

Appendix C: Maximum conducted output power Test Result

PK:

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	15.05	≤30.00	PASS
		2442	14.35	≤30.00	PASS
		2472	14.69	≤30.00	PASS
11G	Ant1	2412	18.95	≤30.00	PASS
		2442	18.16	≤30.00	PASS
		2472	18.58	≤30.00	PASS
11N20SISO	Ant1	2412	18.37	≤30.00	PASS
		2442	18.59	≤30.00	PASS
		2472	18.00	≤30.00	PASS
11N40SISO	Ant1	2422	18.52	≤30.00	PASS
		2442	17.89	≤30.00	PASS
		2462	18.70	≤30.00	PASS

Note: the antenna gain is -0.88dBi, the maximum EIRP=18.07dBm<36dBm

AV:

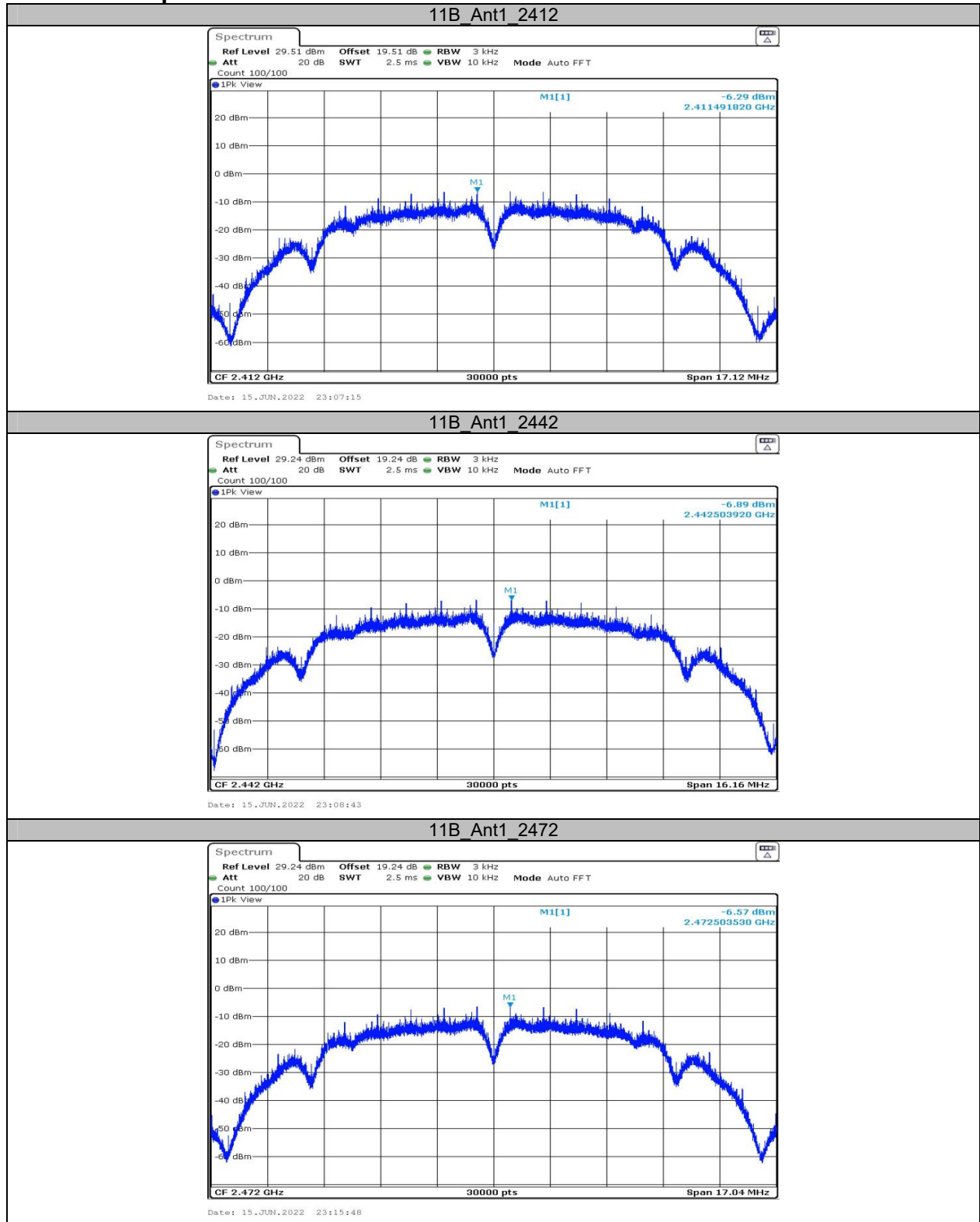
Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	12.92	≤30.00	PASS
		2442	11.96	≤30.00	PASS
		2472	12.61	≤30.00	PASS
11G	Ant1	2412	12.32	≤30.00	PASS
		2442	11.56	≤30.00	PASS
		2472	11.94	≤30.00	PASS
11N20SISO	Ant1	2412	11.39	≤30.00	PASS
		2442	11.80	≤30.00	PASS
		2472	11.26	≤30.00	PASS
11N40SISO	Ant1	2422	11.38	≤30.00	PASS
		2442	10.49	≤30.00	PASS
		2462	11.51	≤30.00	PASS

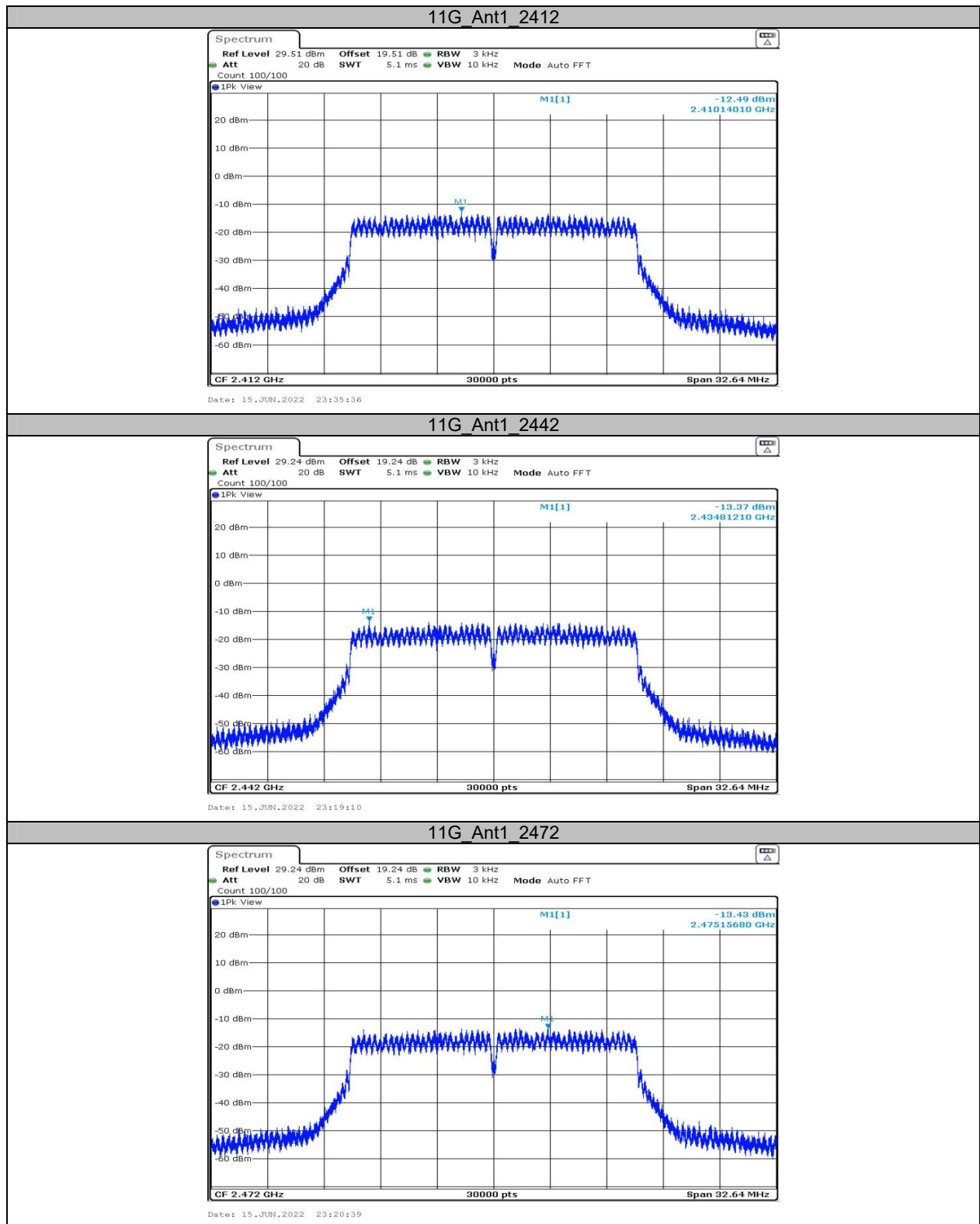
Note: the duty cycle factor has added into result.

