

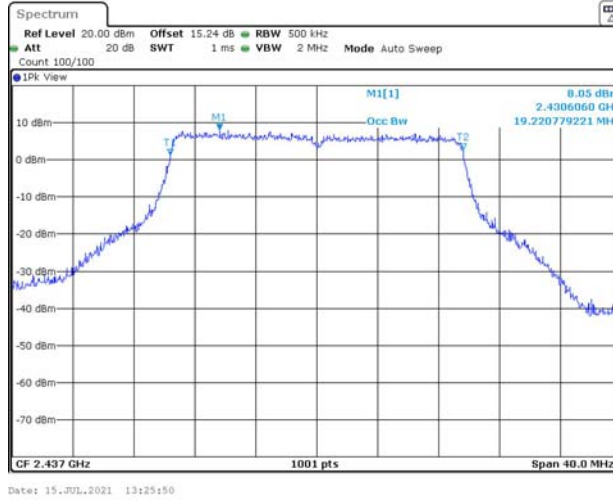
11AX20MIMO Ant1 2412

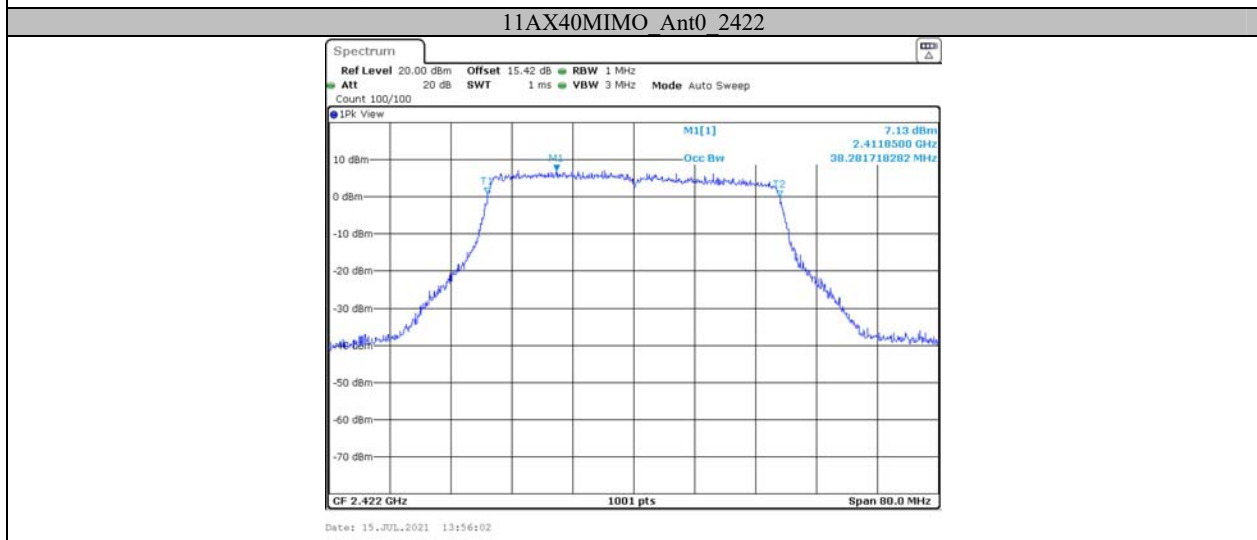
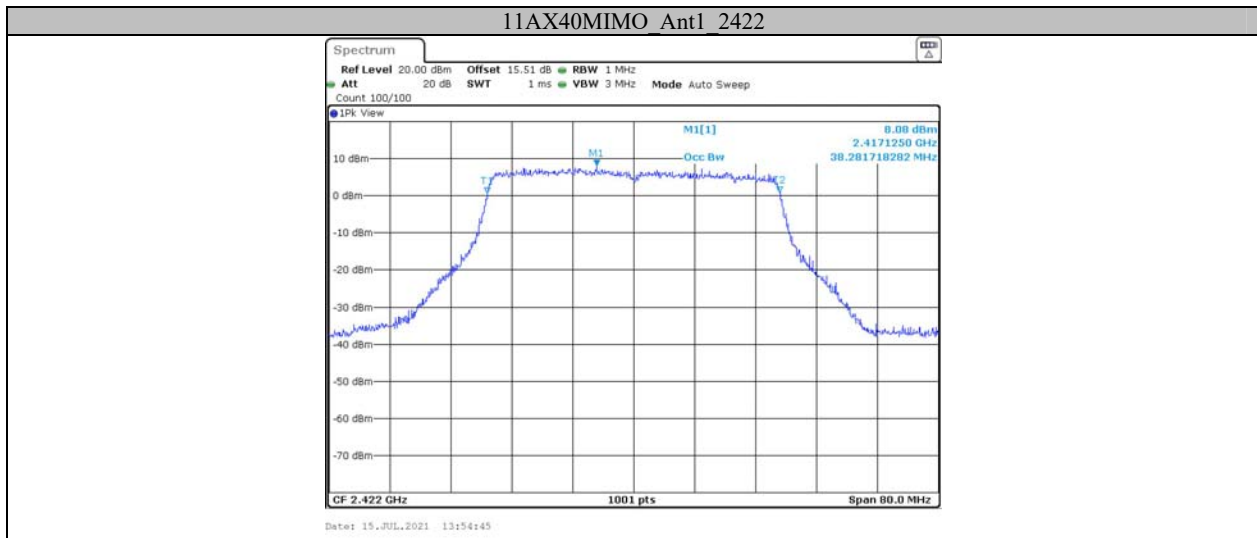


