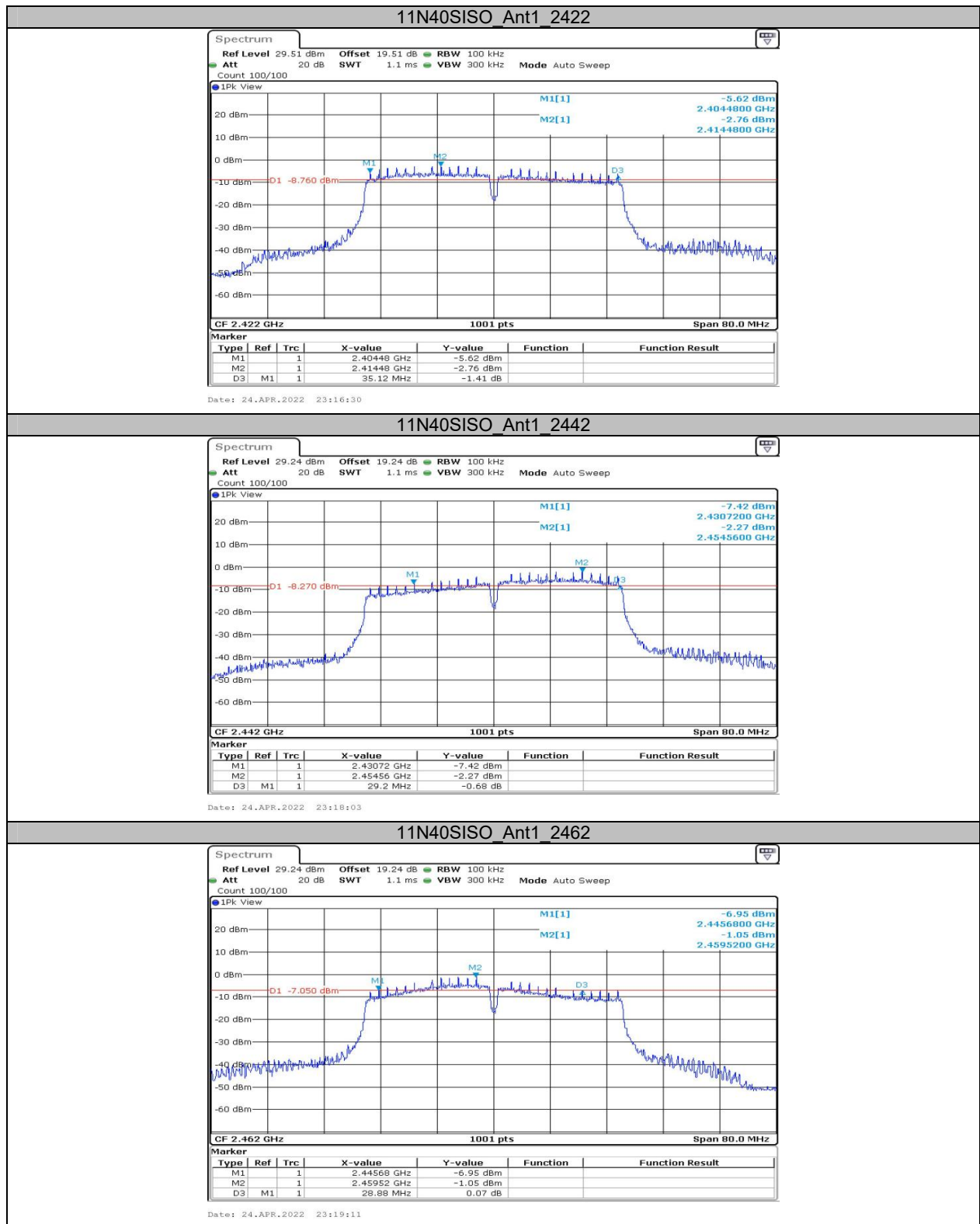




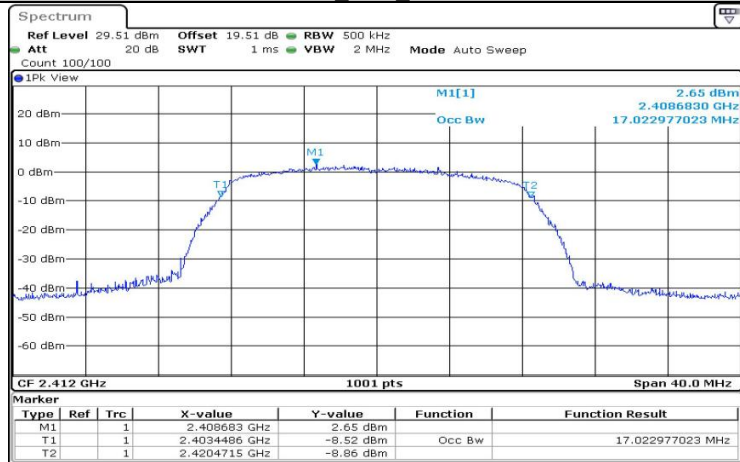
**Appendix B: Occupied Channel Bandwidth
Test Result**

Test Mode	Antenna	Channel	OCB [MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.827	---	---
		2442	12.947	---	---
		2472	13.307	---	---
11G	Ant1	2412	17.023	---	---
		2442	17.263	---	---
		2472	17.582	---	---
11N20SISO	Ant1	2412	17.862	---	---
		2442	18.142	---	---
		2472	18.382	---	---
11N40SISO	Ant1	2422	36.923	---	---
		2442	36.603	---	---
		2462	36.523	---	---