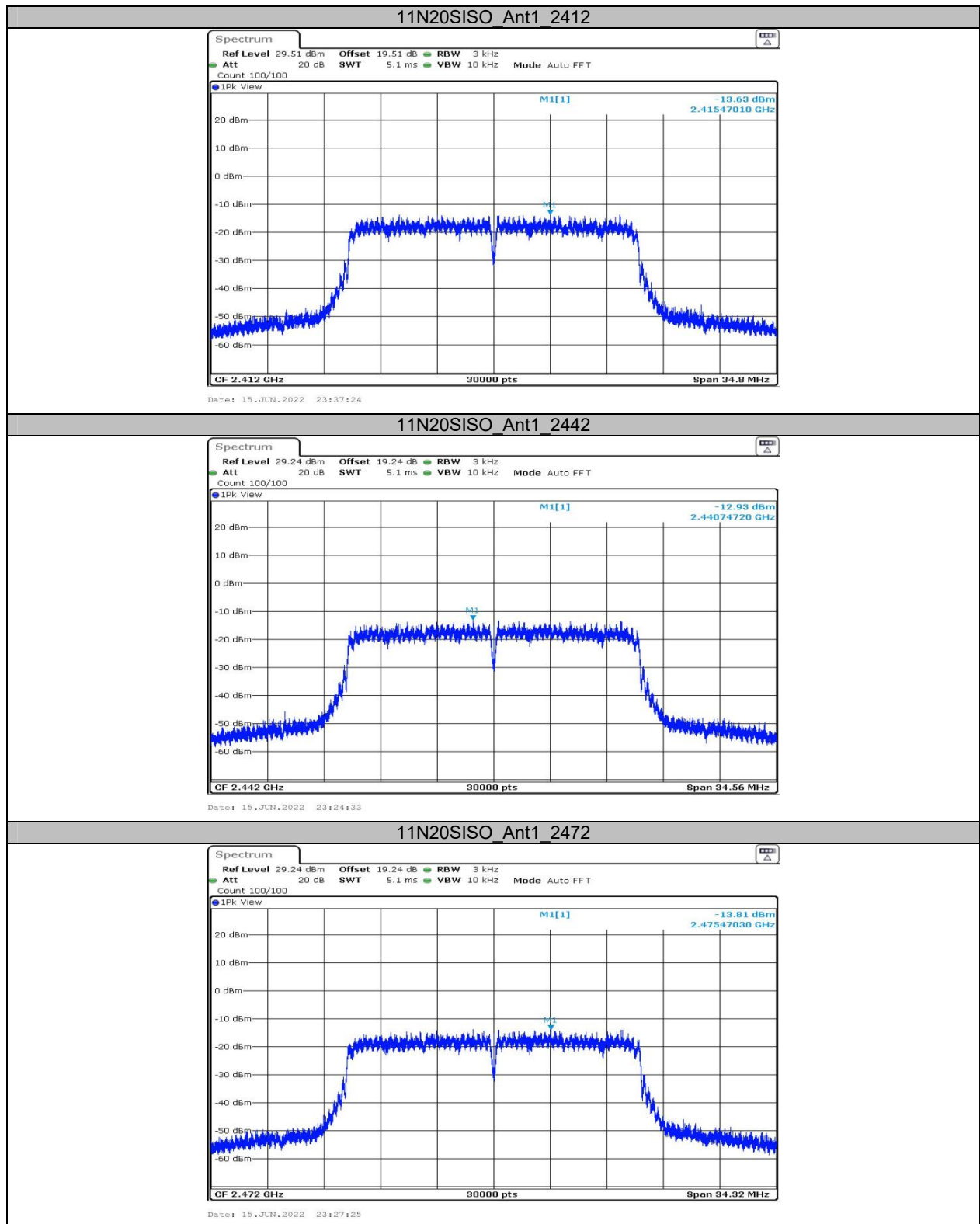
**Appendix D: Maximum power spectral density
Test Result**

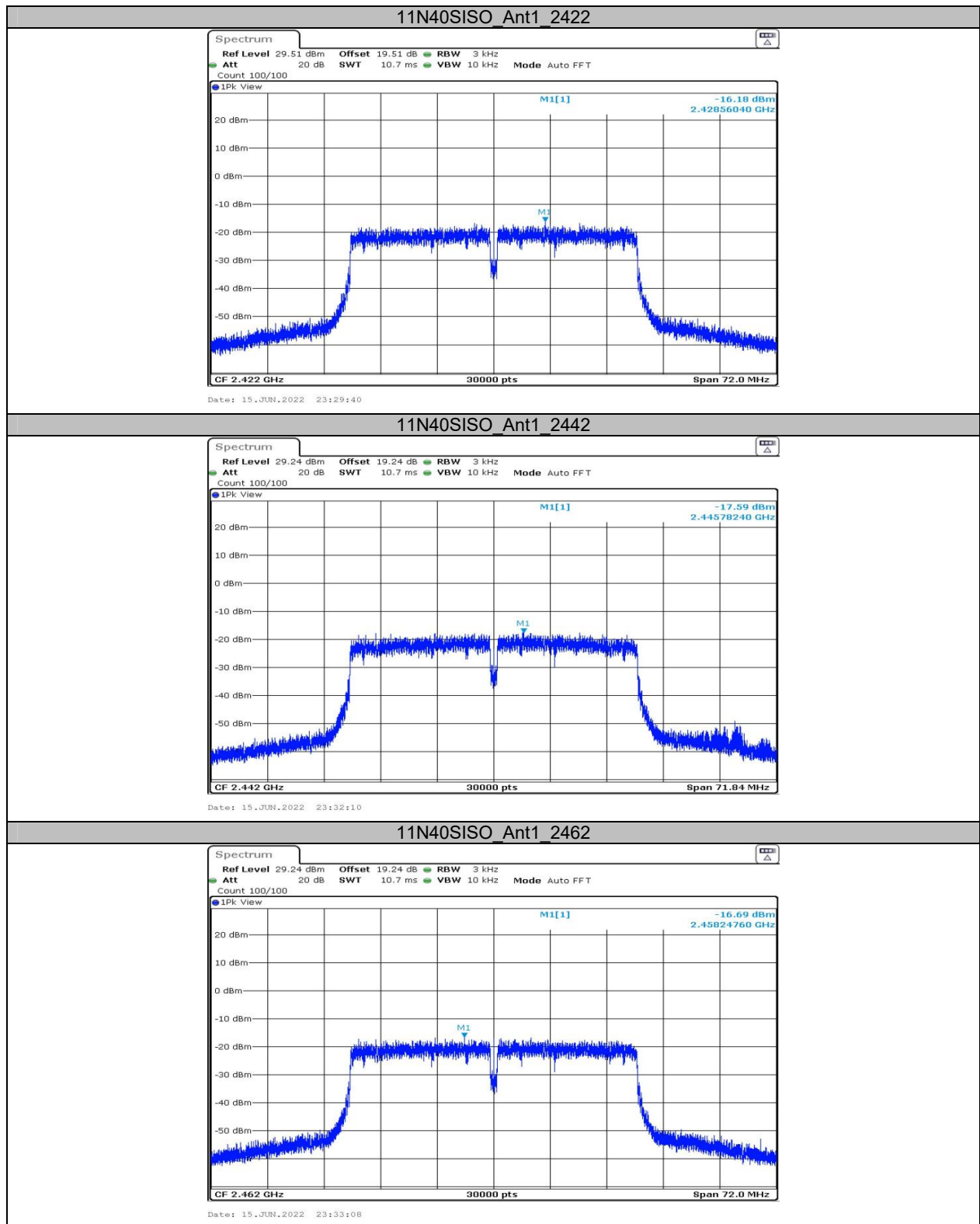
Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-6.29	≤8.00	PASS
		2442	-6.89	≤8.00	PASS
		2472	-6.57	≤8.00	PASS
11G	Ant1	2412	-12.49	≤8.00	PASS
		2442	-13.37	≤8.00	PASS
		2472	-13.43	≤8.00	PASS
11N20SISO	Ant1	2412	-13.63	≤8.00	PASS
		2442	-12.93	≤8.00	PASS
		2472	-13.81	≤8.00	PASS
11N40SISO	Ant1	2422	-16.18	≤8.00	PASS
		2442	-17.59	≤8.00	PASS
		2462	-16.69	≤8.00	PASS