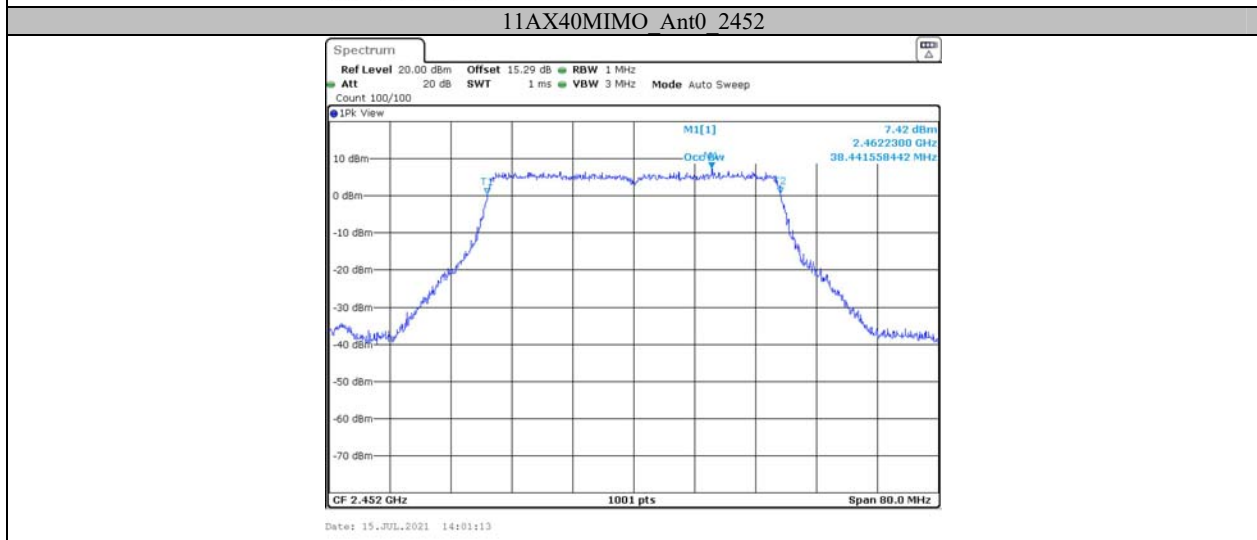
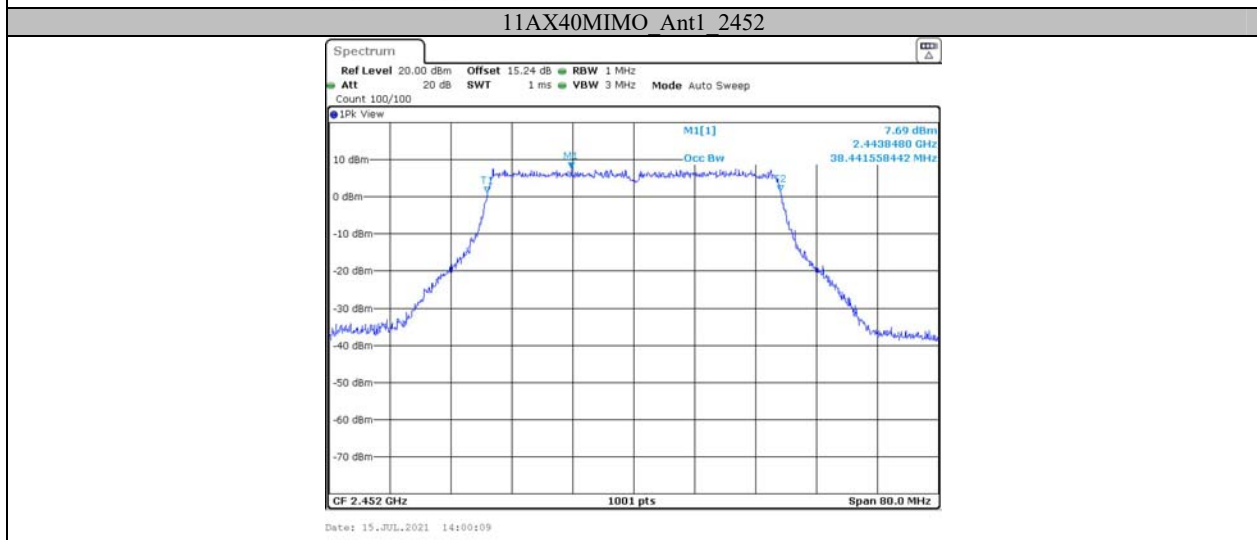
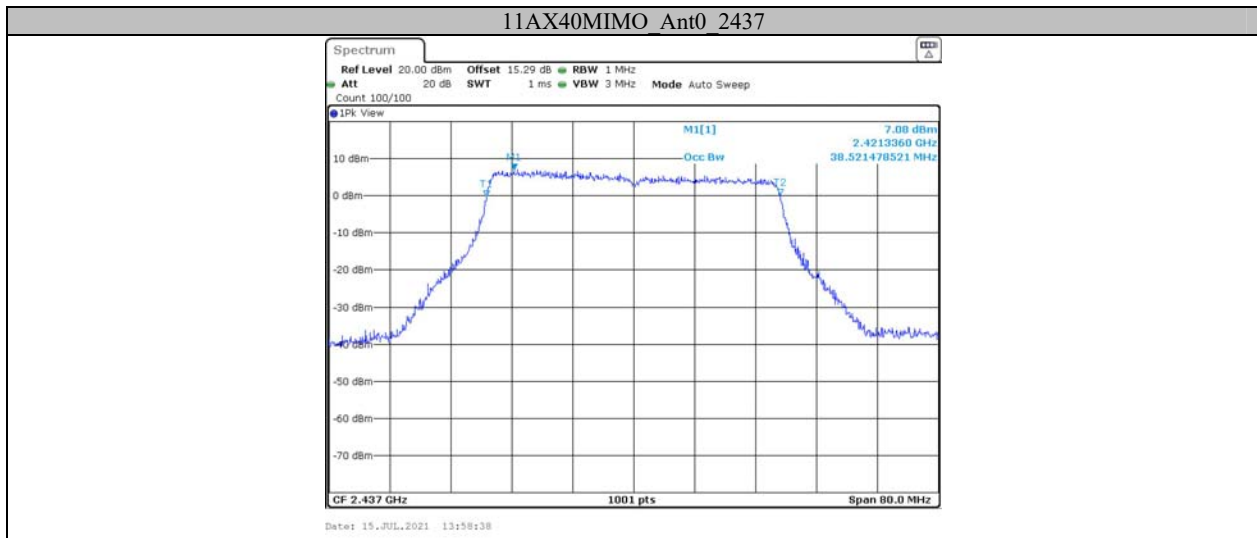
11AX20MIMO Ant0 2412



11AX20MIMO Ant1 2437







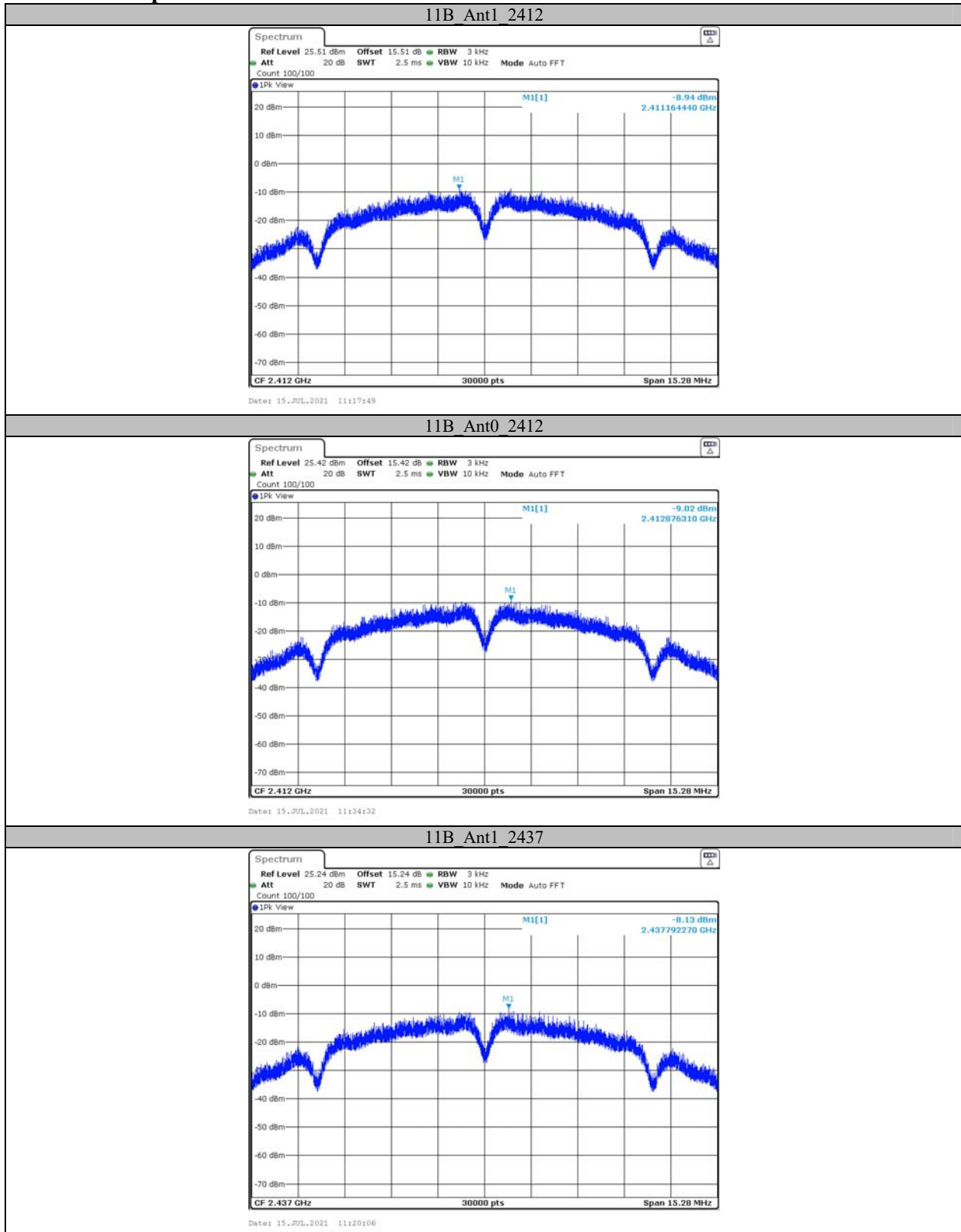
**Appendix C: Maximum conducted output power
Test Result**