Test Graphs

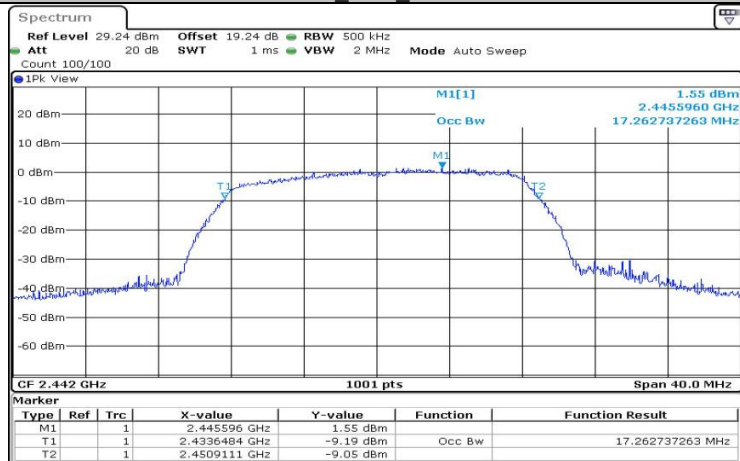


11G_Ant1_2412



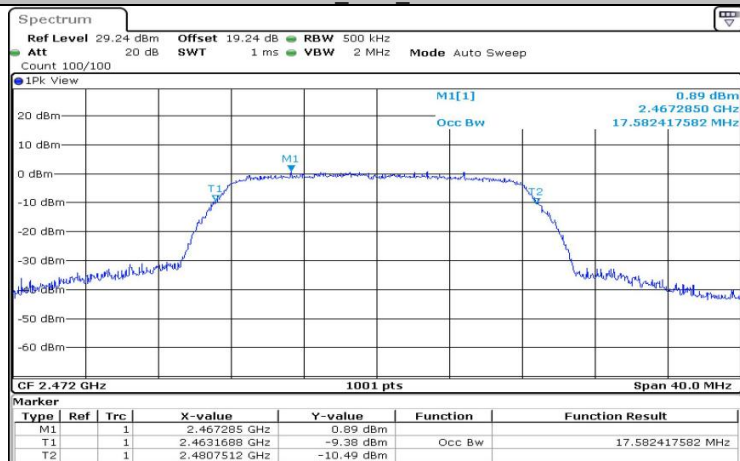
Date: 24.APR.2022 23:05:13

11G_Ant1_2442



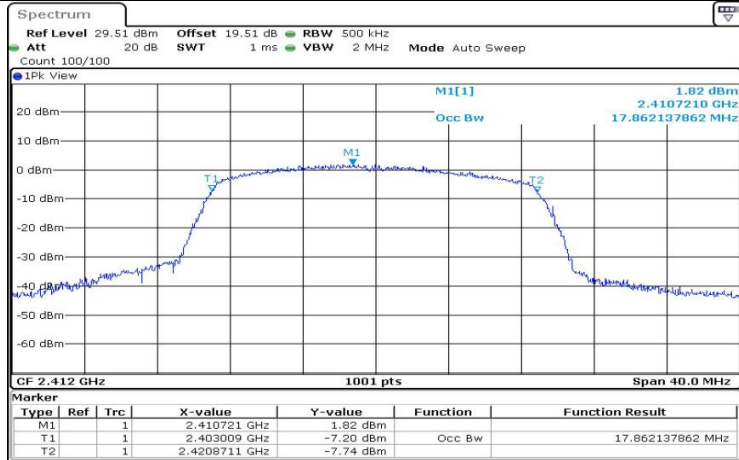
Date: 24.APR.2022 23:06:53

11G_Ant1_2472



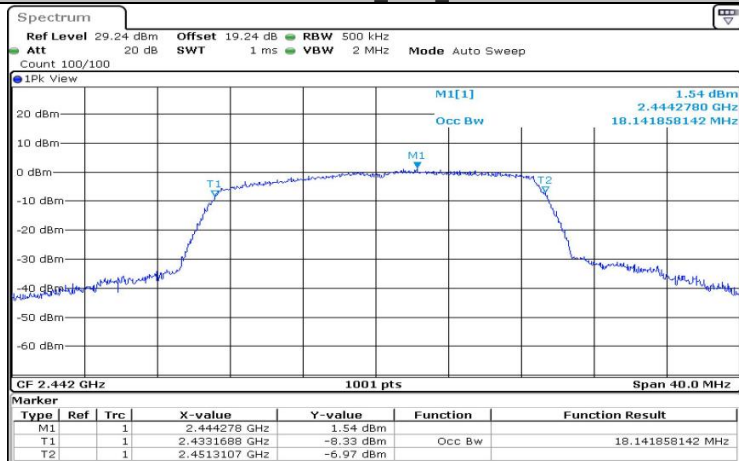
Date: 24.APR.2022 23:08:23

11N20SISO_Ant1_2412



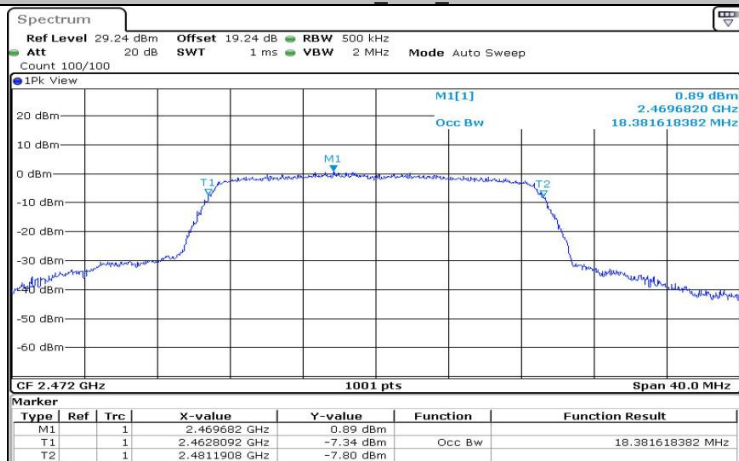
Date: 24.APR.2022 23:11:03

11N20SISO_Ant1_2442



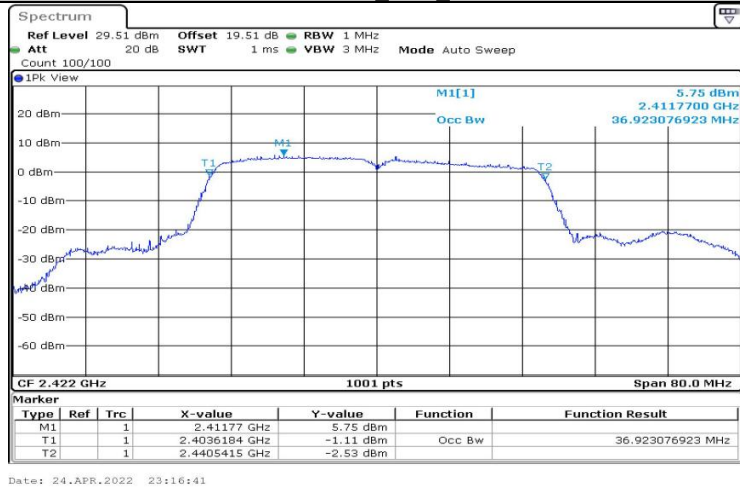
Date: 24.APR.2022 23:12:36

11N20SISO_Ant1_2472

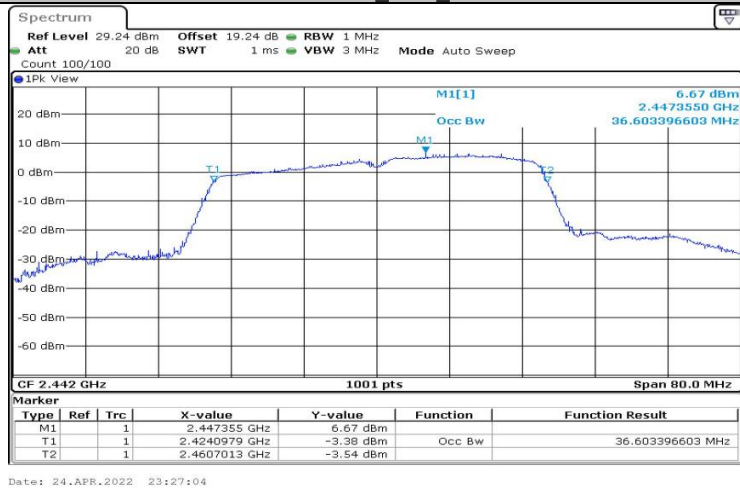


Date: 24.APR.2022 23:14:09

11N40SISO_Ant1_2422



11N40SISO_Ant1_2442



11N40SISO_Ant1_2462



Appendix C: Maximum conducted output power Test Result

PK:

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	16.85	≤30.00	PASS
		2442	15.55	≤30.00	PASS
		2472	15.40	≤30.00	PASS
11G	Ant1	2412	14.35	≤30.00	PASS
		2442	13.61	≤30.00	PASS
		2472	13.36	≤30.00	PASS
11N20SISO	Ant1	2412	14.32	≤30.00	PASS
		2442	13.45	≤30.00	PASS
		2472	13.43	≤30.00	PASS
11N40SISO	Ant1	2422	17.82	≤30.00	PASS
		2442	17.52	≤30.00	PASS
		2462	17.94	≤30.00	PASS

Note: the antenna gain is 1.8dBi, the maximum EIRP=17.94dBm<36dBm

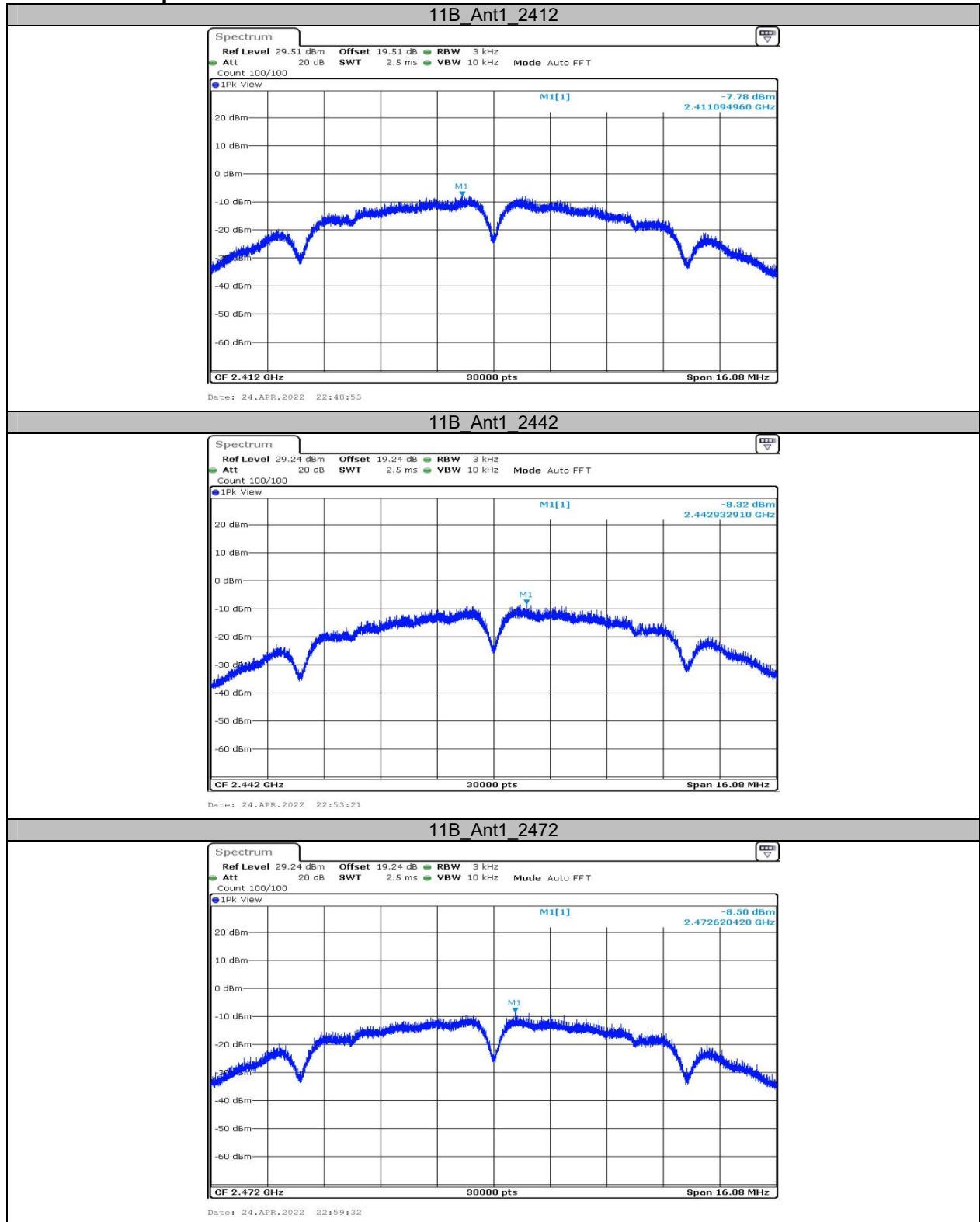
AV:

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	14.95	≤30.00	PASS
		2442	13.73	≤30.00	PASS
		2472	13.95	≤30.00	PASS
11G	Ant1	2412	8.14	≤30.00	PASS
		2442	7.36	≤30.00	PASS
		2472	7.18	≤30.00	PASS
11N20SISO	Ant1	2412	8.02	≤30.00	PASS
		2442	7.29	≤30.00	PASS
		2472	7.14	≤30.00	PASS
11N40SISO	Ant1	2422	11.31	≤30.00	PASS
		2442	11.50	≤30.00	PASS
		2462	11.44	≤30.00	PASS