Test Graphs

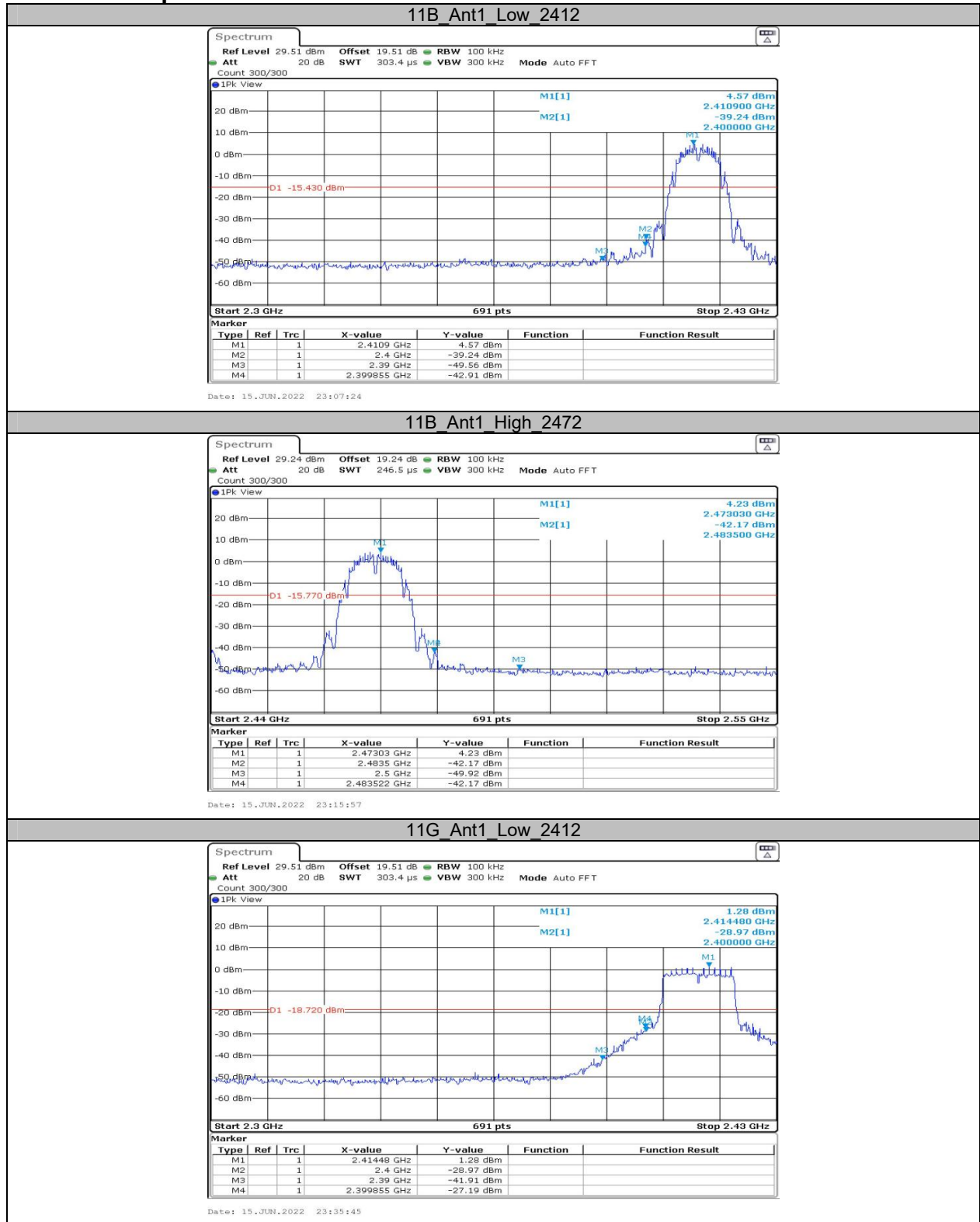




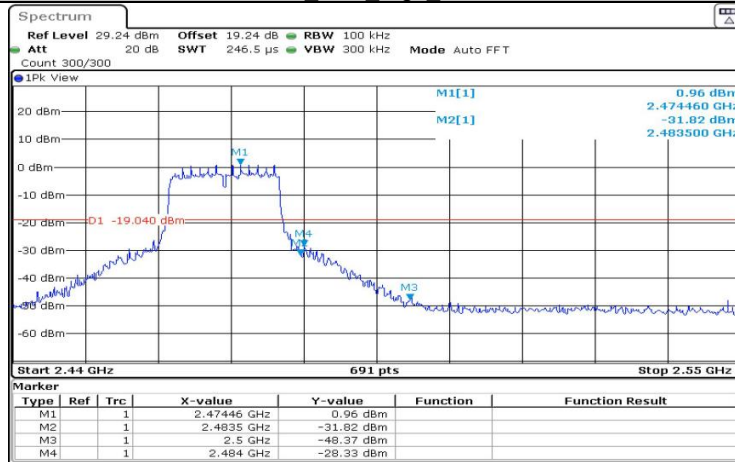




Appendix E: Band edge measurements Test Graphs

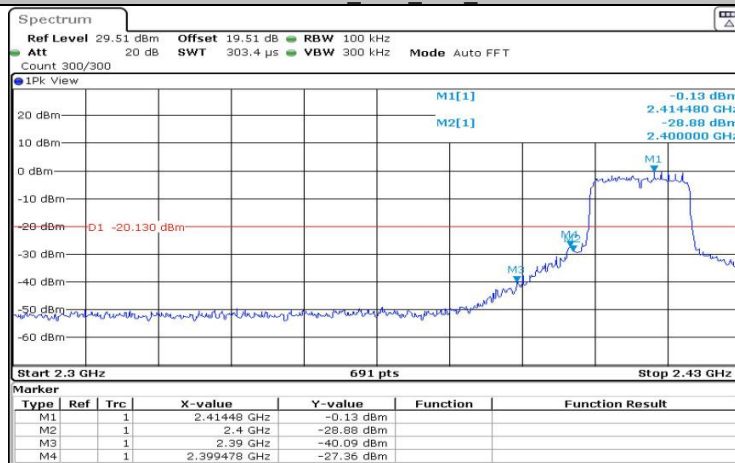


11G Ant1_High_2472



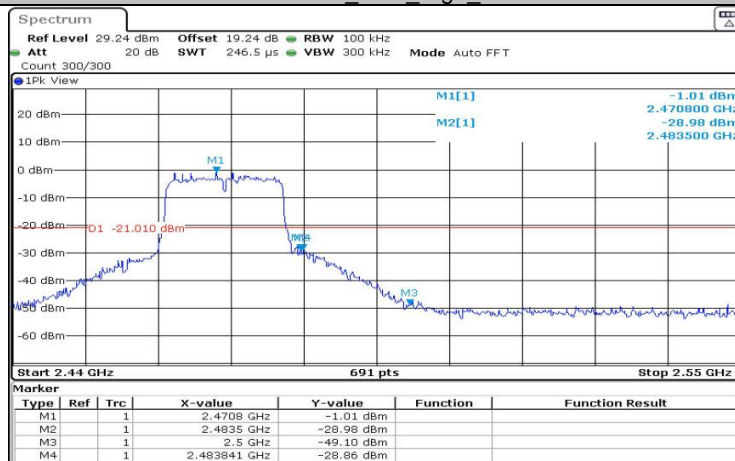
Date: 15 JUN, 2022 23:20:48

11N20SISO Ant1_Low_2412

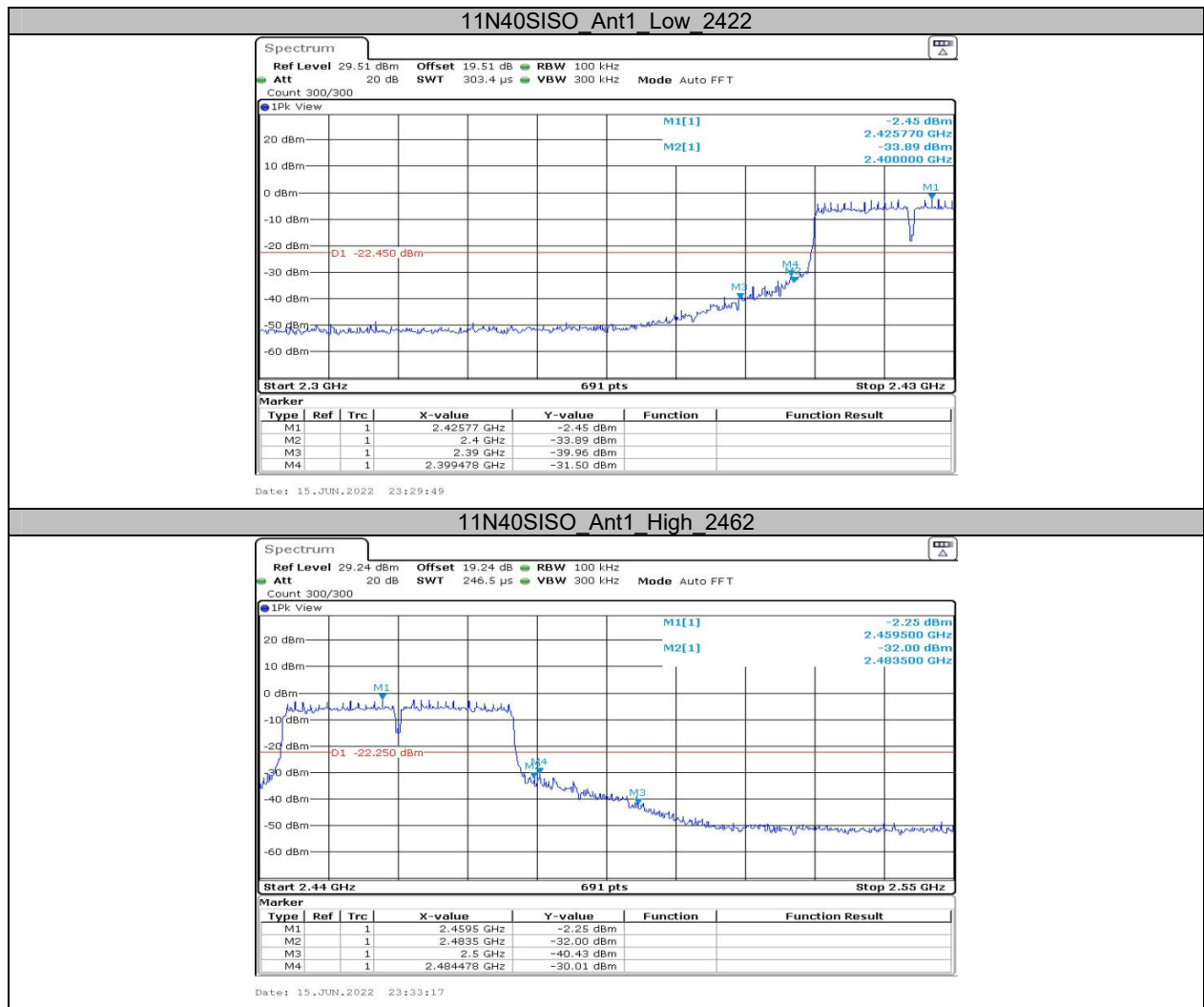