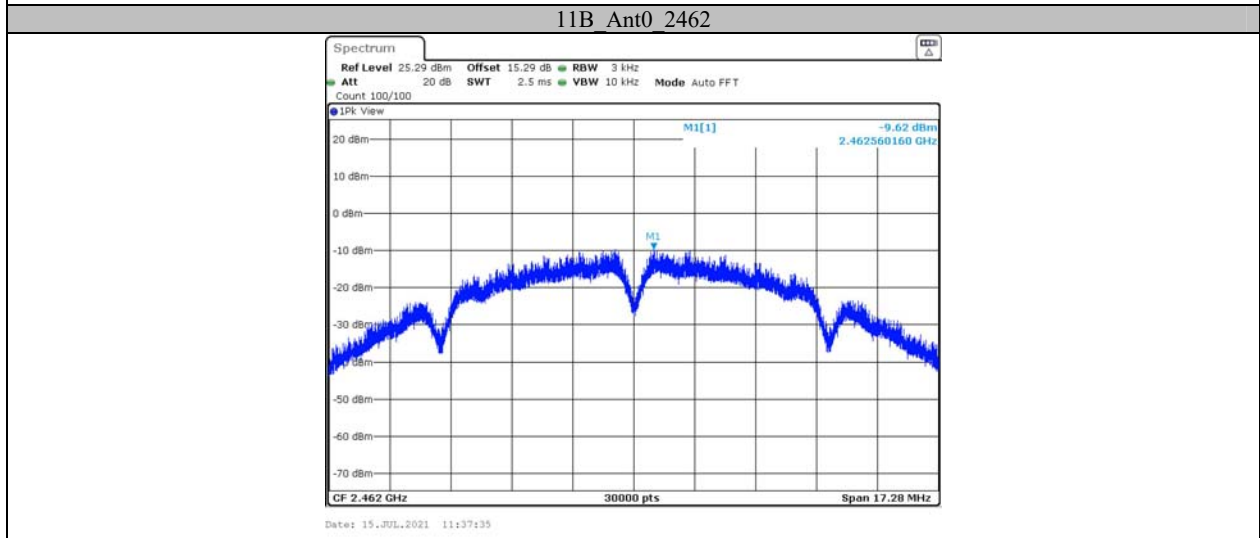
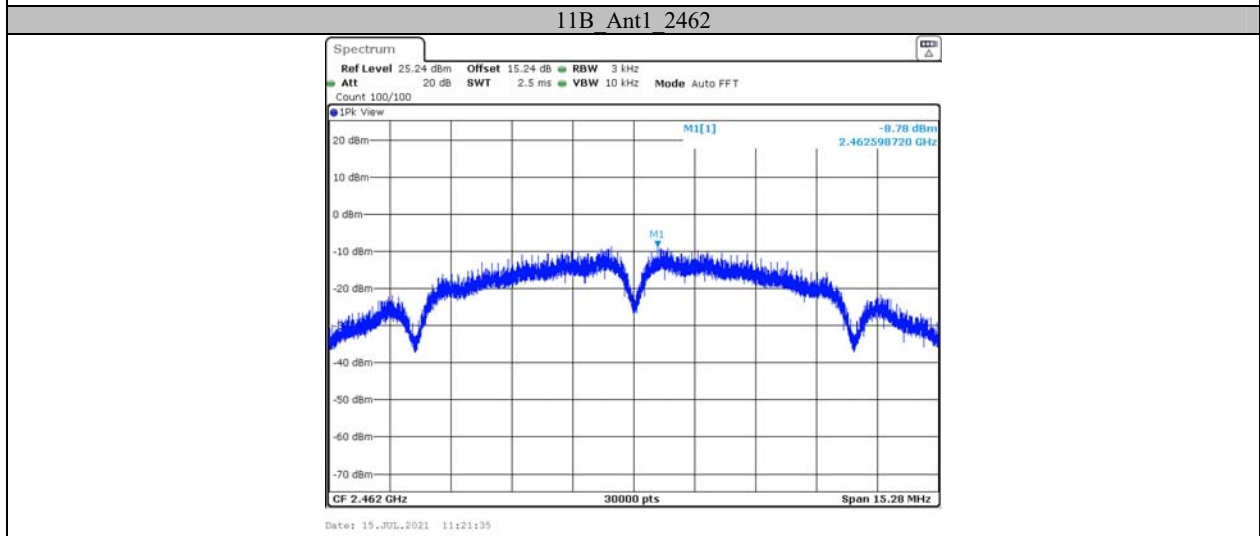
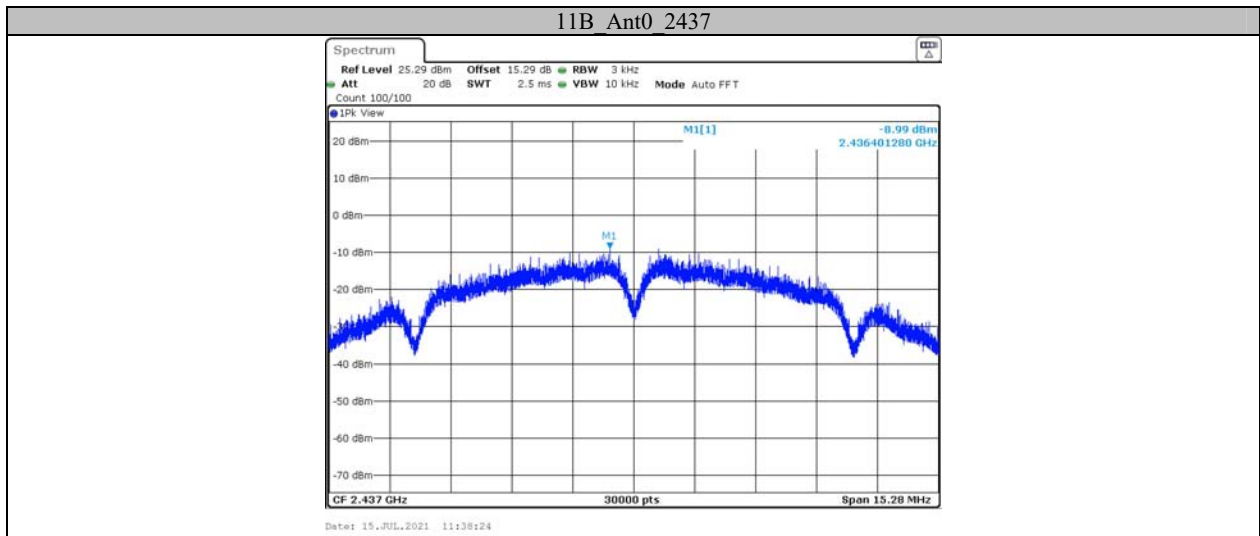
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	17.88	≤30	PASS
	Ant0	2412	17.66	≤30	PASS
	Ant1	2437	18.03	≤30	PASS
	Ant0	2437	17.52	≤30	PASS
	Ant1	2462	18.34	≤30	PASS
11G	Ant0	2462	17.77	≤30	PASS
	Ant1	2412	19.94	≤30	PASS
	Ant0	2412	19.59	≤30	PASS
	Ant1	2437	20.02	≤30	PASS
	Ant0	2437	19.61	≤30	PASS
11N20MIMO	Ant1	2462	19.39	≤30	PASS
	Ant0	2462	18.96	≤30	PASS
	Ant1	2412	19.21	≤30	PASS
	Ant0	2412	18.56	≤30	PASS
	total	2412	21.9	≤30	PASS
	Ant1	2437	20.12	≤30	PASS
	Ant0	2437	18.39	≤30	PASS
	total	2437	22.4	≤30	PASS
11N40MIMO	Ant1	2462	19.18	≤30	PASS
	Ant0	2462	18.94	≤30	PASS
	total	2462	22.1	≤30	PASS
	Ant1	2422	18.24	≤30	PASS
	Ant0	2422	17.76	≤30	PASS
	total	2422	21.0	≤30	PASS
	Ant1	2437	18.18	≤30	PASS
	Ant0	2437	18.15	≤30	PASS
11AX20MIMO	total	2437	21.2	≤30	PASS
	Ant1	2452	18.26	≤30	PASS
	Ant0	2452	17.77	≤30	PASS
	total	2452	21.0	≤30	PASS
	Ant1	2412	17.57	≤30	PASS
	Ant0	2412	17.42	≤30	PASS
	total	2412	20.5	≤30	PASS
	Ant1	2437	18.11	≤30	PASS
11AX40MIMO	Ant0	2437	17.62	≤30	PASS
	total	2437	20.9	≤30	PASS
	Ant1	2462	18.73	≤30	PASS
	Ant0	2462	17.92	≤30	PASS
	total	2462	21.4	≤30	PASS
	Ant1	2422	15.90	≤30	PASS
	Ant0	2422	15.56	≤30	PASS
	total	2422	18.7	≤30	PASS