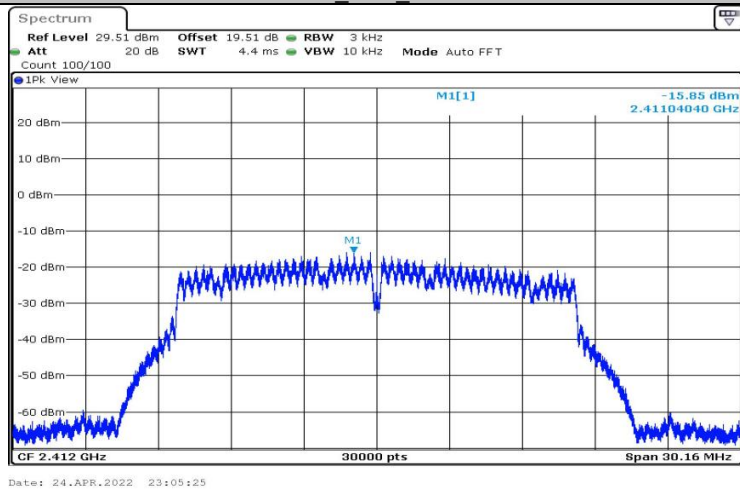
**Appendix D: Maximum power spectral density
Test Result**

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-7.78	≤8.00	PASS
		2442	-8.32	≤8.00	PASS
		2472	-8.50	≤8.00	PASS
11G	Ant1	2412	-15.85	≤8.00	PASS
		2442	-17.58	≤8.00	PASS
		2472	-17.99	≤8.00	PASS
11N20SISO	Ant1	2412	-15.41	≤8.00	PASS
		2442	-17.67	≤8.00	PASS
		2472	-18.27	≤8.00	PASS
11N40SISO	Ant1	2422	-17.18	≤8.00	PASS
		2442	-15.66	≤8.00	PASS
		2462	-15.34	≤8.00	PASS