Date: 15 JUN, 2022 23:37:33

11N20SISO Ant1_High_2472



Date: 15 JUN, 2022 23:27:34

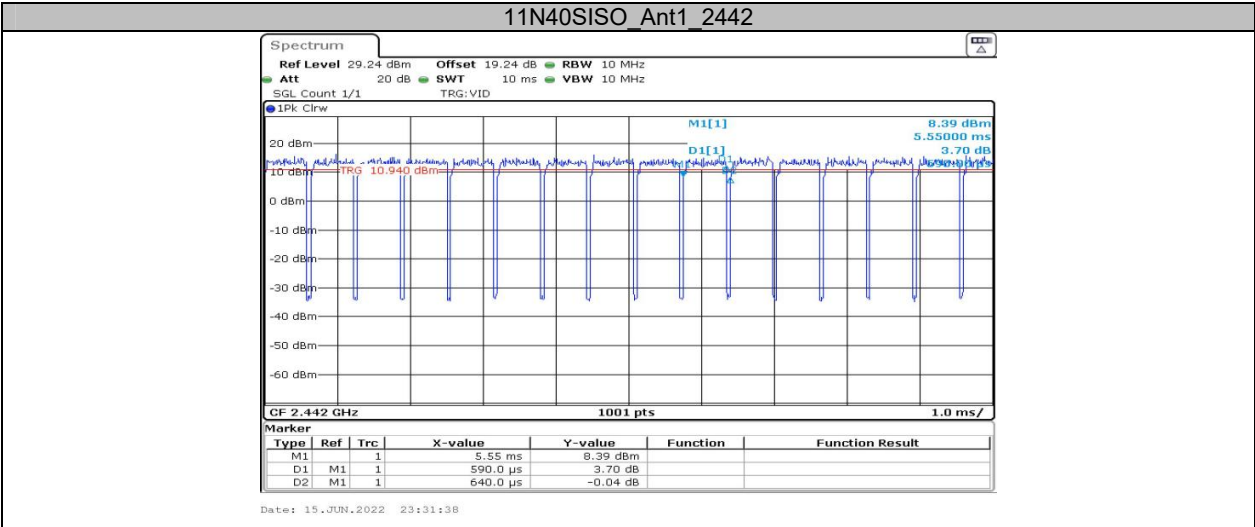


**Appendix F: Duty Cycle
Test Result**

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11B	Ant1	2442	8.40	8.46	99.29
11G	Ant1	2442	1.39	1.45	95.86
11N20SISO	Ant1	2442	1.18	1.24	95.16
11N40SISO	Ant1	2442	0.59	0.64	92.19