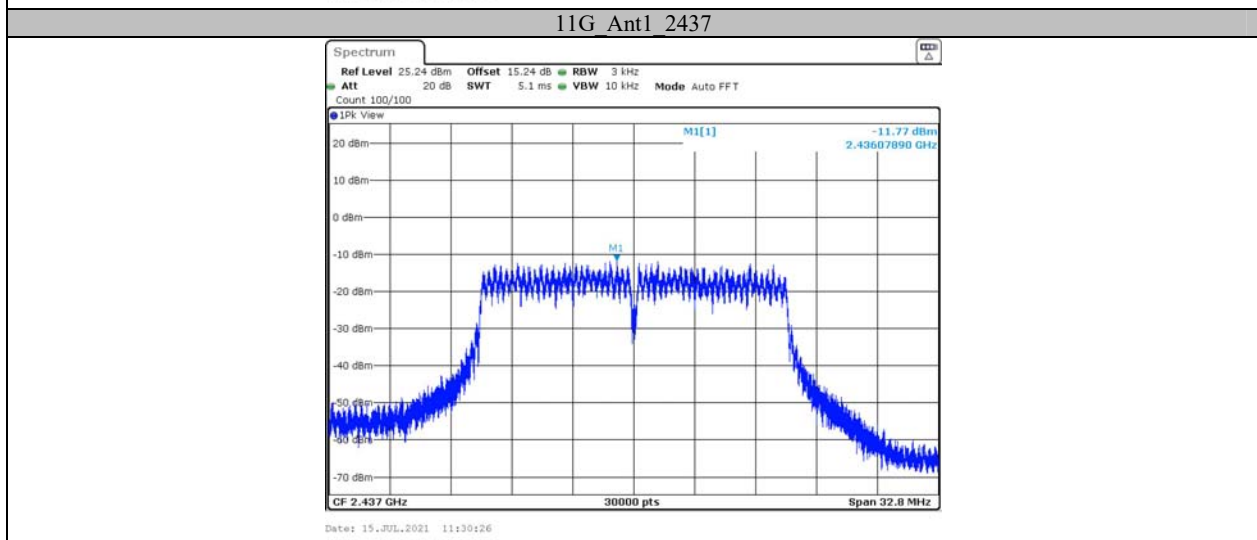
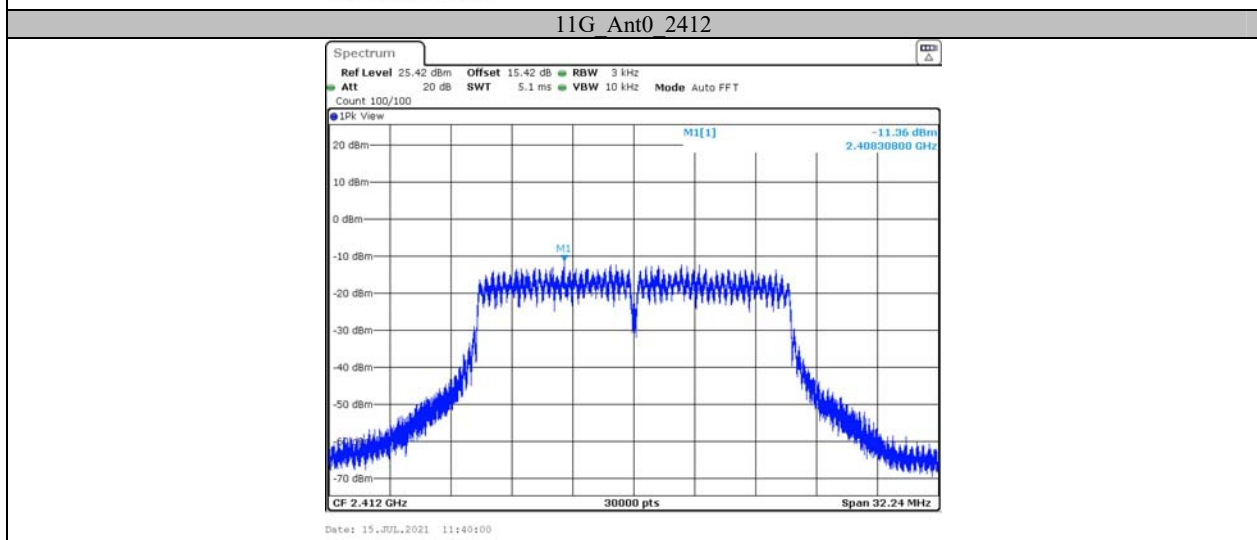
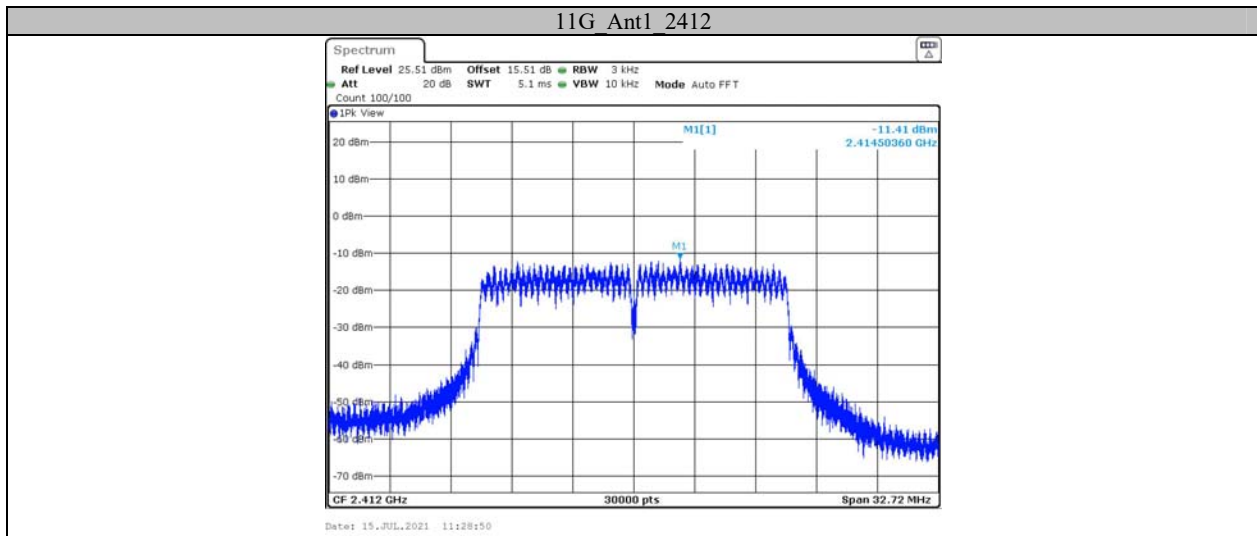
**Appendix D: Maximum power spectral density
Test Result**

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-8.94	≤8	PASS
	Ant0	2412	-9.02	≤8	PASS
	Ant1	2437	-8.13	≤8	PASS
	Ant0	2437	-8.99	≤8	PASS
	Ant1	2462	-8.78	≤8	PASS
	Ant0	2462	-9.62	≤8	PASS
11G	Ant1	2412	-11.41	≤8	PASS
	Ant0	2412	-11.36	≤8	PASS
	Ant1	2437	-11.77	≤8	PASS
	Ant0	2437	-11.83	≤8	PASS
	Ant1	2462	-12.21	≤8	PASS
	Ant0	2462	-13.19	≤8	PASS
11N20MIMO	Ant1	2412	-10.61	≤8	PASS
	Ant0	2412	-11.39	≤8	PASS
	total	2412	-7.97	≤8	PASS
	Ant1	2437	-11.79	≤8	PASS
	Ant0	2437	-11.69	≤8	PASS
	total	2437	-8.73	≤8	PASS
	Ant1	2462	-10.49	≤8	PASS
	Ant0	2462	-10.67	≤8	PASS
total	2462	-7.57	≤8	PASS	
11N40MIMO	Ant1	2422	-13.88	≤8	PASS
	Ant0	2422	-14.38	≤8	PASS
	total	2422	-11.11	≤8	PASS
	Ant1	2437	-14.23	≤8	PASS
	Ant0	2437	-14.24	≤8	PASS
	total	2437	-11.22	≤8	PASS
	Ant1	2452	-14.25	≤8	PASS
	Ant0	2452	-14.16	≤8	PASS
total	2452	-11.19	≤8	PASS	
11AX20MIMO	Ant1	2412	-14.16	≤8	PASS
	Ant0	2412	-15.27	≤8	PASS
	total	2412	-11.67	≤8	PASS
	Ant1	2437	-13.96	≤8	PASS
	Ant0	2437	-15.24	≤8	PASS
	total	2437	-11.54	≤8	PASS
	Ant1	2462	-13.68	≤8	PASS
	Ant0	2462	-14.22	≤8	PASS
total	2462	-10.93	≤8	PASS	
11AX40MIMO	Ant1	2422	-18.05	≤8	PASS
	Ant0	2422	-18.35	≤8	PASS
	total	2422	-15.19	≤8	PASS
	Ant1	2437	-17.94	≤8	PASS
	Ant0	2437	-18.52	≤8	PASS
	total	2437	-15.21	≤8	PASS
	Ant1	2452	-17.86	≤8	PASS
	Ant0	2452	-18.47	≤8	PASS
total	2452	-15.14	≤8	PASS	