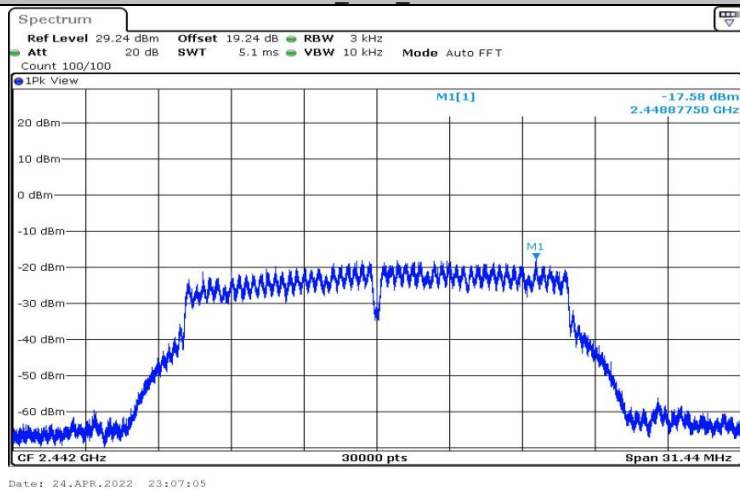
Test Graphs



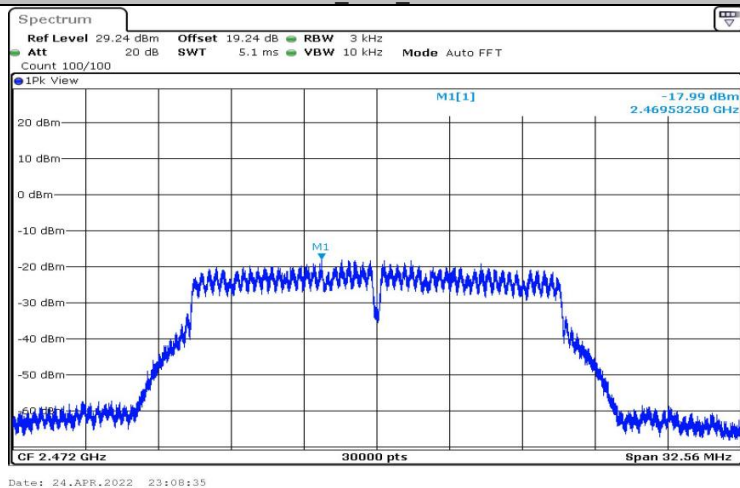
11G_Ant1_2412

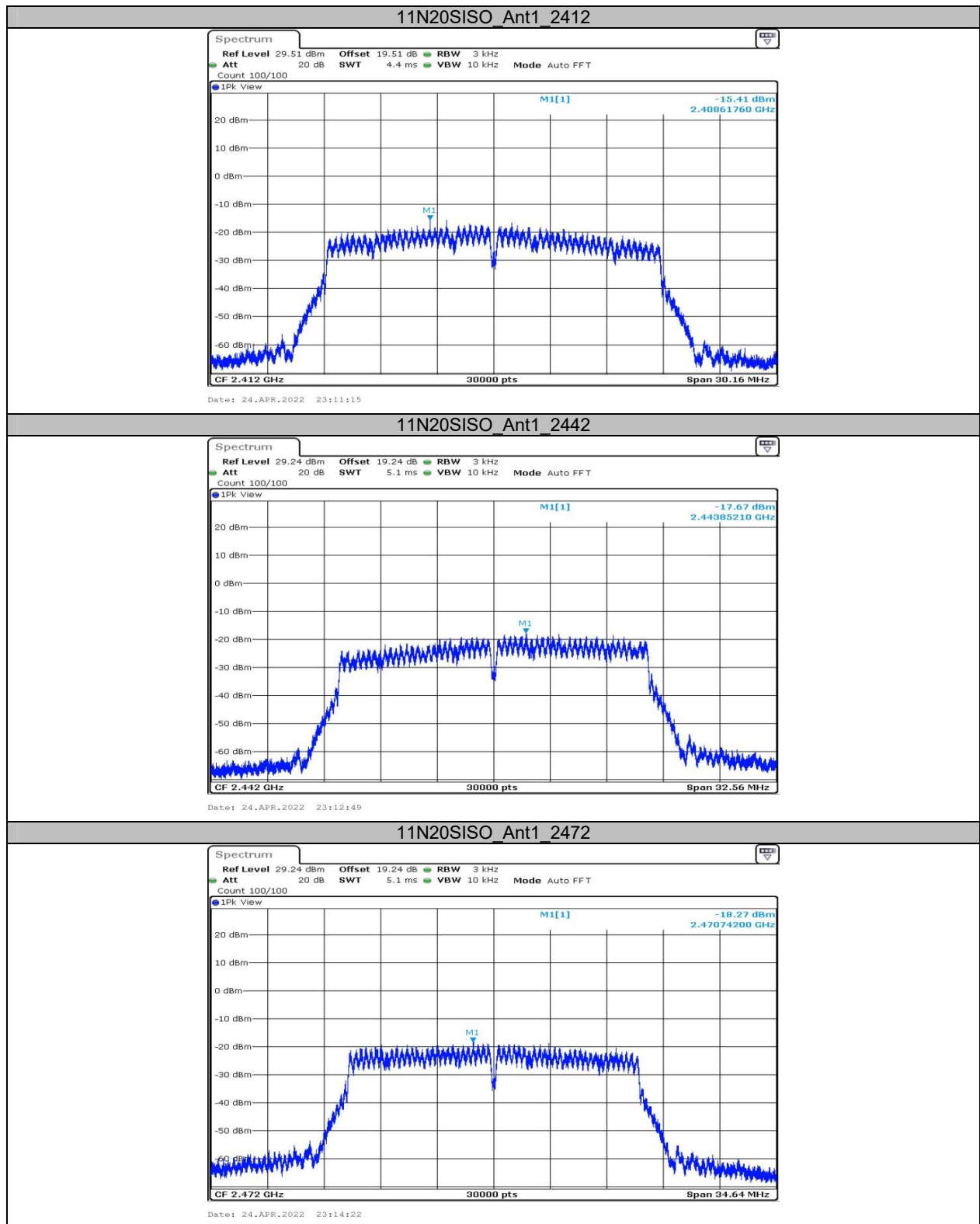


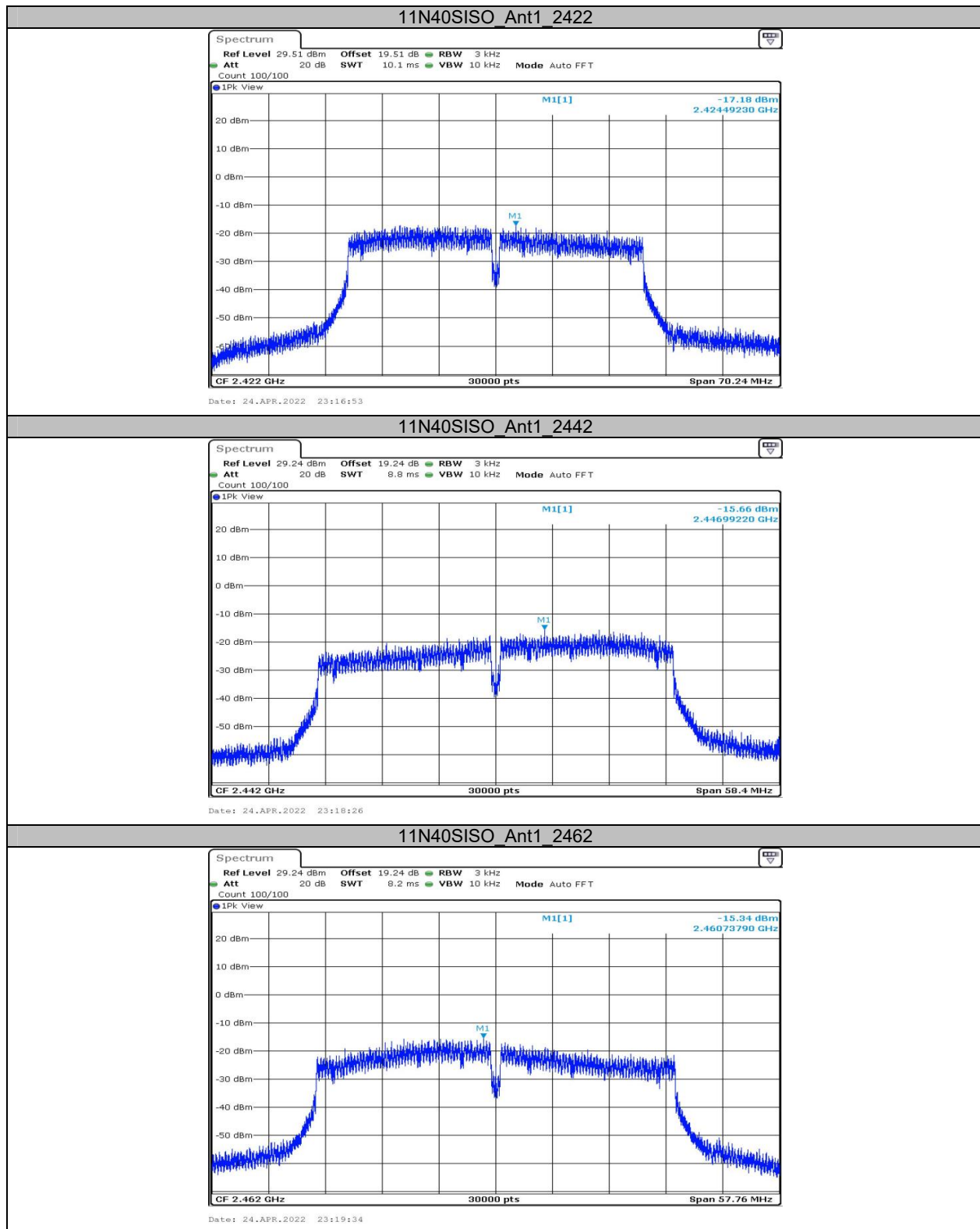
11G_Ant1_2442



11G_Ant1_2472

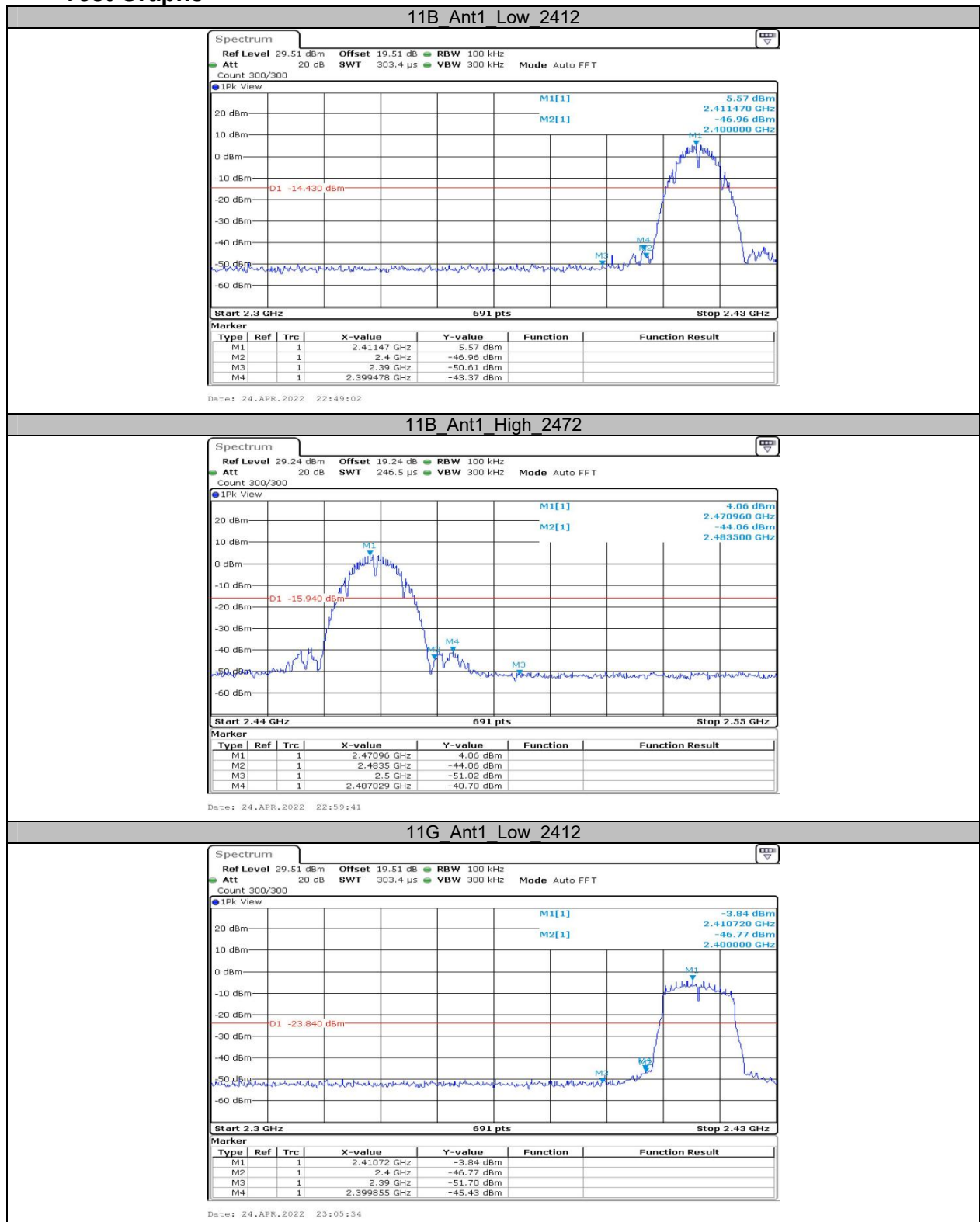




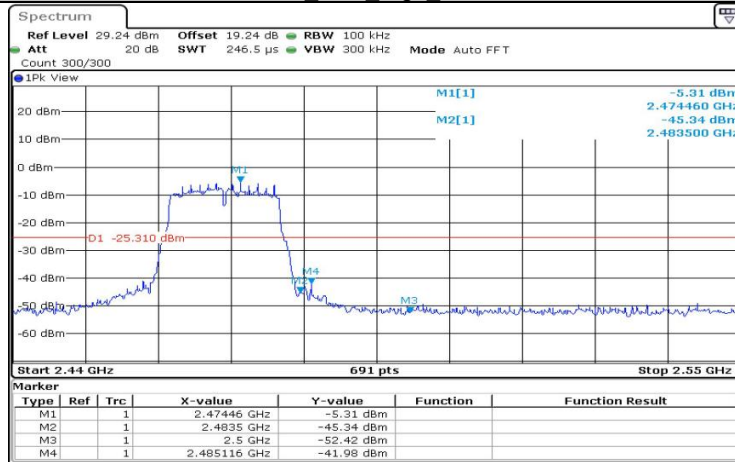


Appendix E: Band edge measurements

Test Graphs

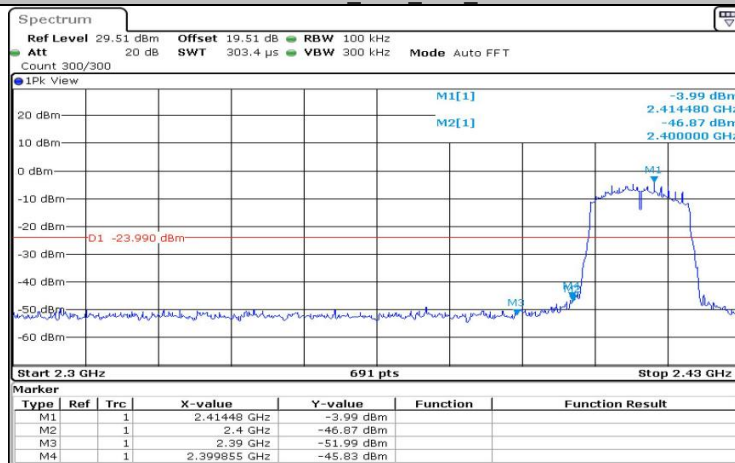


11G Ant1_High_2472



