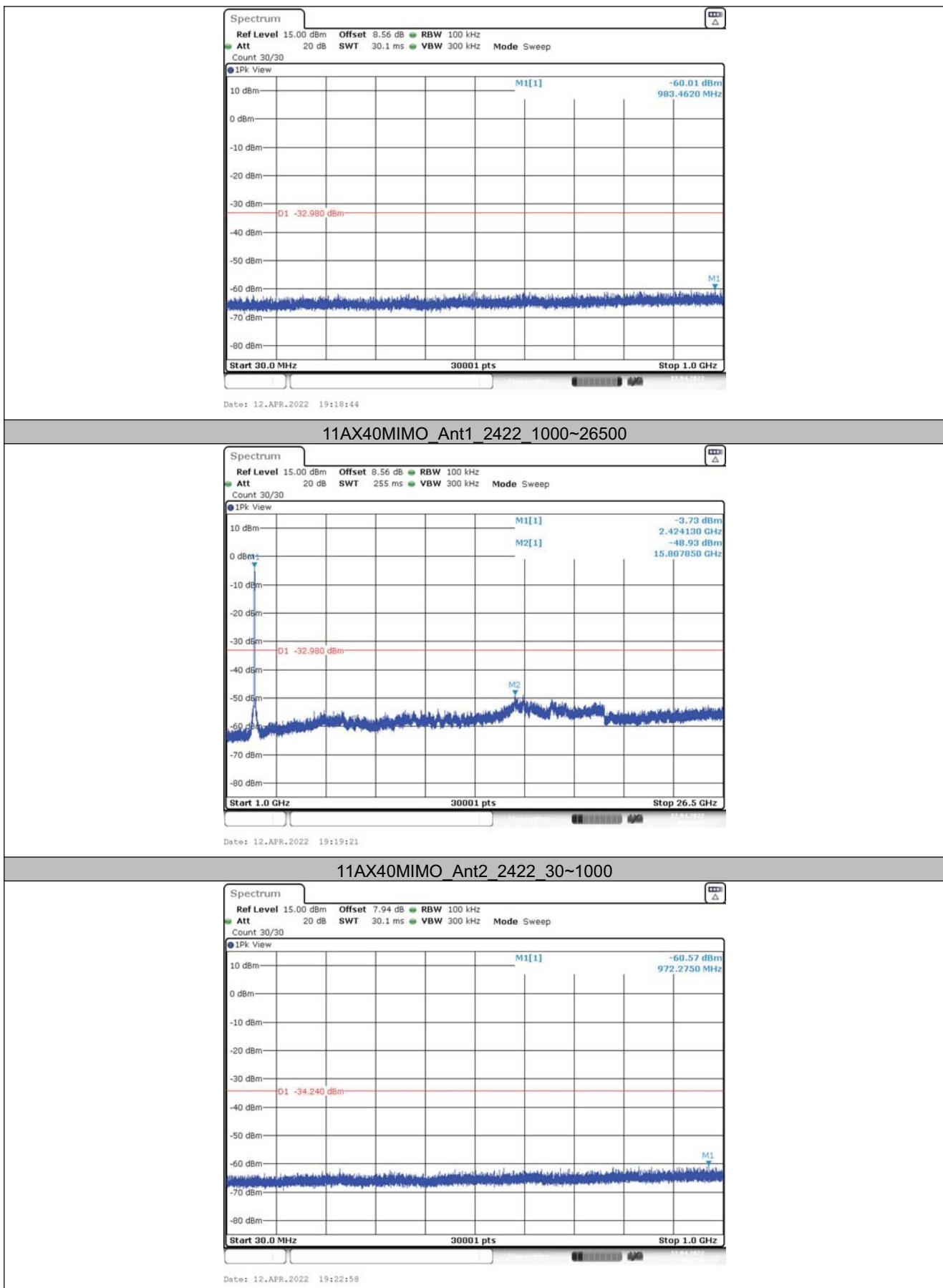


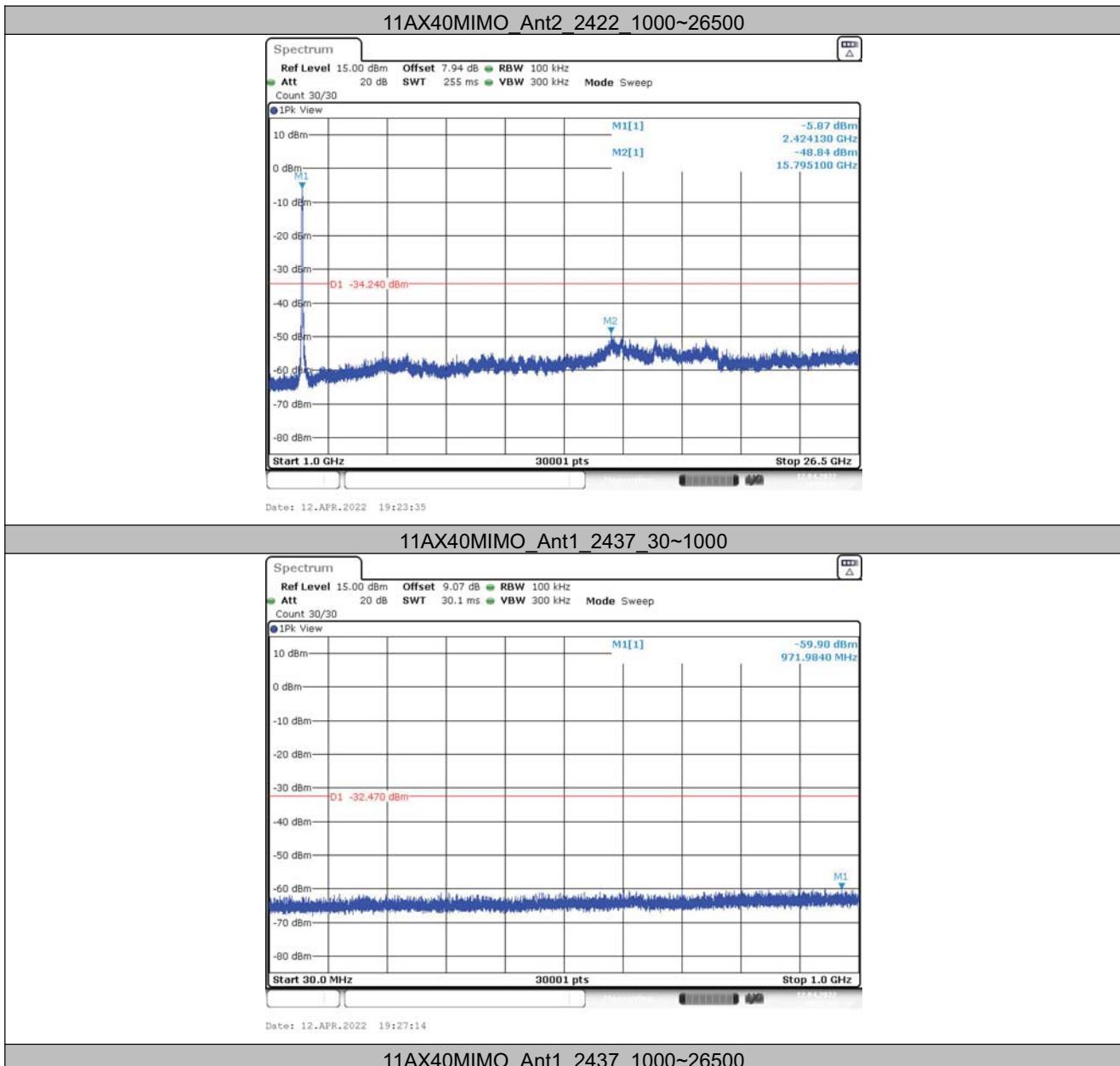


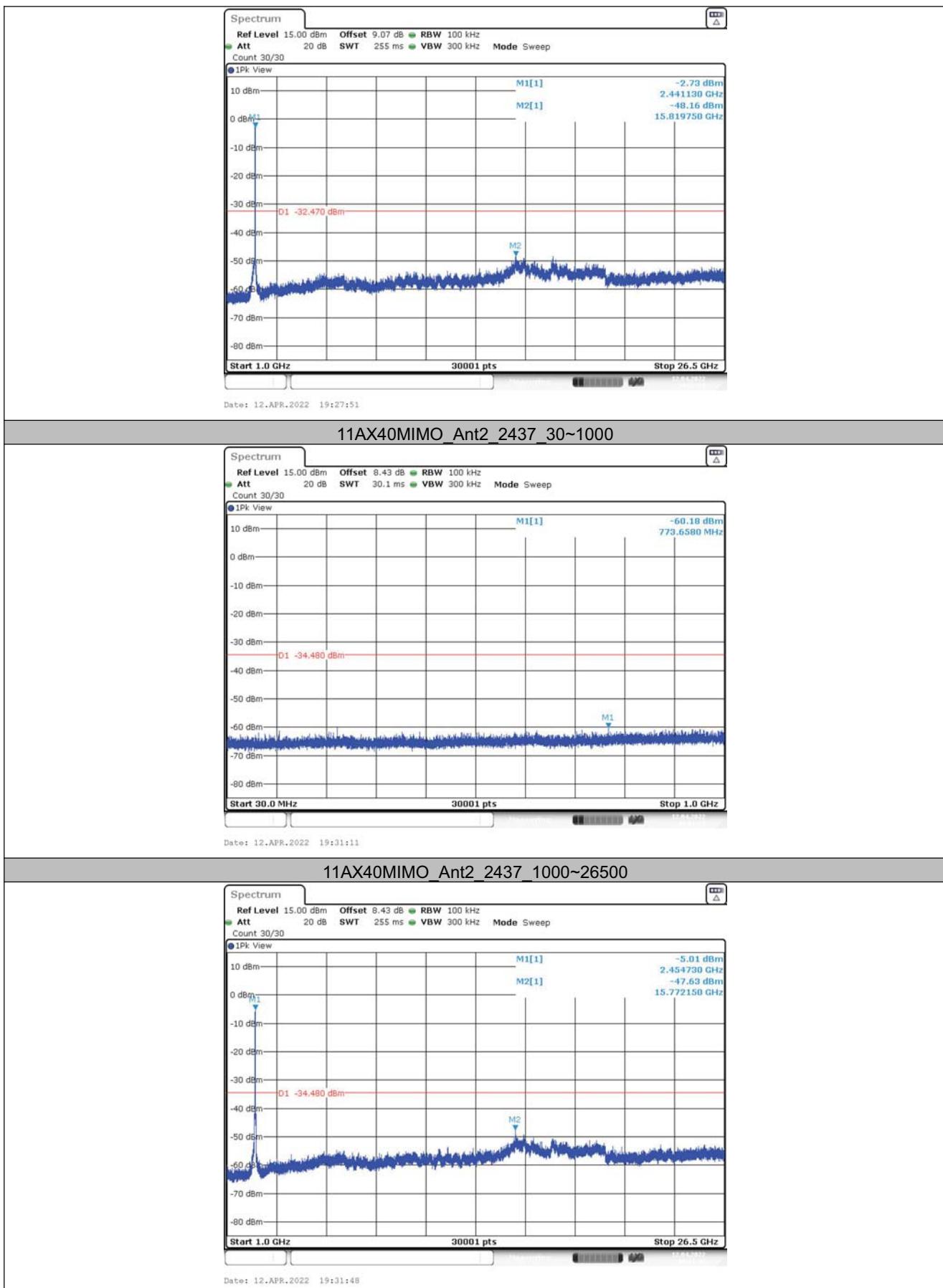