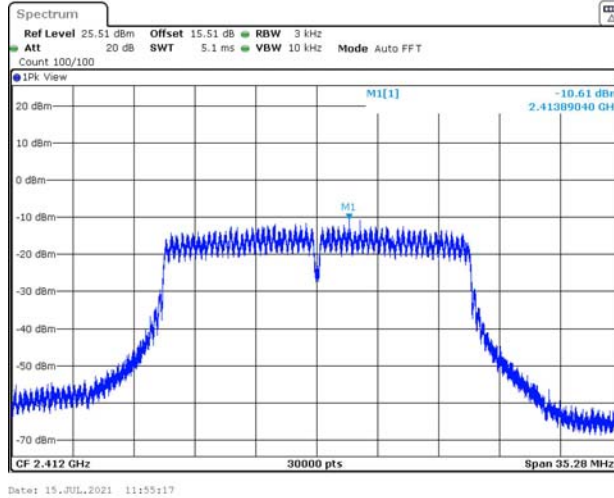
Test Graphs



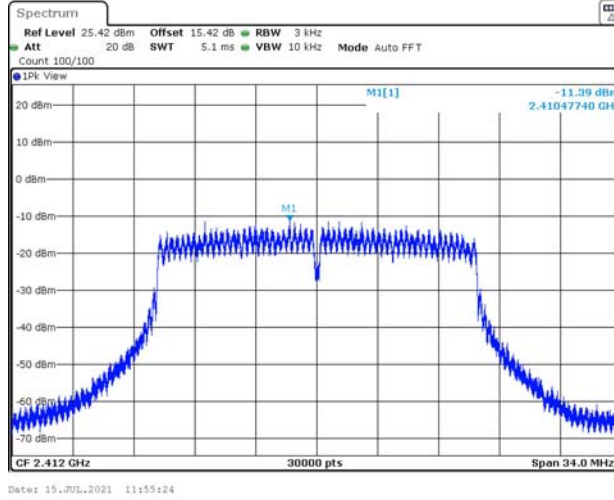




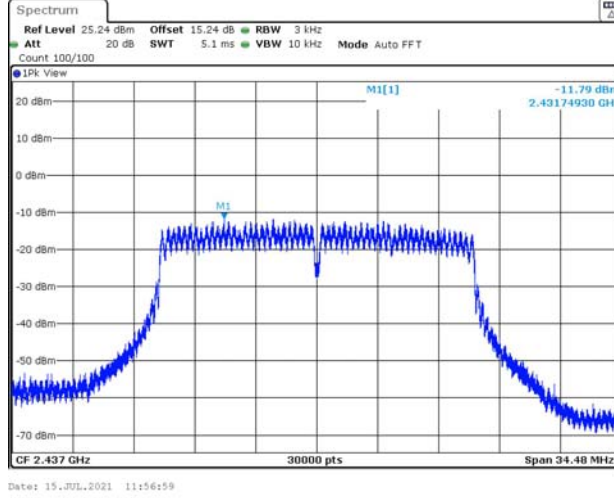
11N20MIMO Ant1 2412



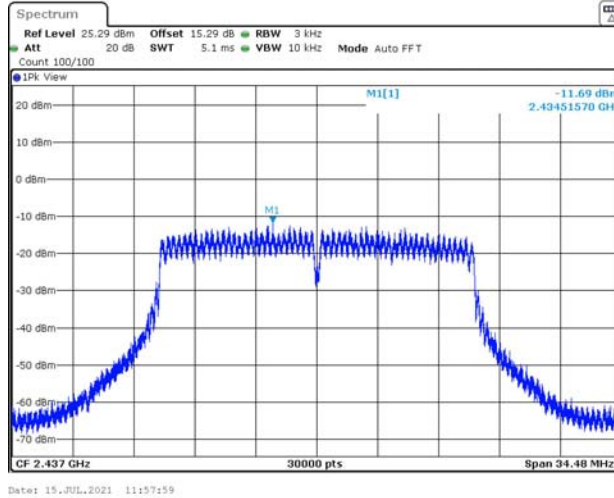
11N20MIMO Ant0 2412



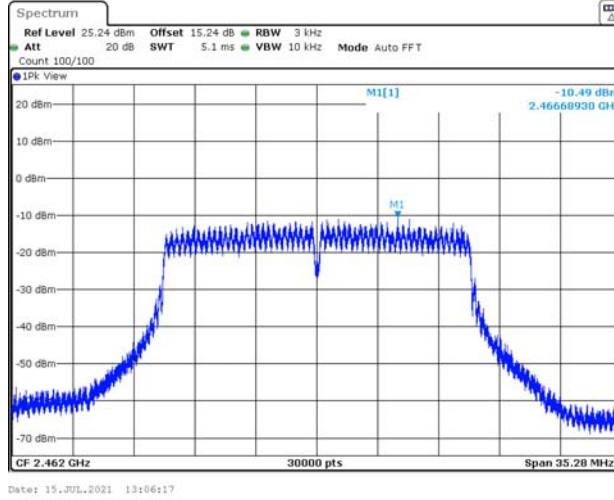
11N20MIMO Ant1 2437



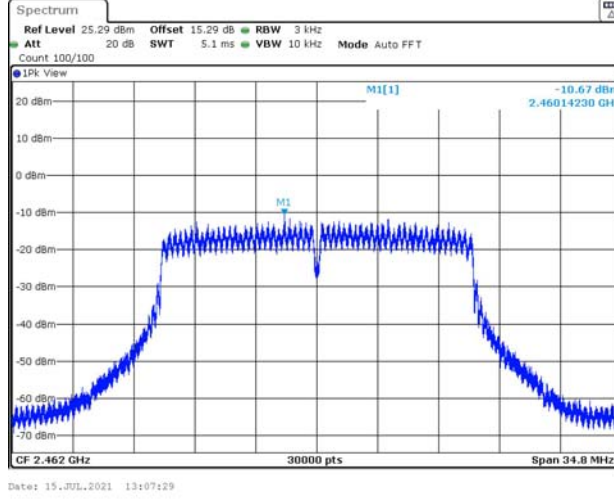
11N20MIMO Ant0 2437



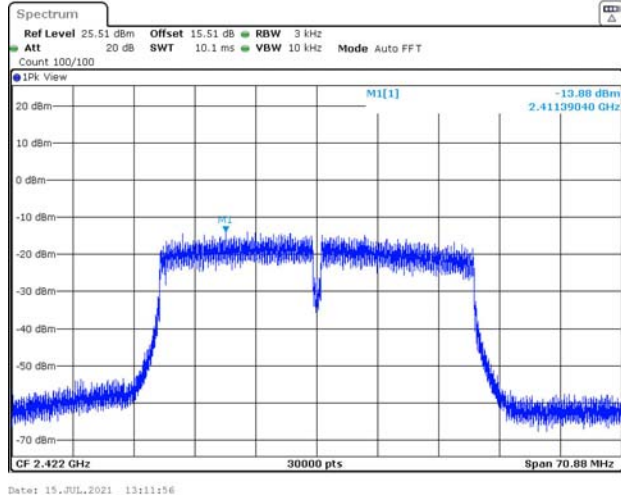
11N20MIMO Ant1 2462



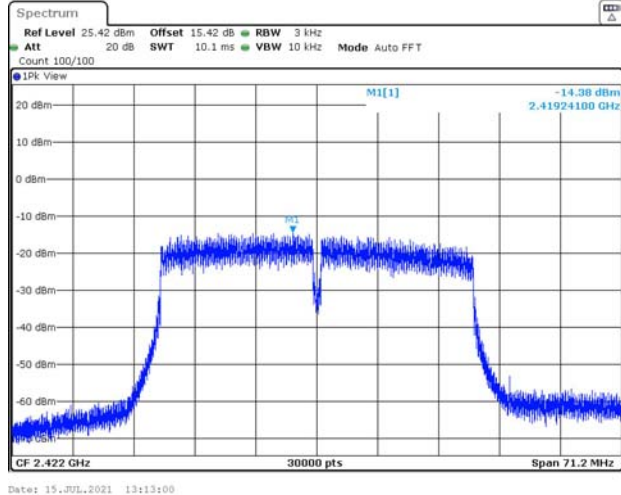