Test Graphs



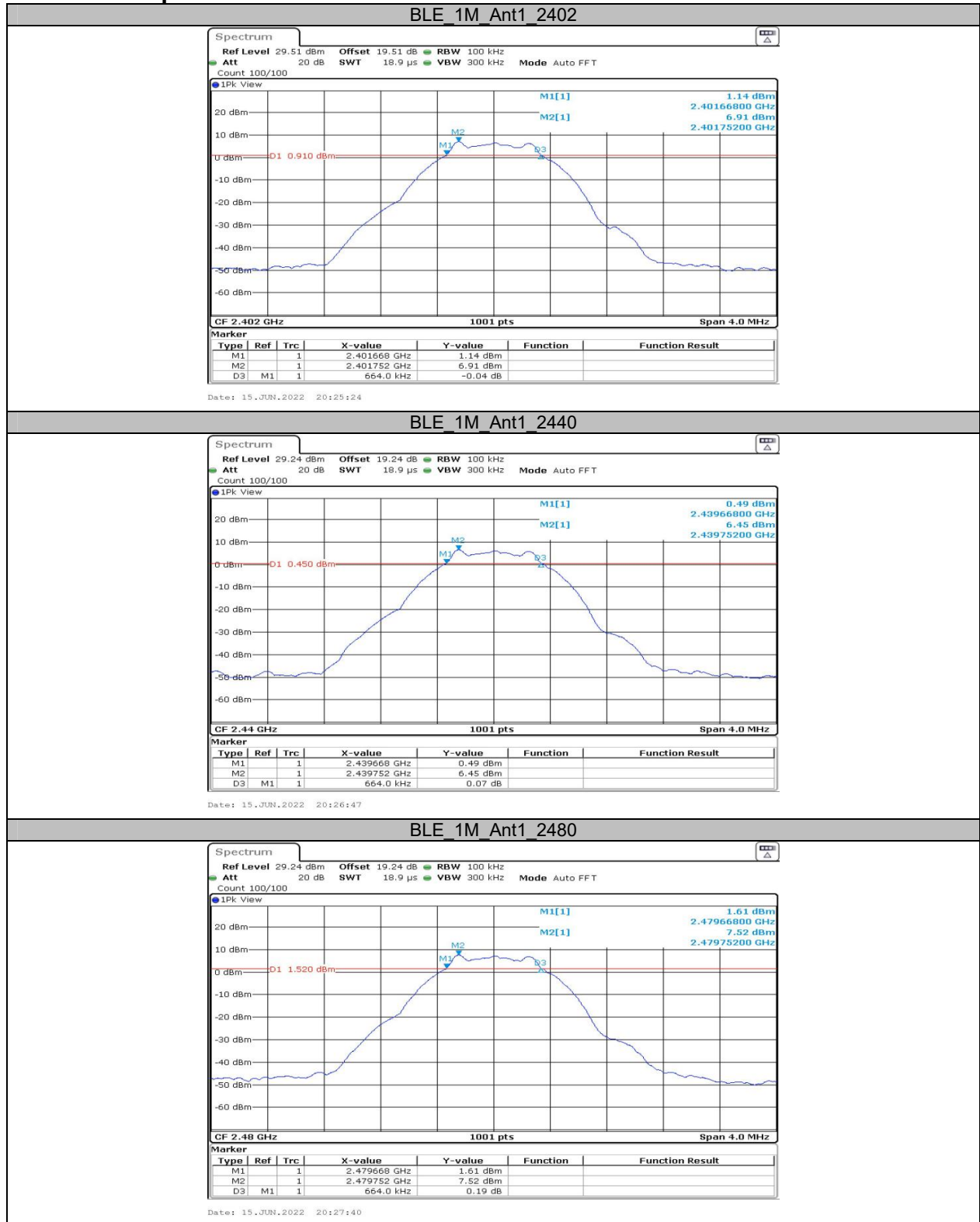


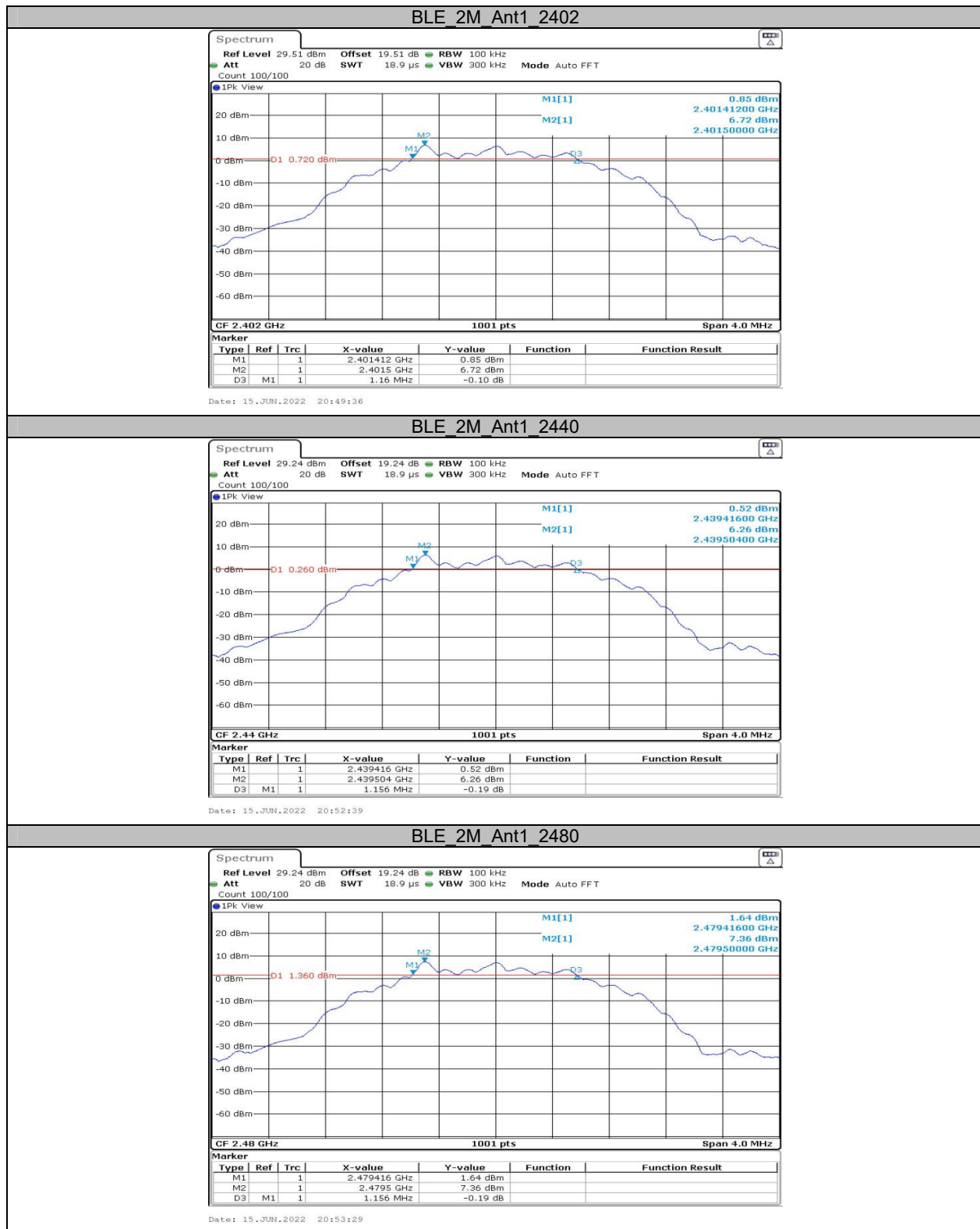
APPENDIX BLE

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

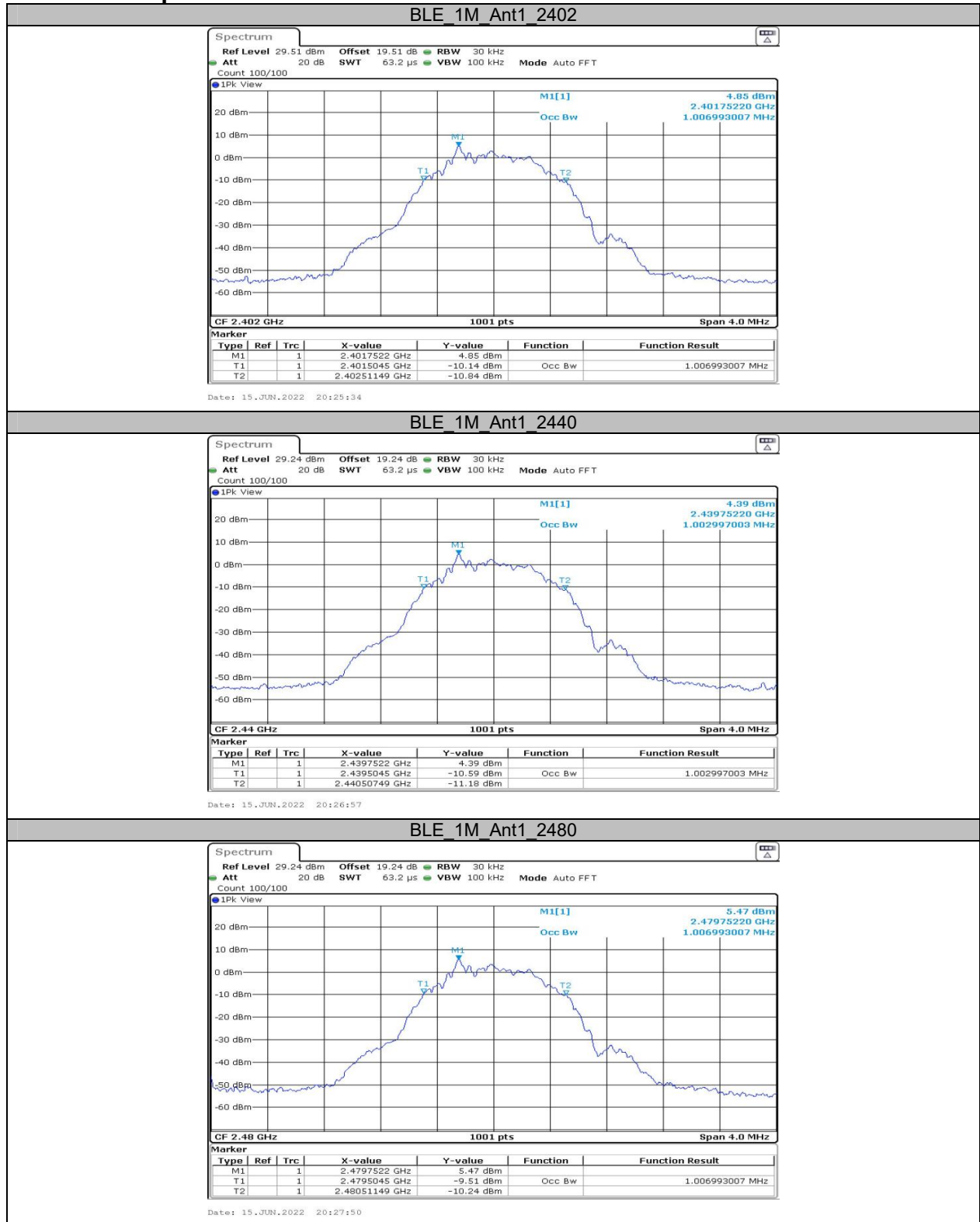


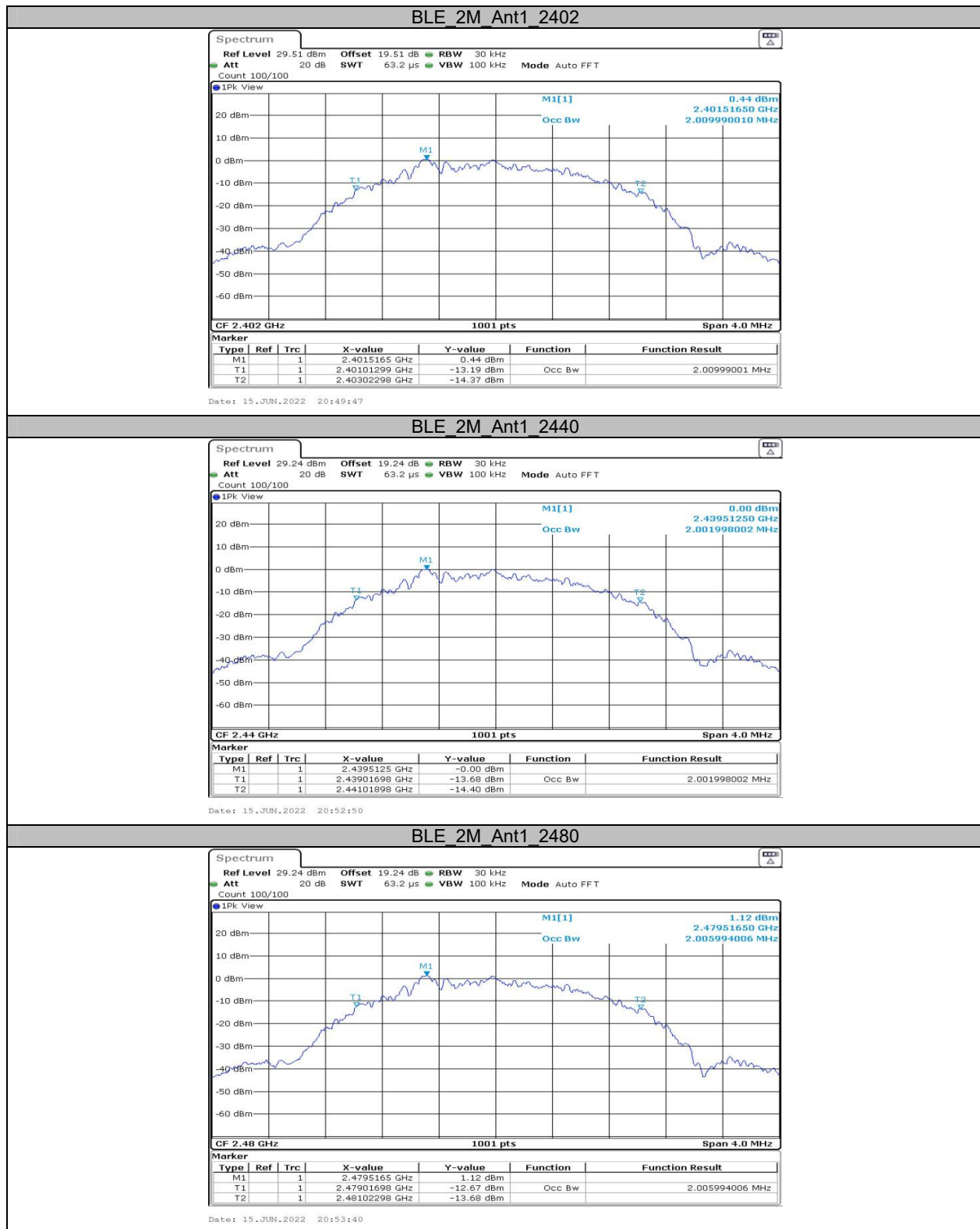


**Appendix B: Occupied Channel Bandwidth
Test Result**

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.007	2401.504	2402.511	---	---
		2440	1.003	2439.504	2440.507	---	---
		2480	1.007	2479.504	2480.511	---	---
BLE_2M	Ant1	2402	2.01	2401.013	2403.023	---	---
		2440	2.002	2439.017	2441.019	---	---
		2480	2.006	2479.017	2481.023	---	---