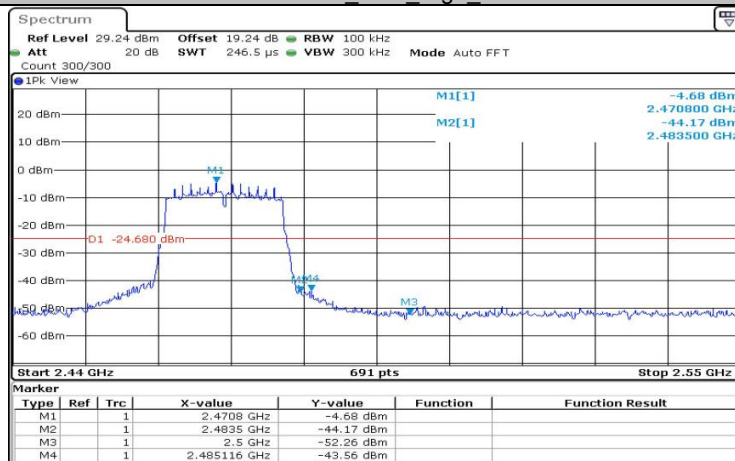
Date: 24.APR.2022 23:08:44

11N20SISO Ant1_Low_2412

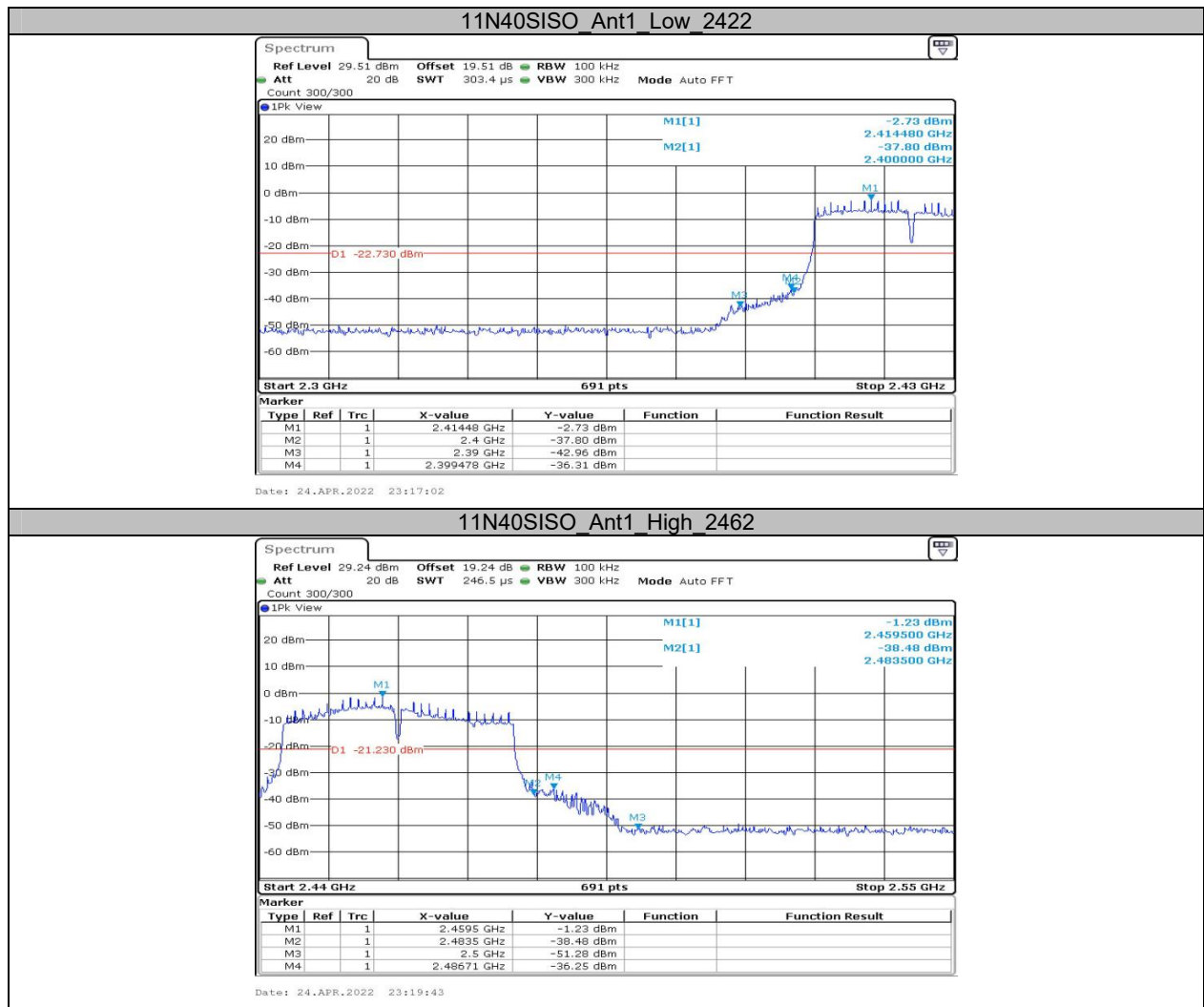


Date: 24.APR.2022 23:11:24

11N20SISO Ant1_High_2472



Date: 24.APR.2022 23:14:31



Appendix F: Duty Cycle Test Result

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11B	Ant1	2442	8.37	8.43	99.29
11G	Ant1	2442	1.39	1.44	96.53
11N20SISO	Ant1	2442	1.30	1.35	96.30
11N40SISO	Ant1	2442	0.64	0.69	92.75