11N20MIMO Ant0 2462



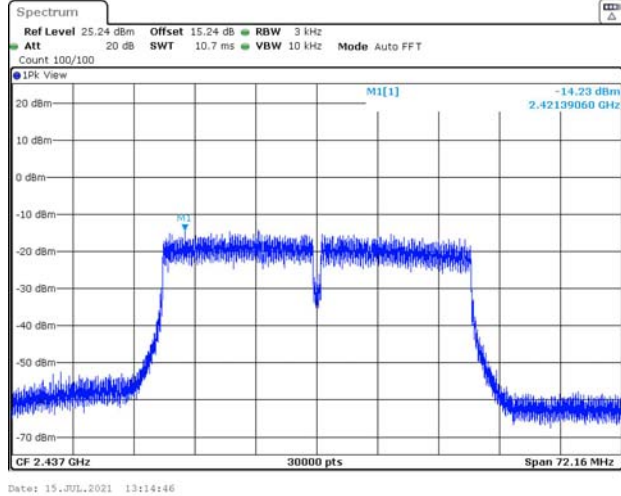
11N40MIMO Ant1 2422



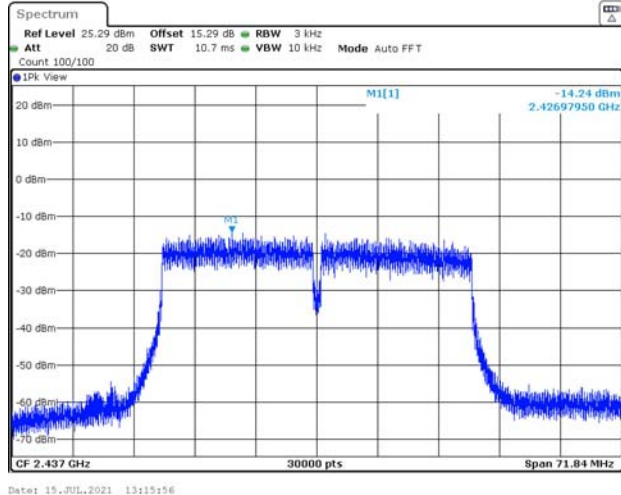
11N40MIMO Ant0 2422



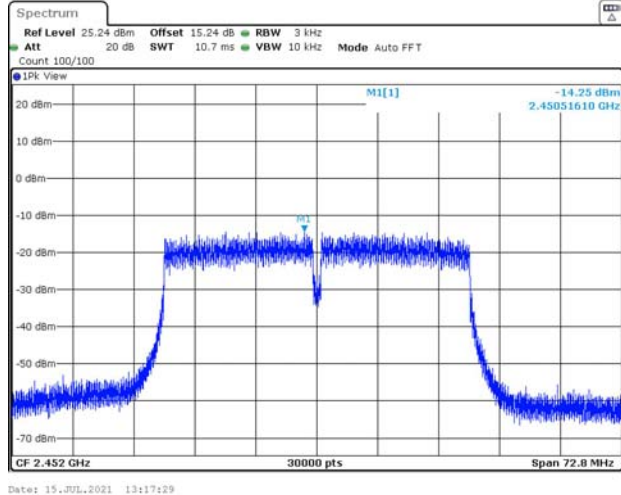
11N40MIMO Ant1 2437



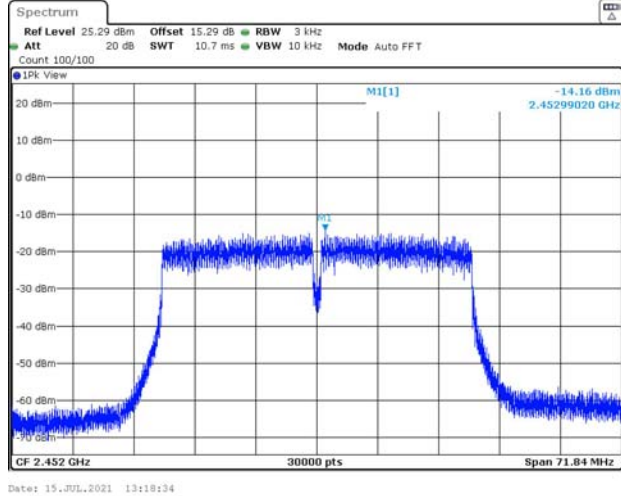
11N40MIMO Ant0 2437



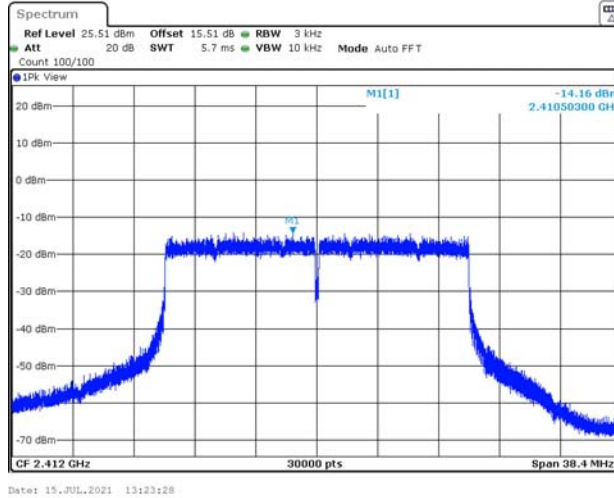
11N40MIMO Ant1 2452



11N40MIMO Ant0 2452

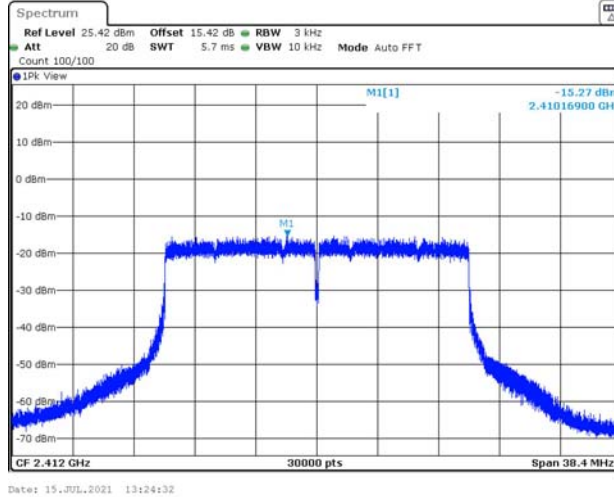


11AX20MIMO Ant1 2412