Test Graphs



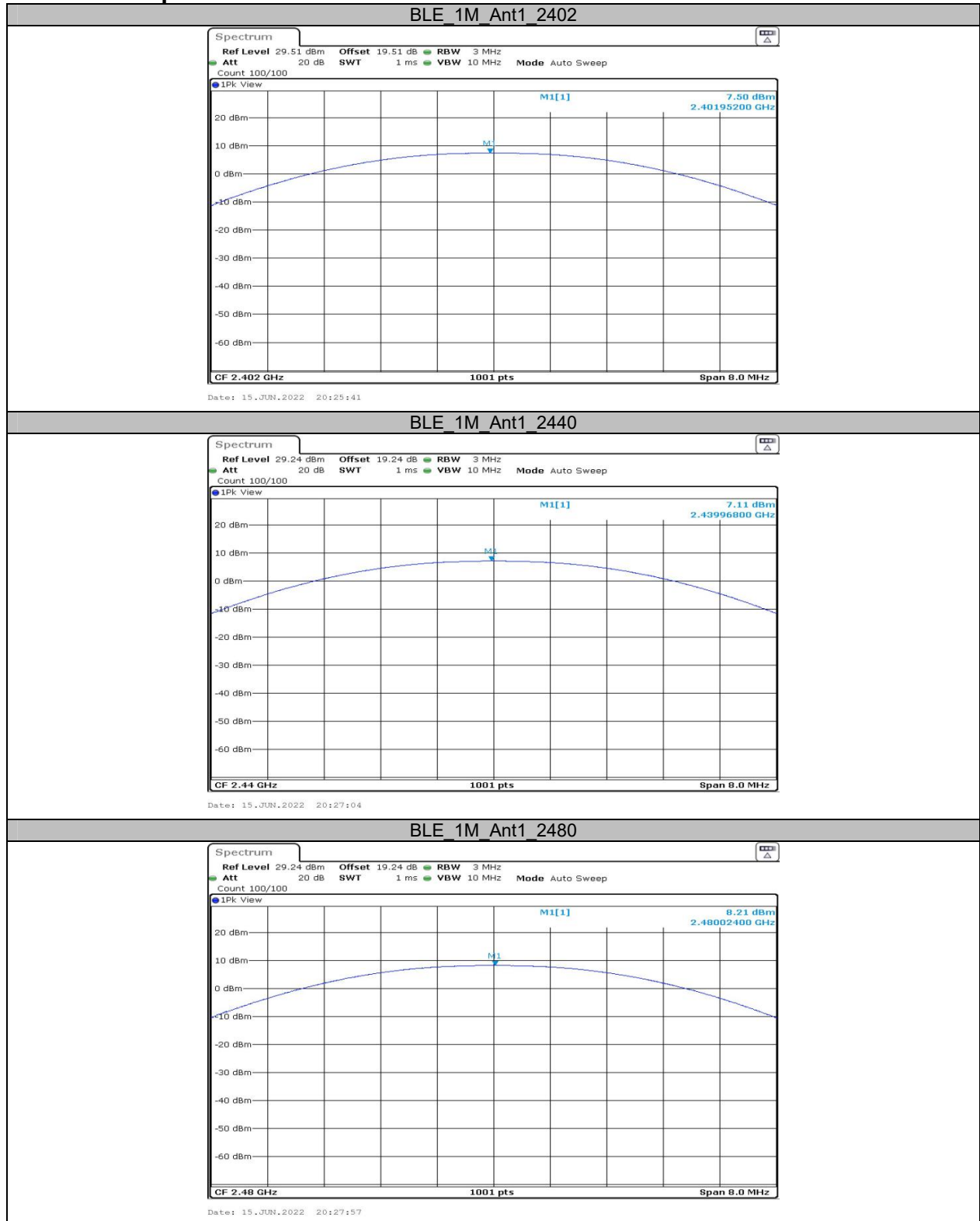


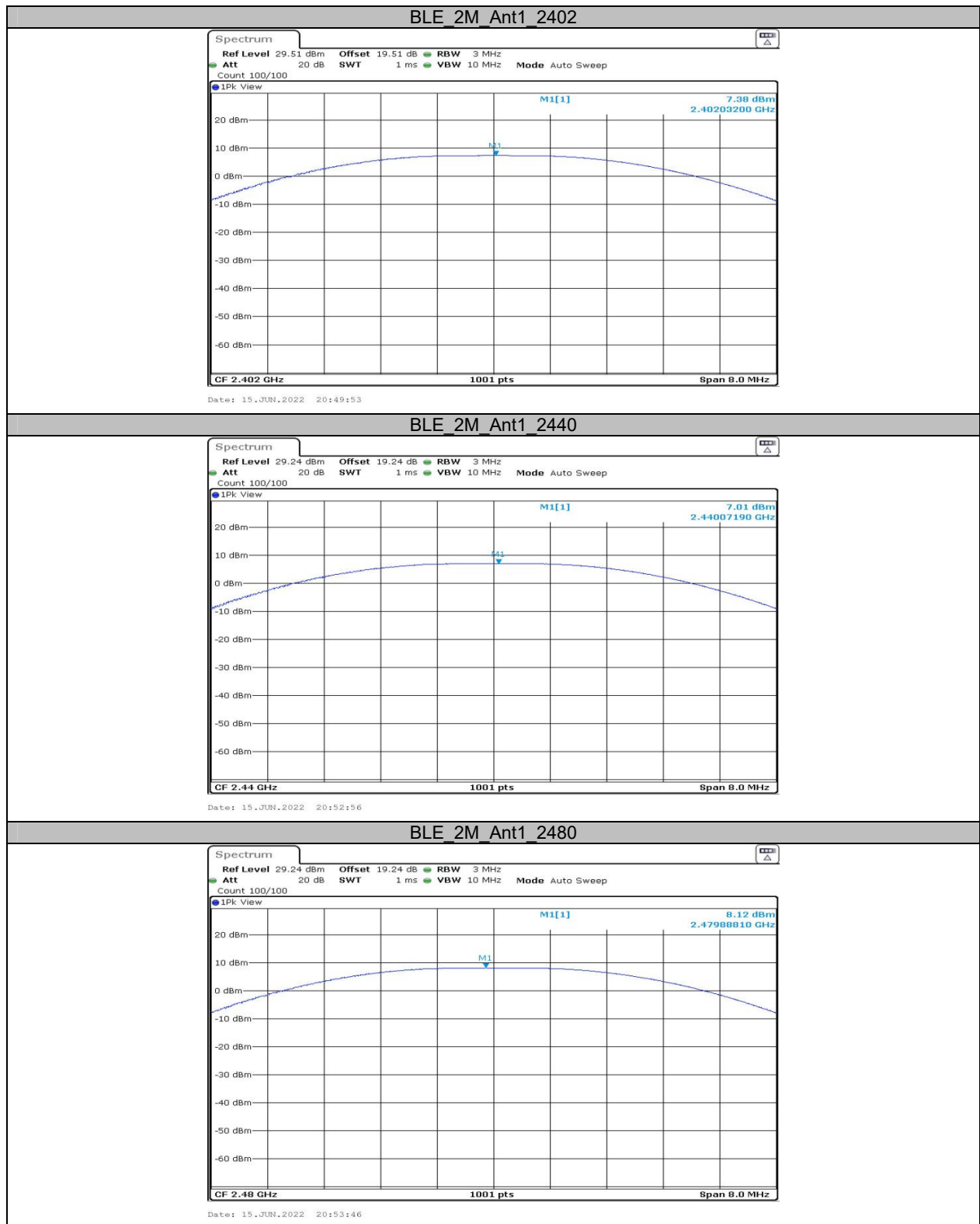
**Appendix C: Maximum conducted Peak output power
Test Result**

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	7.50	≤30	PASS
		2440	7.11	≤30	PASS
		2480	8.21	≤30	PASS
BLE_2M	Ant1	2402	7.38	≤30	PASS
		2440	7.01	≤30	PASS
		2480	8.12	≤30	PASS

Note: the antenna gain is -0.88dBi, the maximum EIRP=18.07dBm<36dBm

Test Graphs

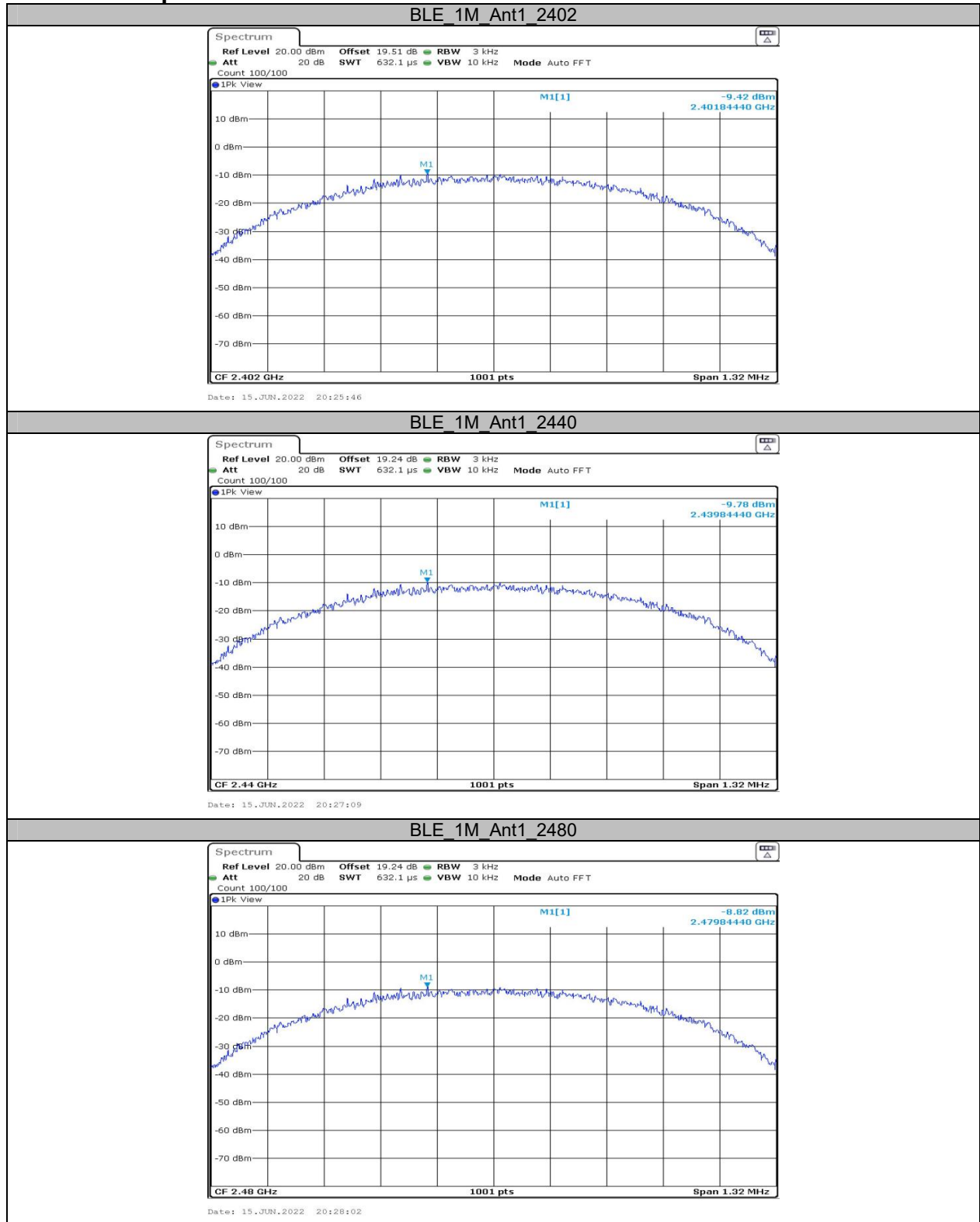




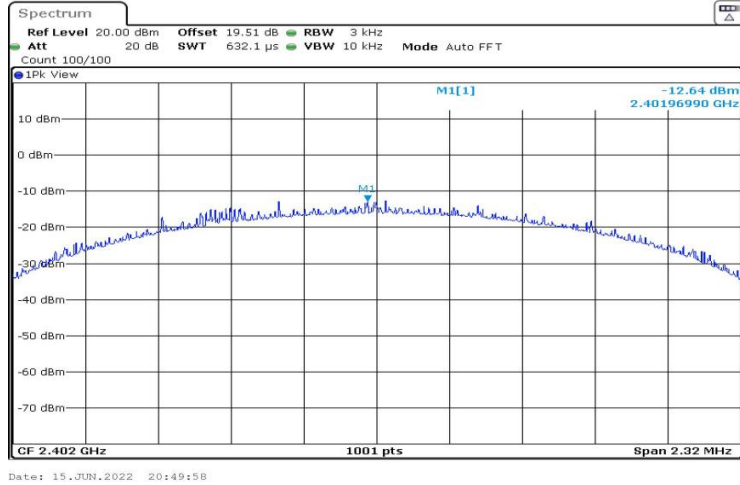
**Appendix D: Maximum power spectral density
Test Result**

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-9.42	≤8.00	PASS
		2440	-9.78	≤8.00	PASS
		2480	-8.82	≤8.00	PASS
BLE_2M	Ant1	2402	-12.64	≤8.00	PASS
		2440	-13.04	≤8.00	PASS
		2480	-11.92	≤8.00	PASS