Test Graphs



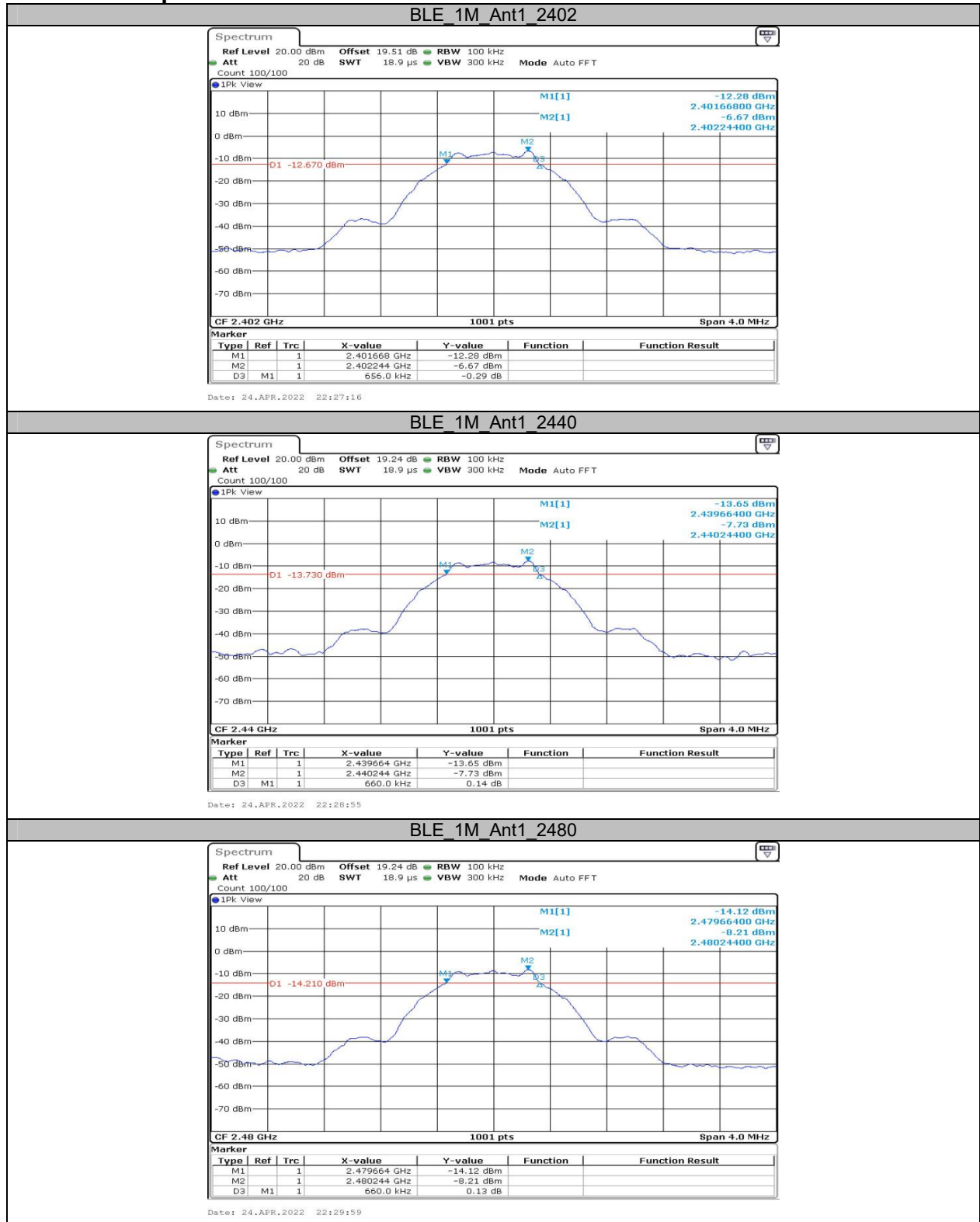


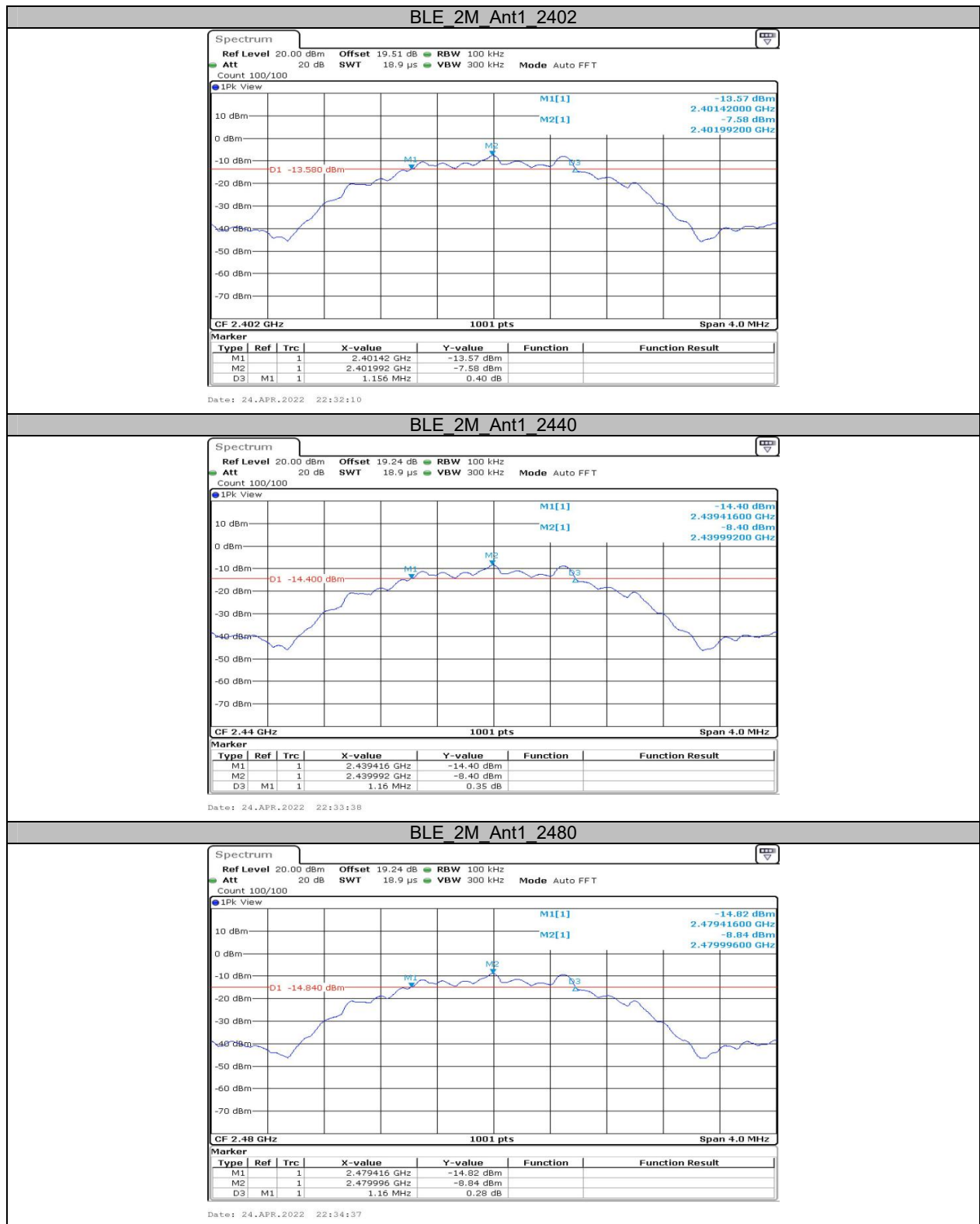
APPENDIX BLE

Appendix A: DTS Bandwidth Test Result

Test Mode	Antenna	Channel	DTS BW [MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.66	0.5	PASS
		2440	0.66	0.5	PASS
		2480	0.66	0.5	PASS
BLE_2M	Ant1	2402	1.16	0.5	PASS
		2440	1.16	0.5	PASS
		2480	1.16	0.5	PASS

Test Graphs

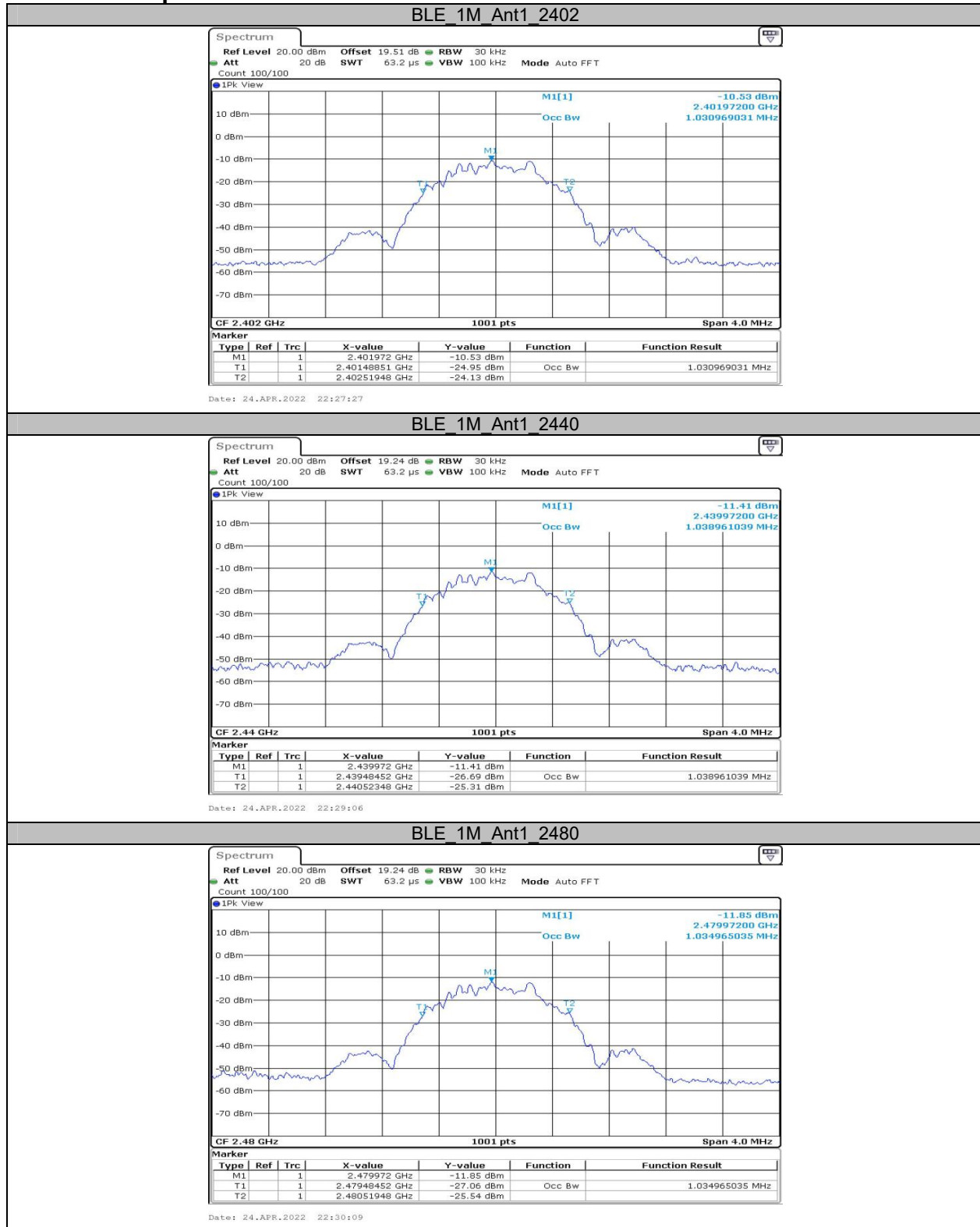




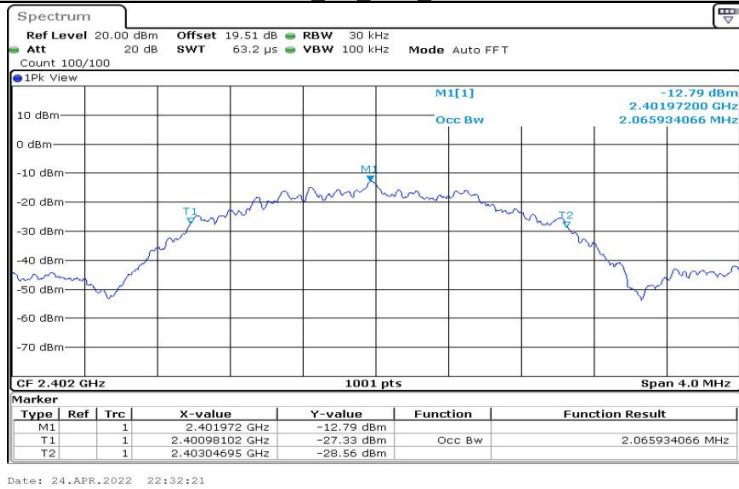
**Appendix B: Occupied Channel Bandwidth
Test Result**

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.031	2401.489	2402.519	---	---
		2440	1.039	2439.485	2440.523	---	---
		2480	1.035	2479.485	2480.519	---	---
BLE_2M	Ant1	2402	2.066	2400.981	2403.047	---	---
		2440	2.074	2438.973	2441.047	---	---
		2480	2.070	2478.973	2481.043	---	---