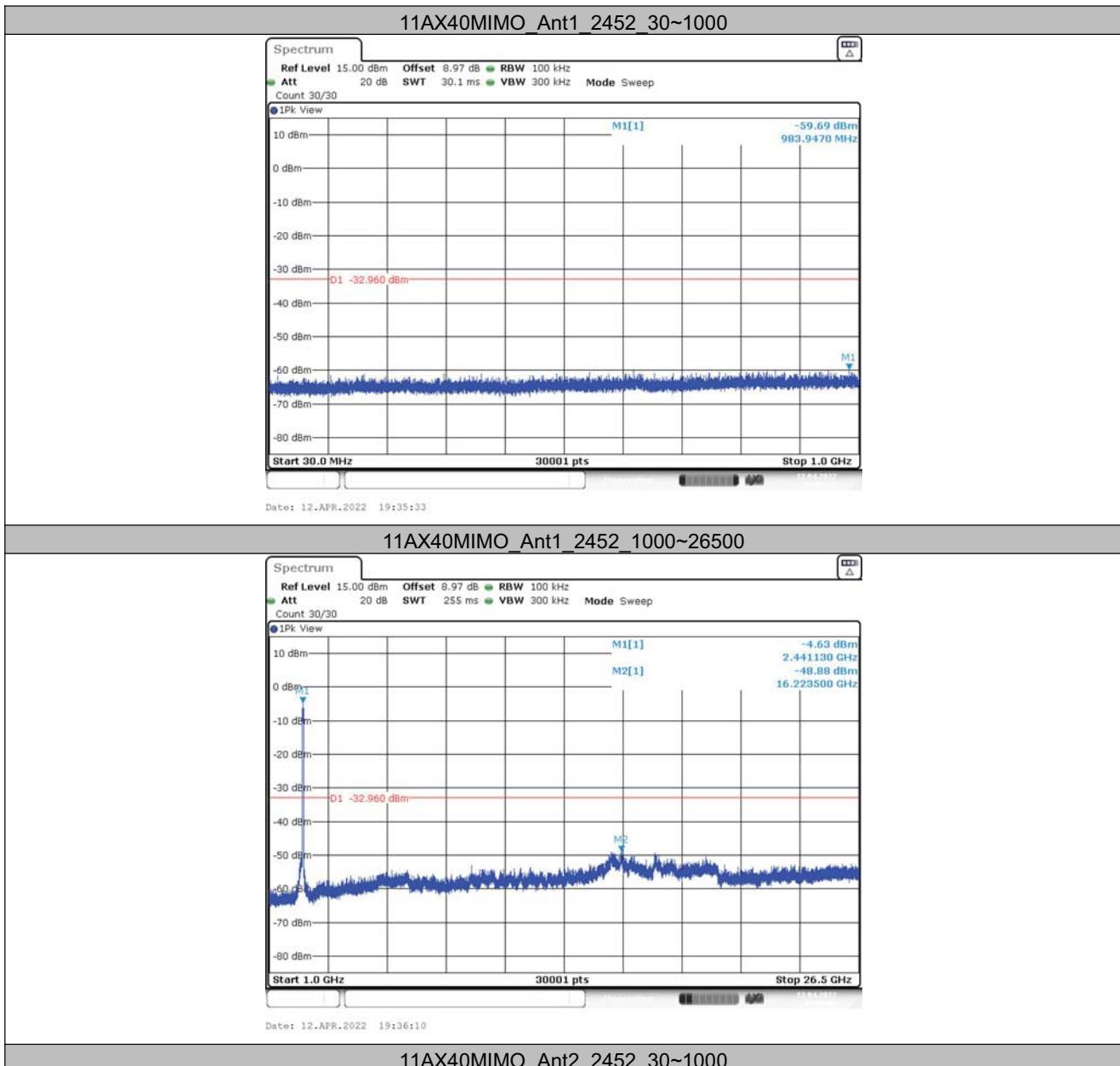


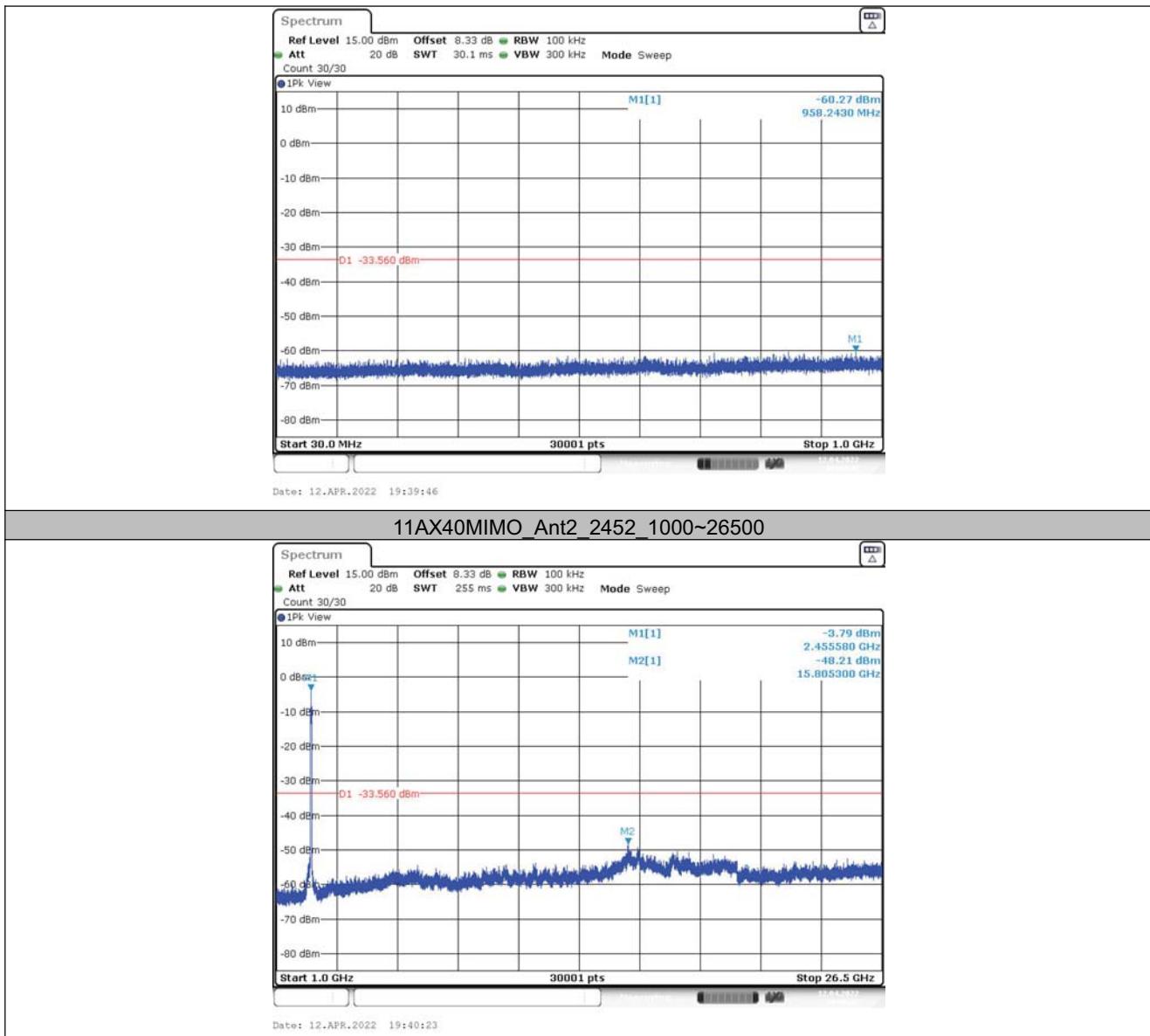


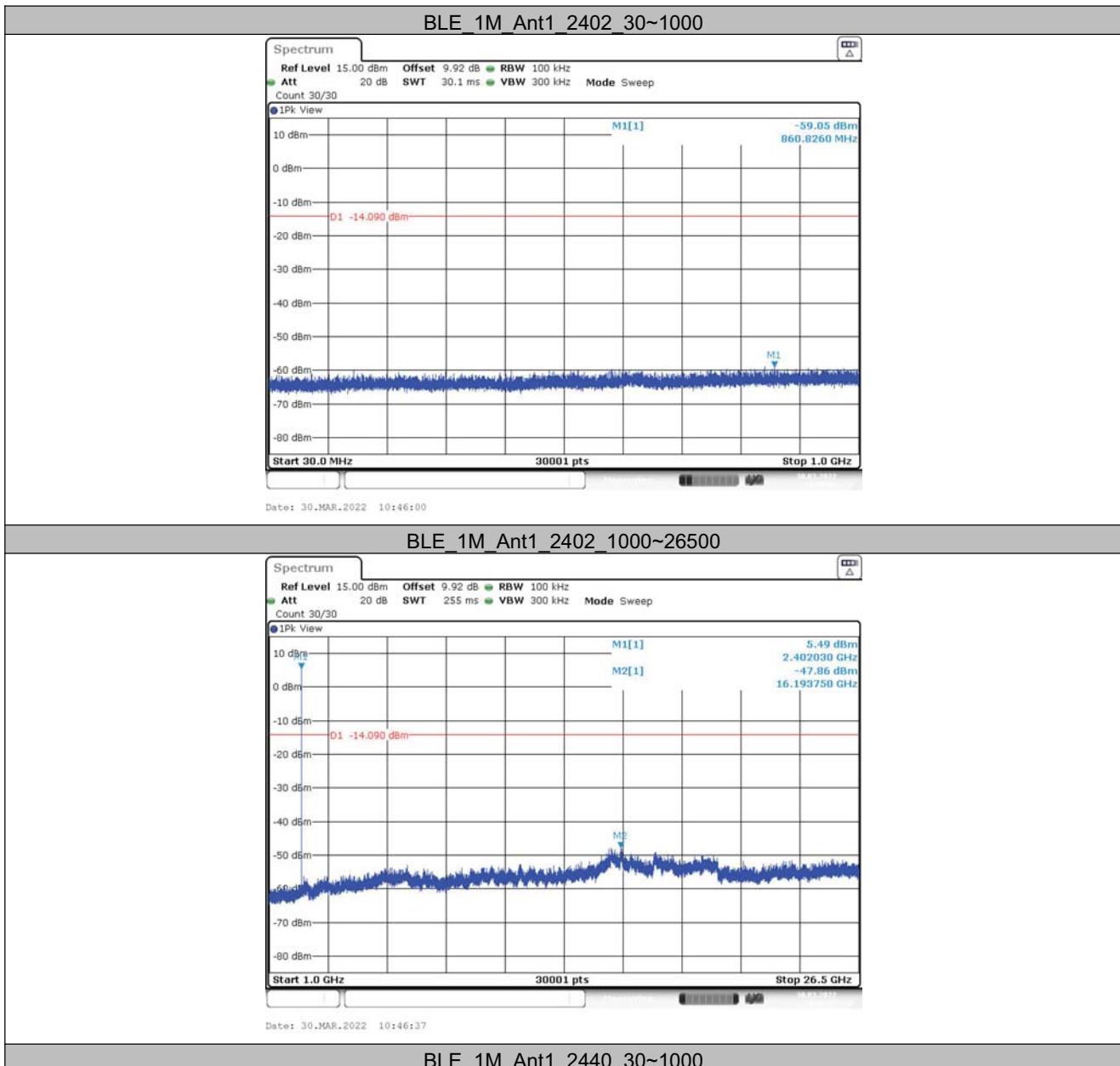