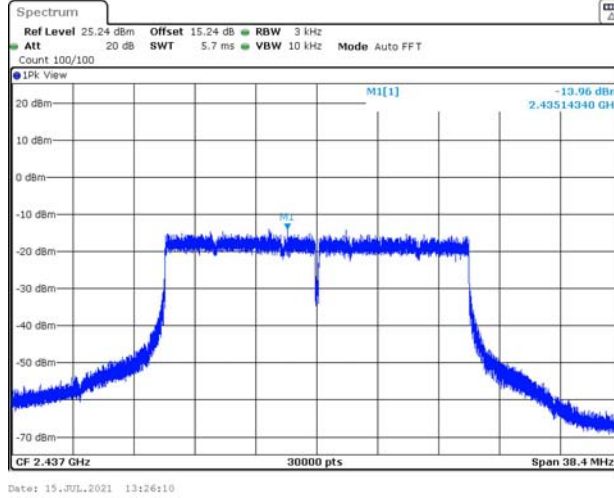
Date: 15_JUL_2021 13:23:28

11AX20MIMO Ant0 2412



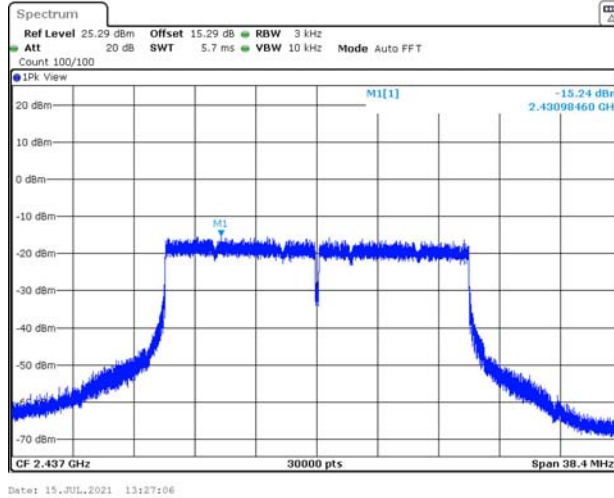
Date: 15_JUL_2021 13:24:32

11AX20MIMO Ant1 2437

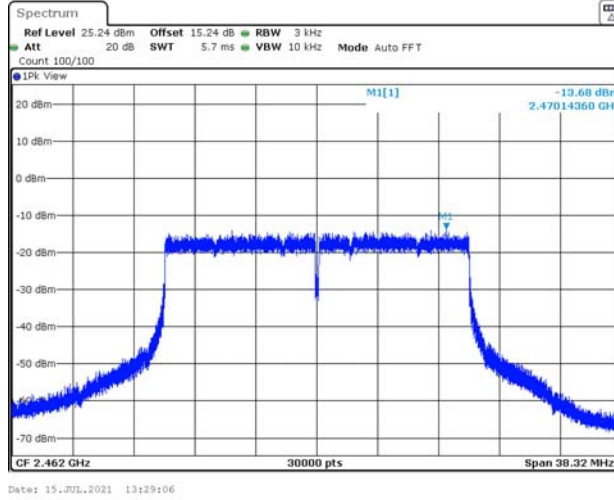


Date: 15_JUL_2021 13:26:10

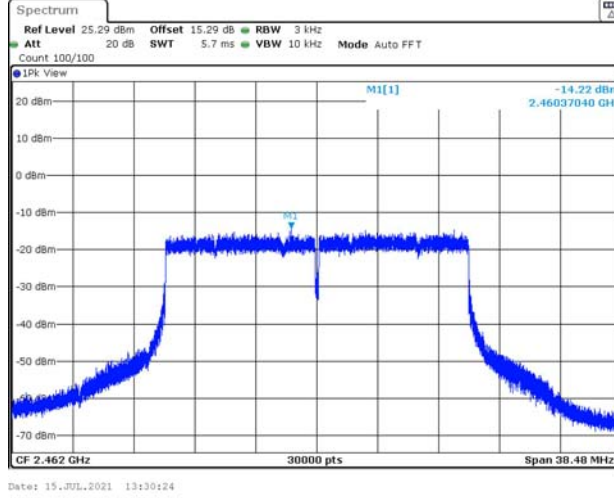
11AX20MIMO Ant0 2437



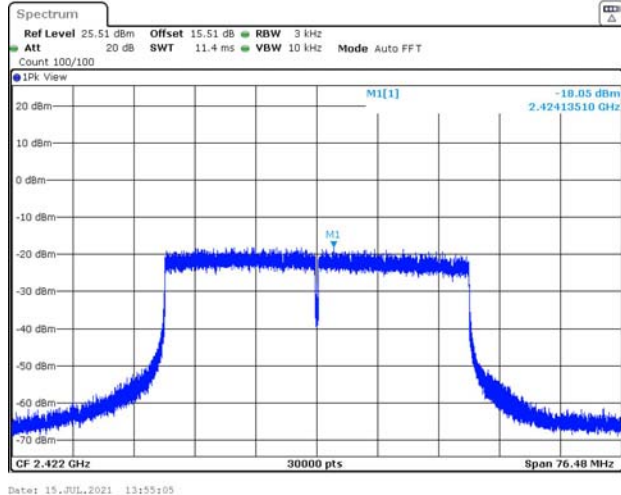
11AX20MIMO Ant1 2462



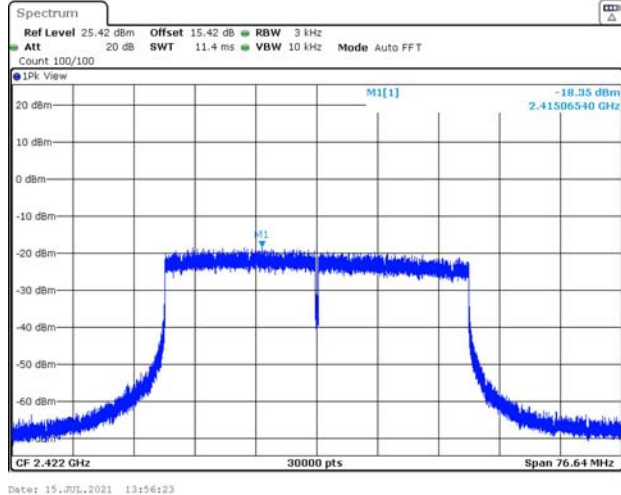
11AX20MIMO Ant0 2462