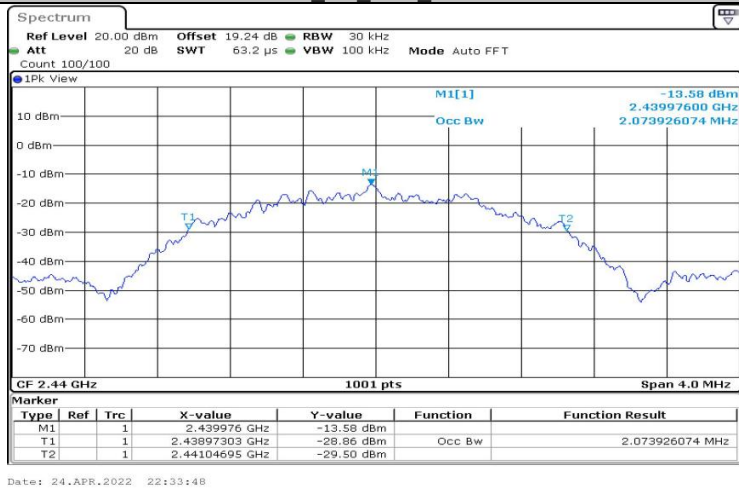
Test Graphs



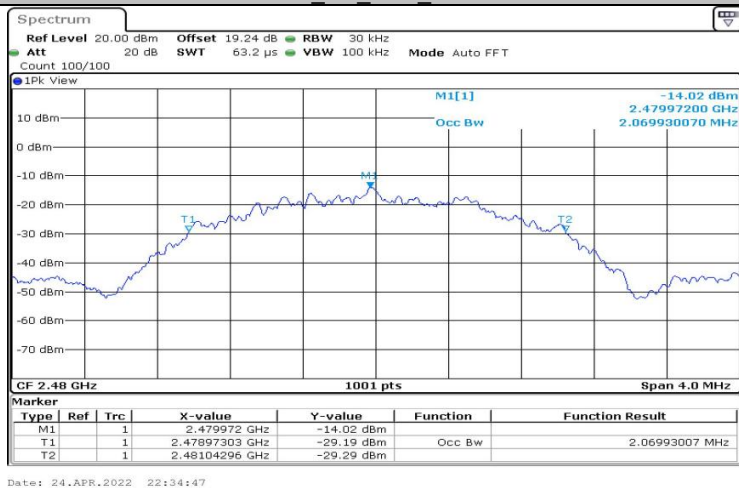
BLE 2M Ant1 2402



BLE 2M Ant1 2440



BLE 2M Ant1 2480

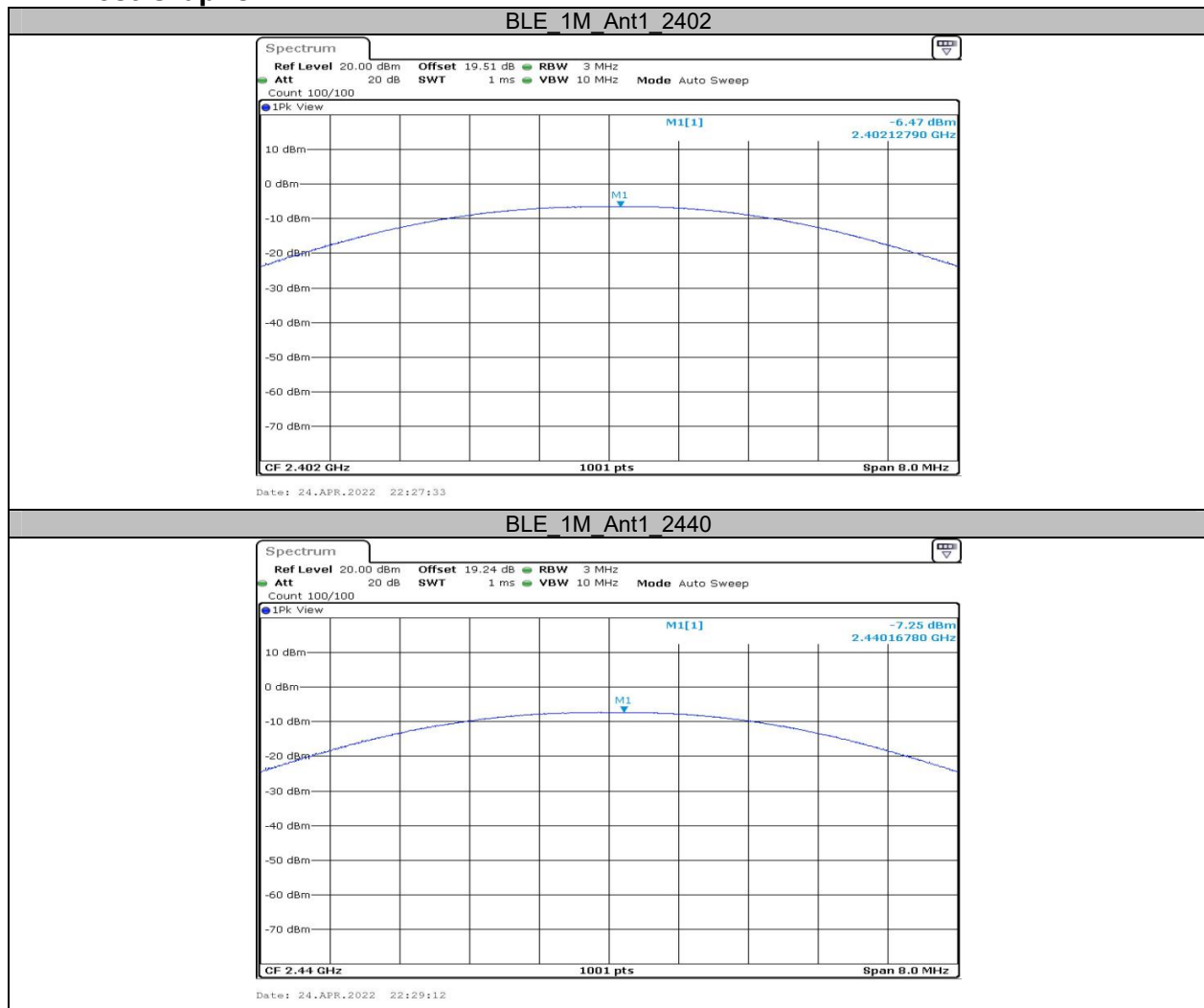


Appendix C: Maximum conducted output power Test Result

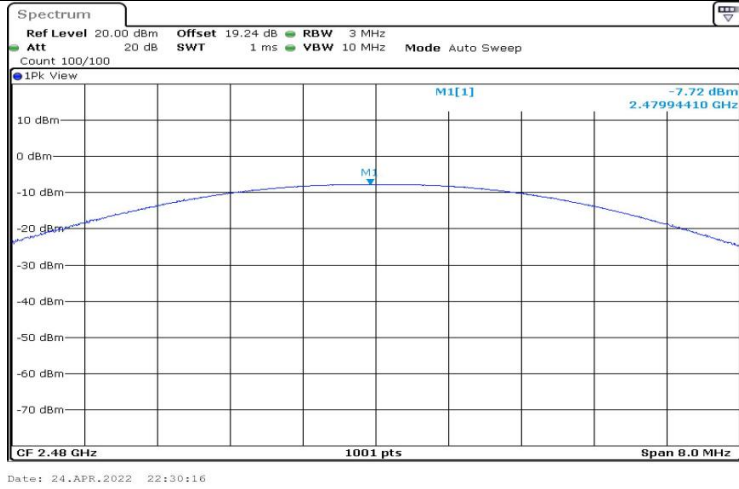
Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-6.47	≤30	PASS
		2440	-7.25	≤30	PASS
		2480	-7.72	≤30	PASS
BLE_2M	Ant1	2402	-6.59	≤30	PASS
		2440	-7.39	≤30	PASS
		2480	-7.78	≤30	PASS

Note: the antenna gain is 1.8dBi, the maximum EIRP=-4.67dBm<36dBm

Test Graphs



BLE_1M_Ant1_2480



BLE_2M_Ant1_2402



BLE_2M_Ant1_2440

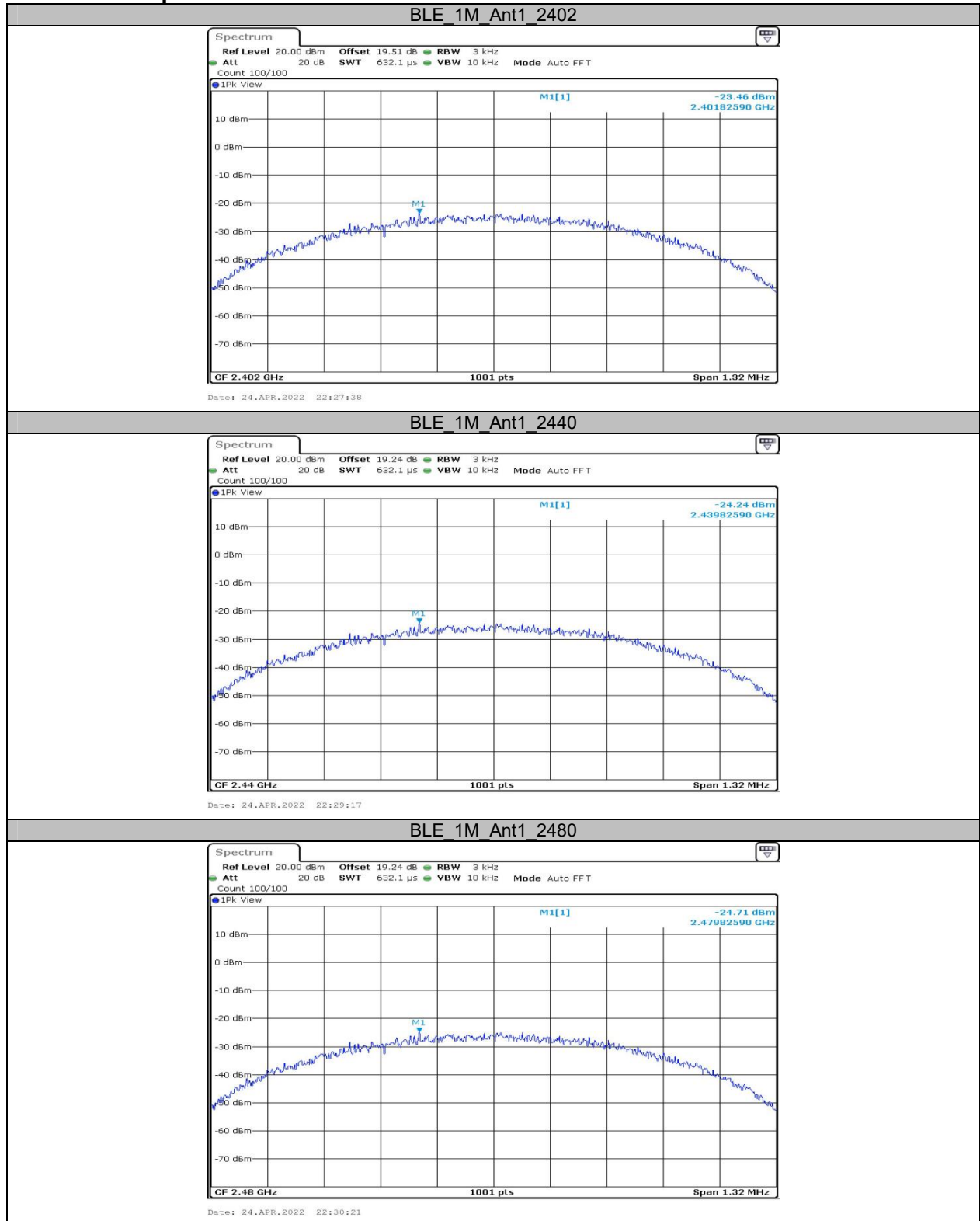




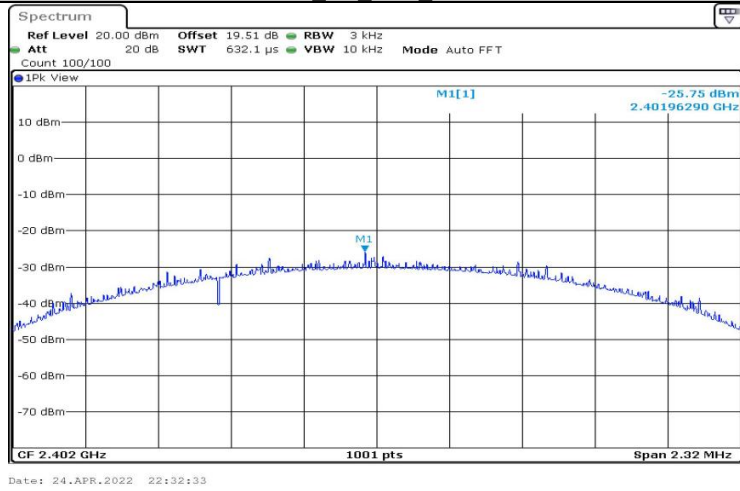
**Appendix D: Maximum power spectral density
Test Result**