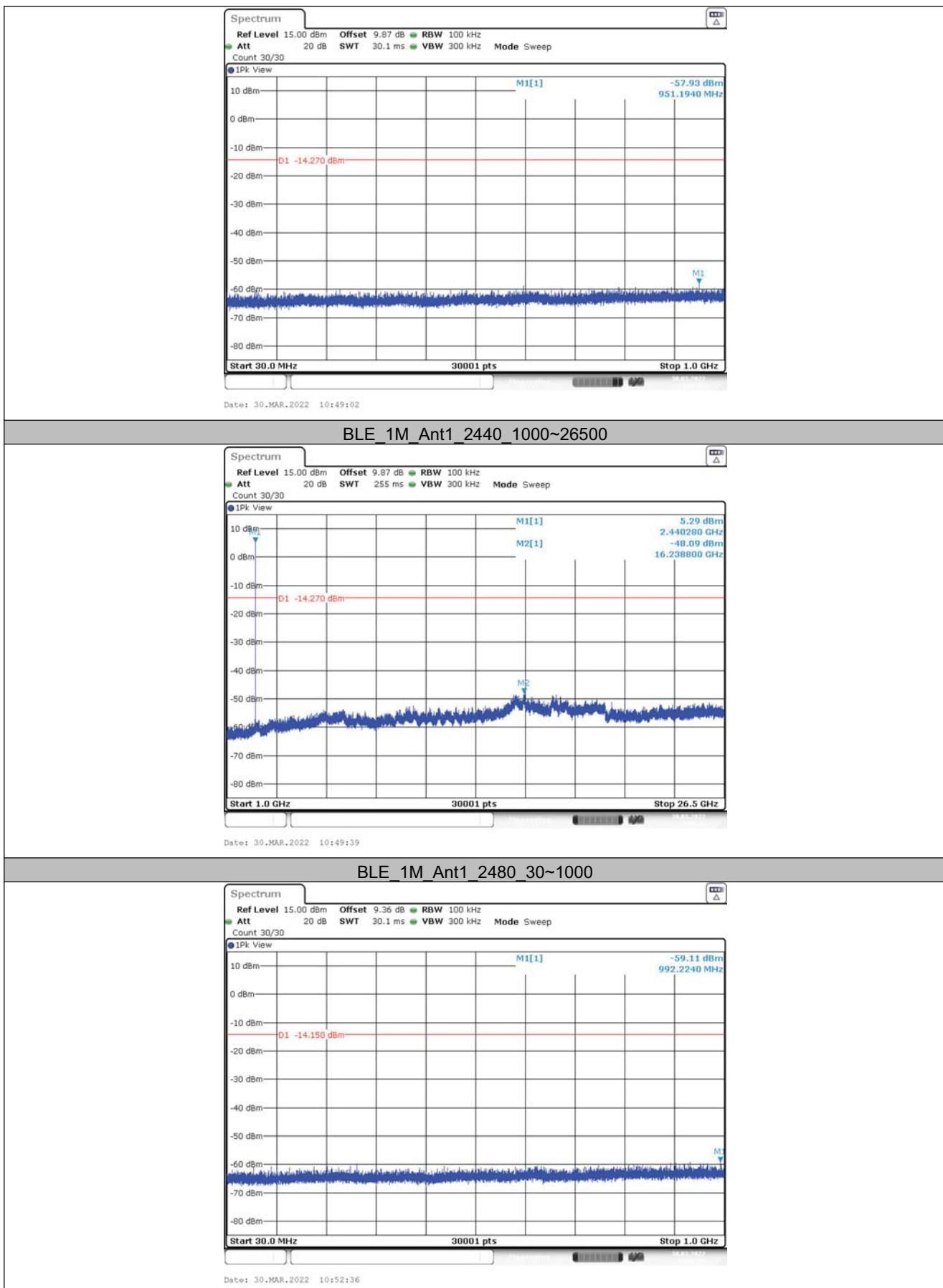


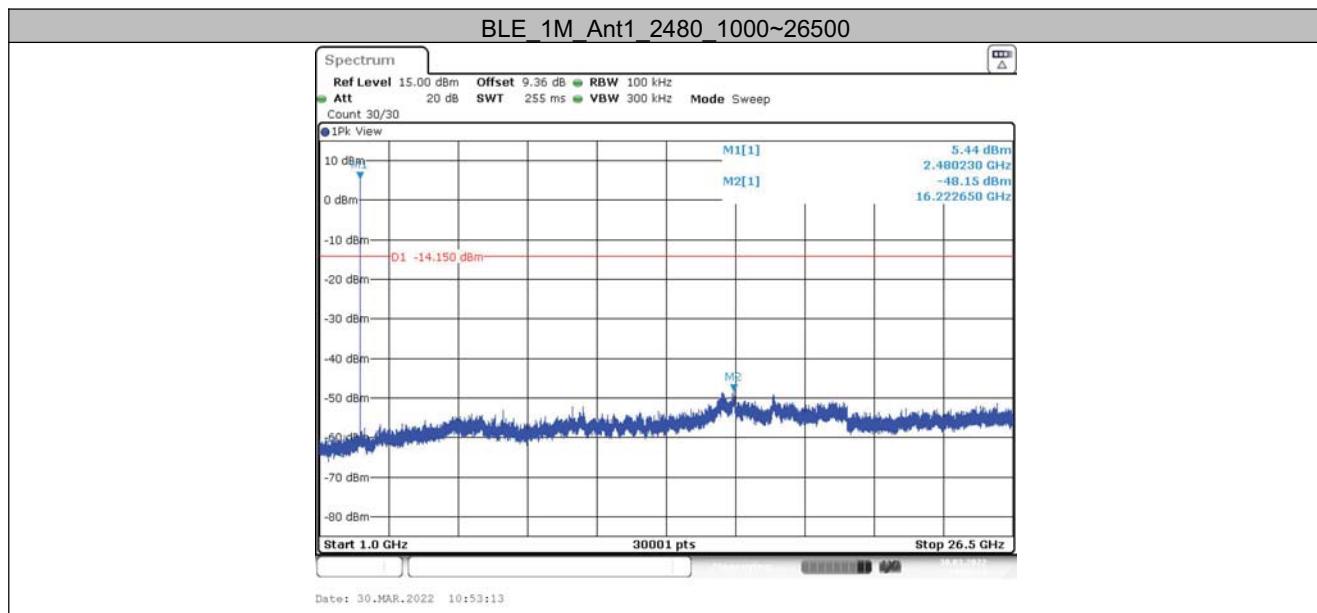














## Important

- (1) The test report is valid with the official seal of the laboratory and the signatures of Test engineer, Author and Reviewer simultaneously.
- (2) The test report is invalid if altered.
- (3) Any photocopies or part photocopies in the test report are forbidden without the written permission from the laboratory.
- (4) Objections to the test report must be submitted to the laboratory within 15 days.
- (5) Generally, commission test is responsible for the tested samples only.

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