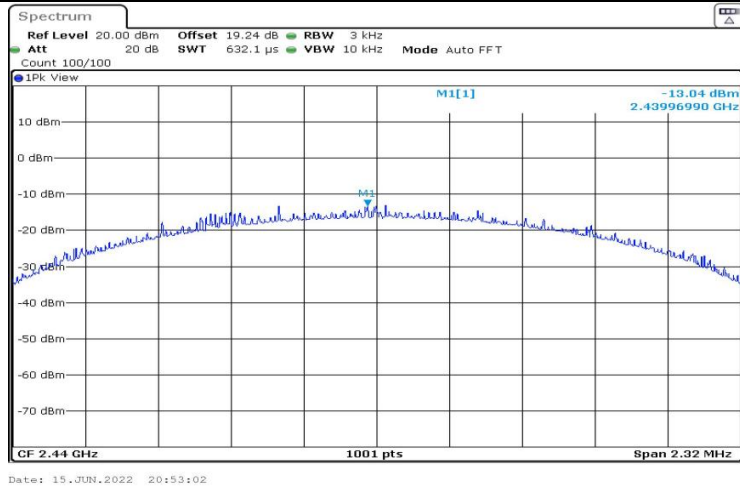
Test Graphs



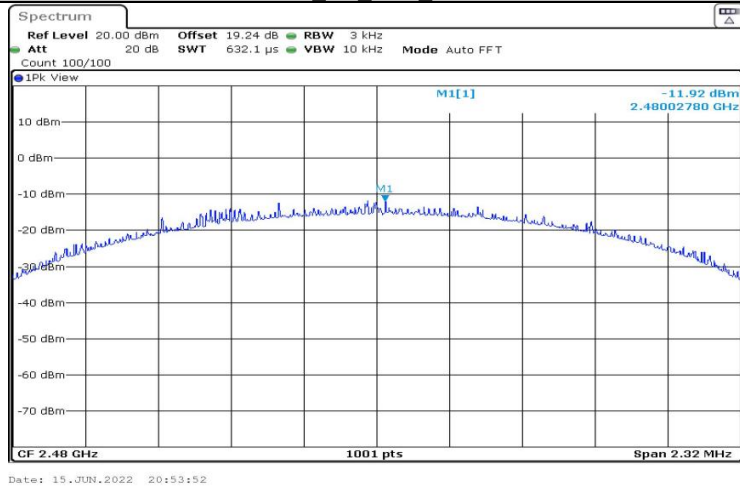
BLE 2M Ant1 2402



BLE 2M Ant1 2440



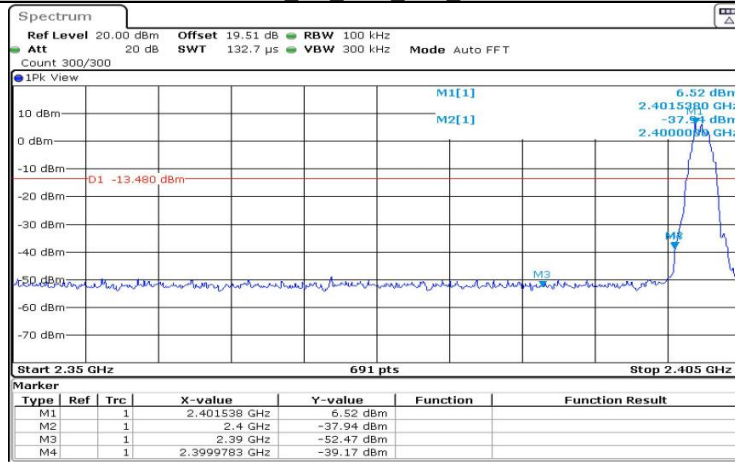
BLE 2M Ant1 2480



Appendix E: Band edge measurements Test Graphs

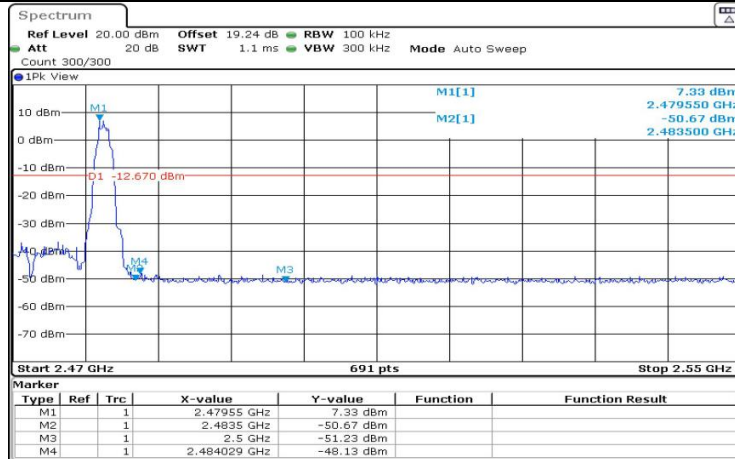


BLE 2M Ant1 Low 2402



Date: 15 JUN 2022 20:50:07

BLE 2M Ant1 High 2480

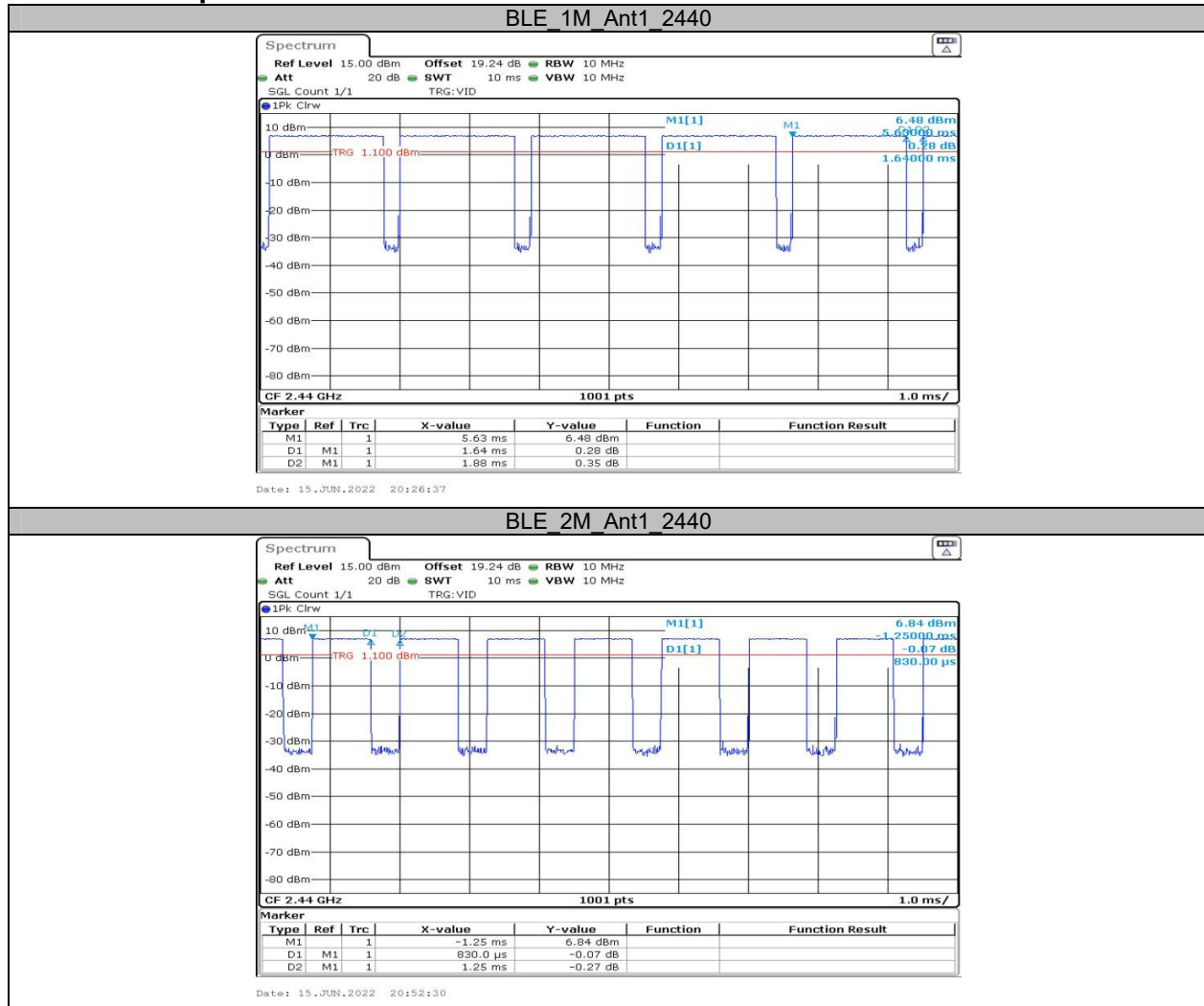


Date: 15 JUN 2022 20:54:01

Appendix F: Duty Cycle Test Result

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
BLE_1M	Ant1	2440	1.64	1.88	87.23
BLE_2M	Ant1	2440	0.83	1.25	66.40

Test Graphs



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