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-23.46	≤8.00	PASS
		2440	-24.24	≤8.00	PASS
		2480	-24.71	≤8.00	PASS
BLE_2M	Ant1	2402	-25.75	≤8.00	PASS
		2440	-26.57	≤8.00	PASS
		2480	-27.00	≤8.00	PASS

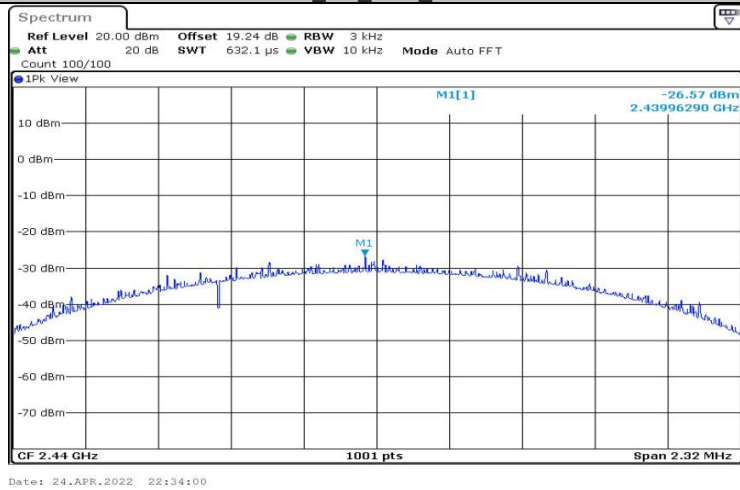
Test Graphs



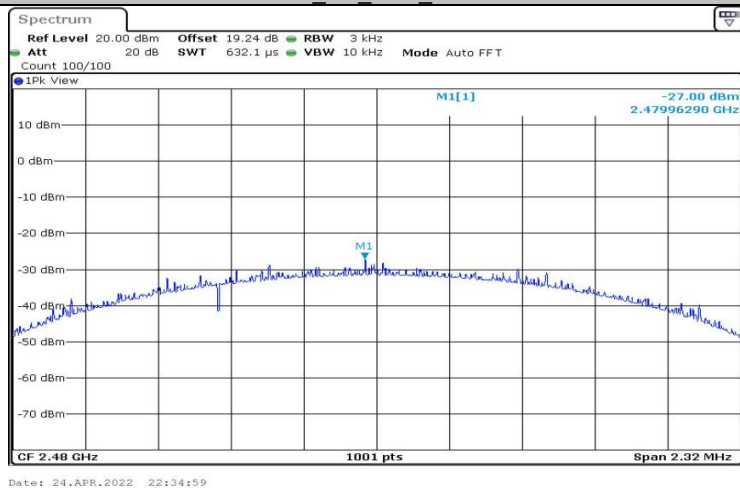
BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



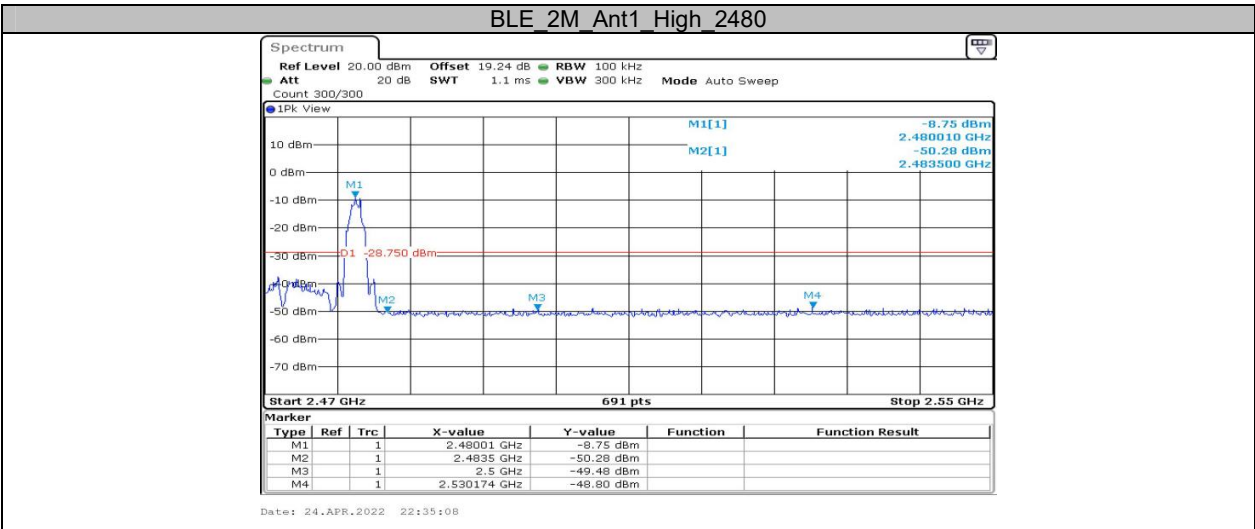
BLE_2M_Ant1_2480



Appendix E: Band edge measurements

Test Graphs

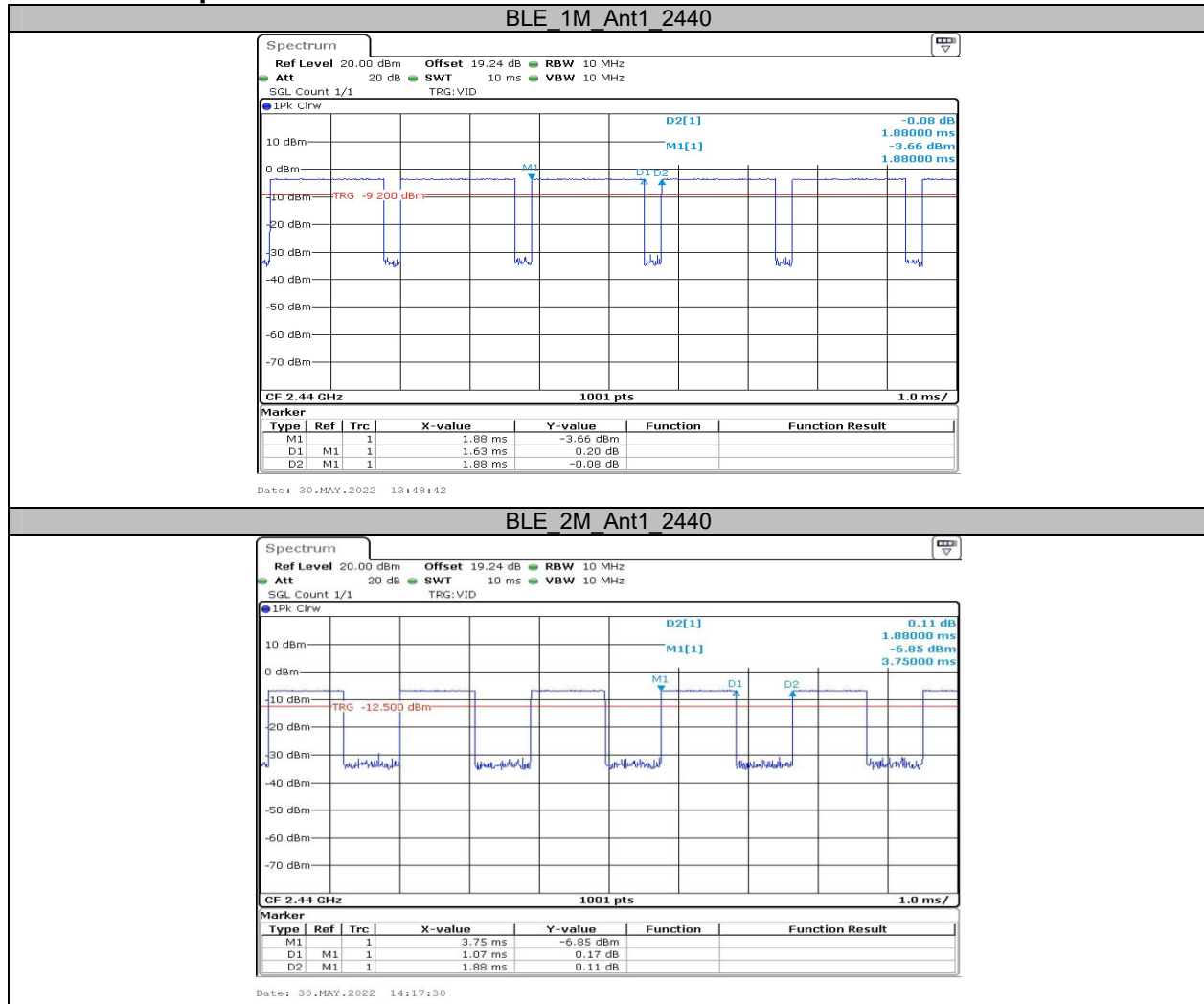




Appendix F: Duty Cycle Test Result

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
BLE_1M	Ant1	2440	1.63	1.88	86.70
BLE_2M	Ant1	2440	1.07	1.88	56.91

Test Graphs



***** END OF REPORT *****