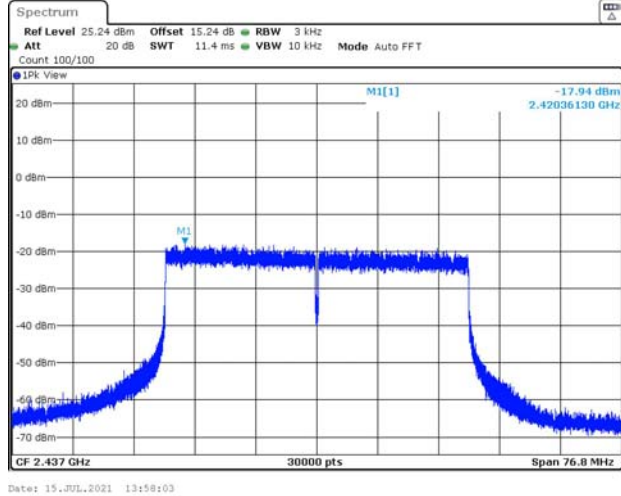
11AX40MIMO Ant1 2422



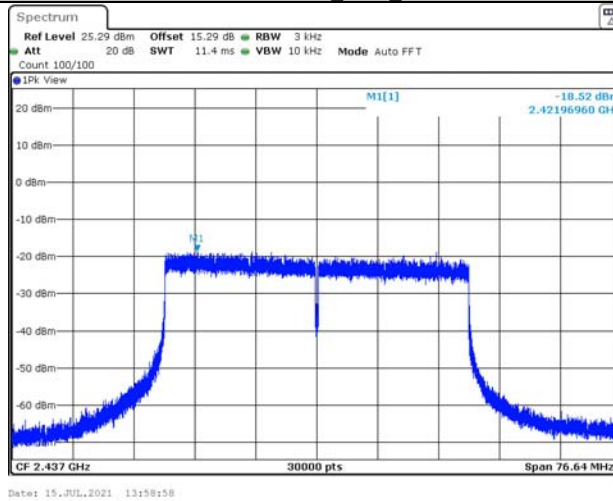
11AX40MIMO Ant0 2422



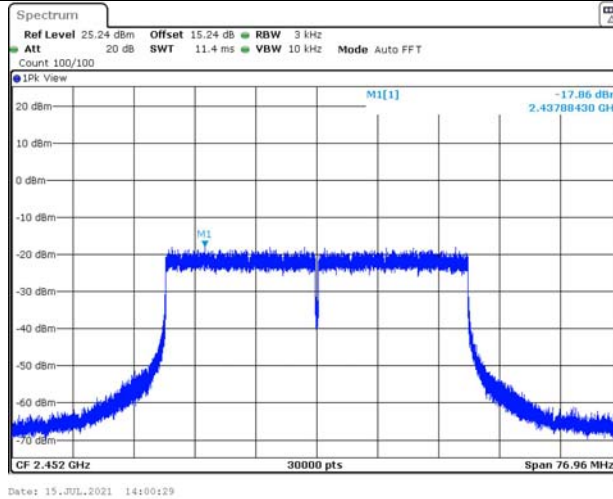
11AX40MIMO Ant1 2437



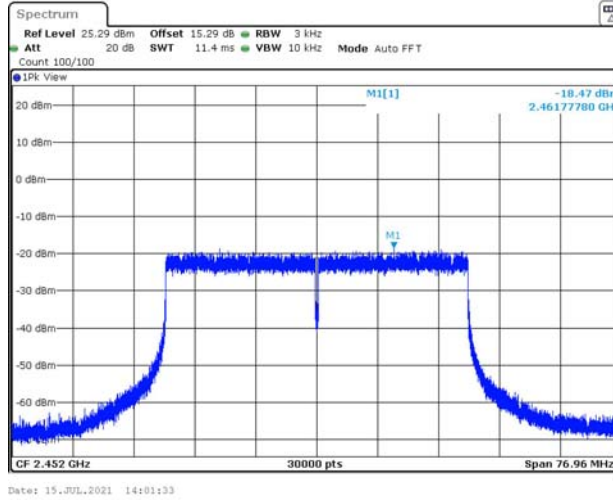
11AX40MIMO Ant0 2437



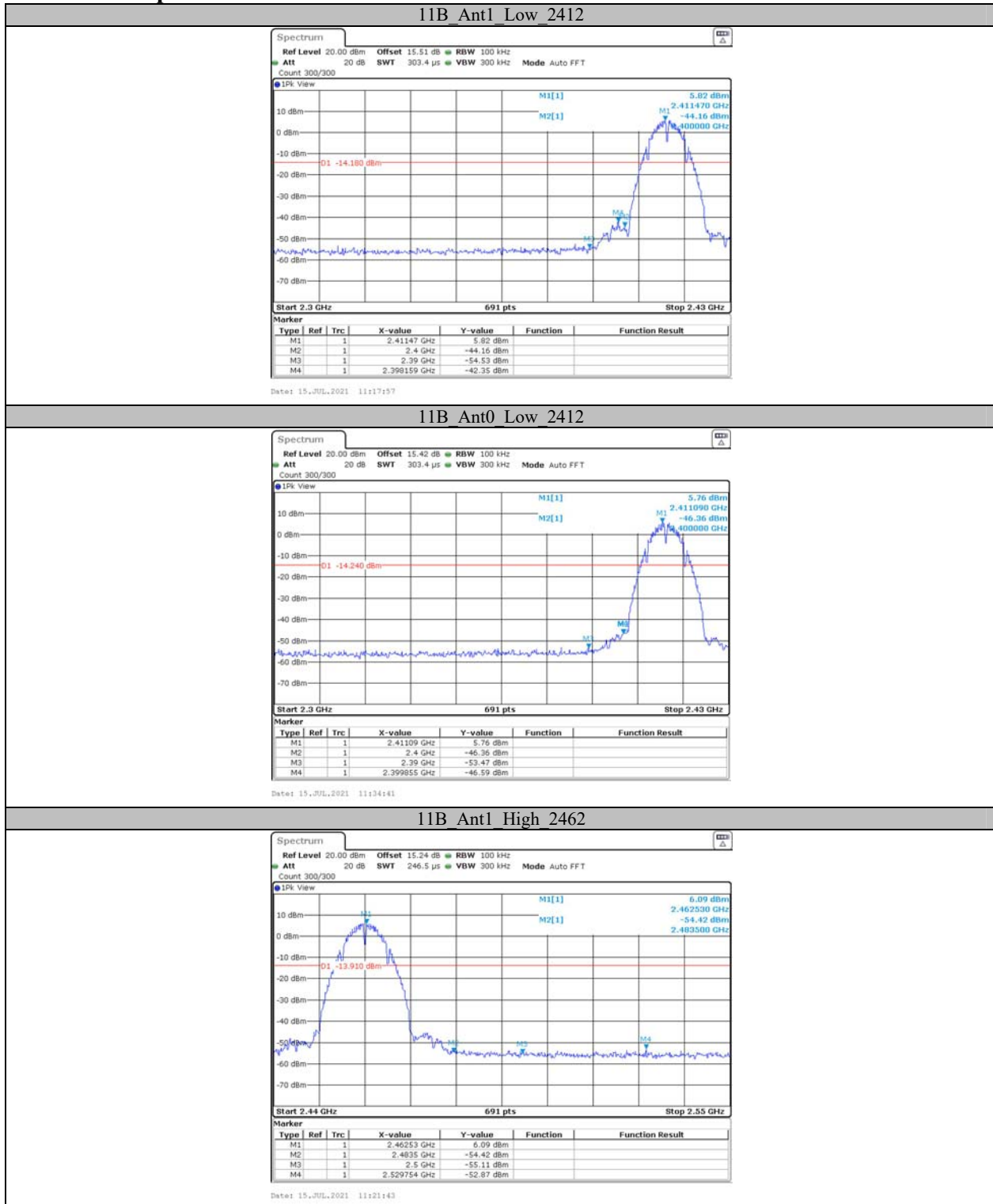
11AX40MIMO Ant1 2452

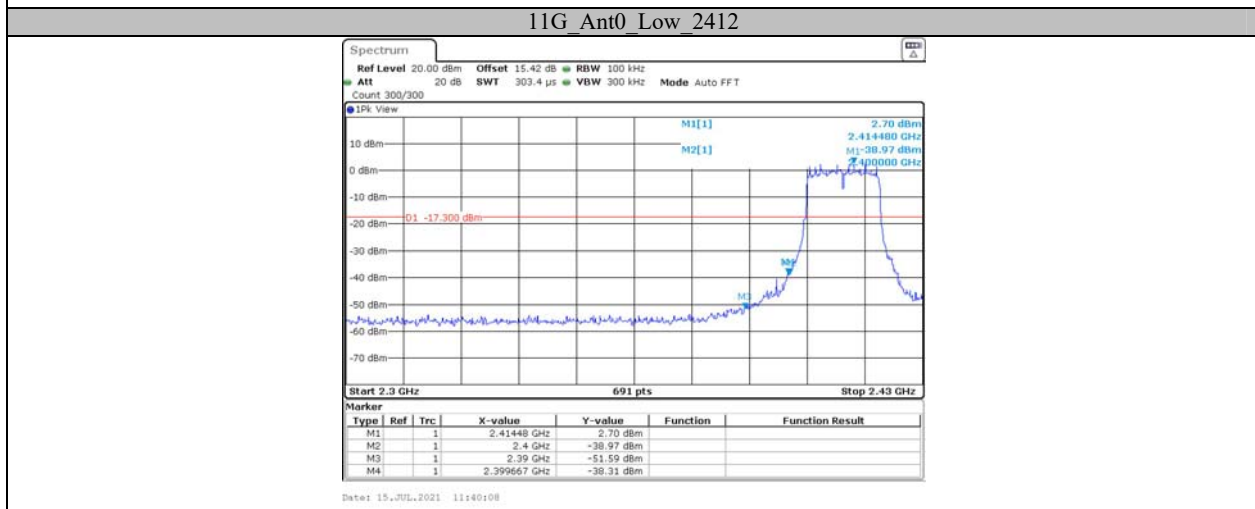
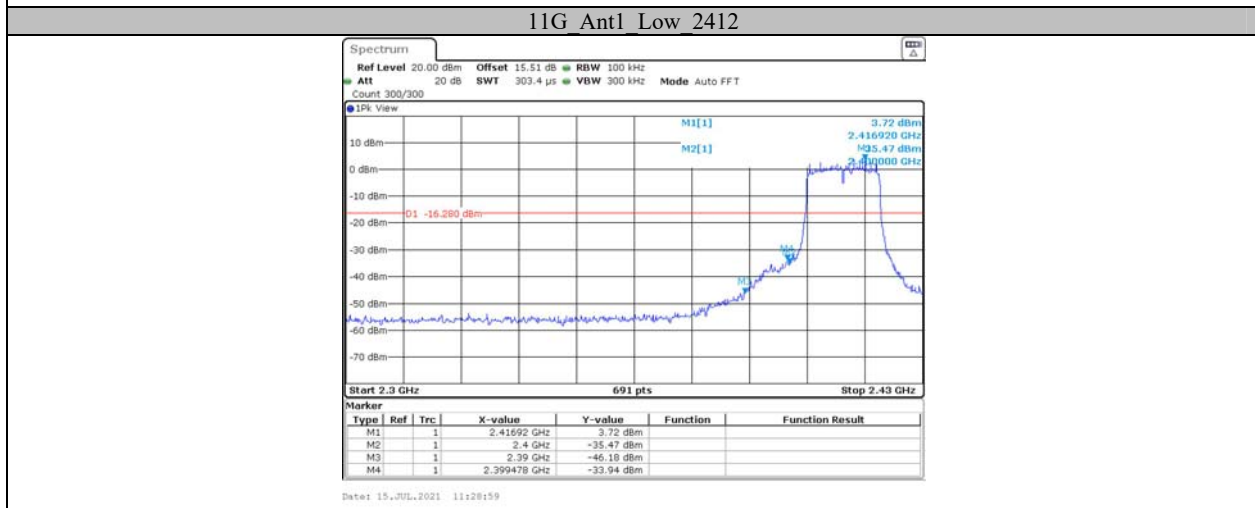
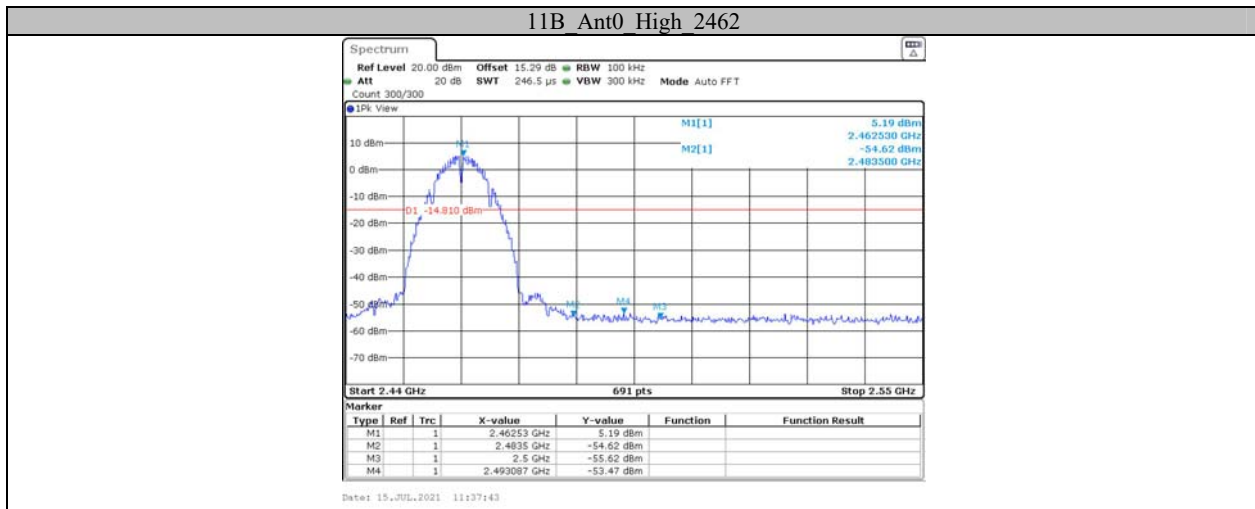


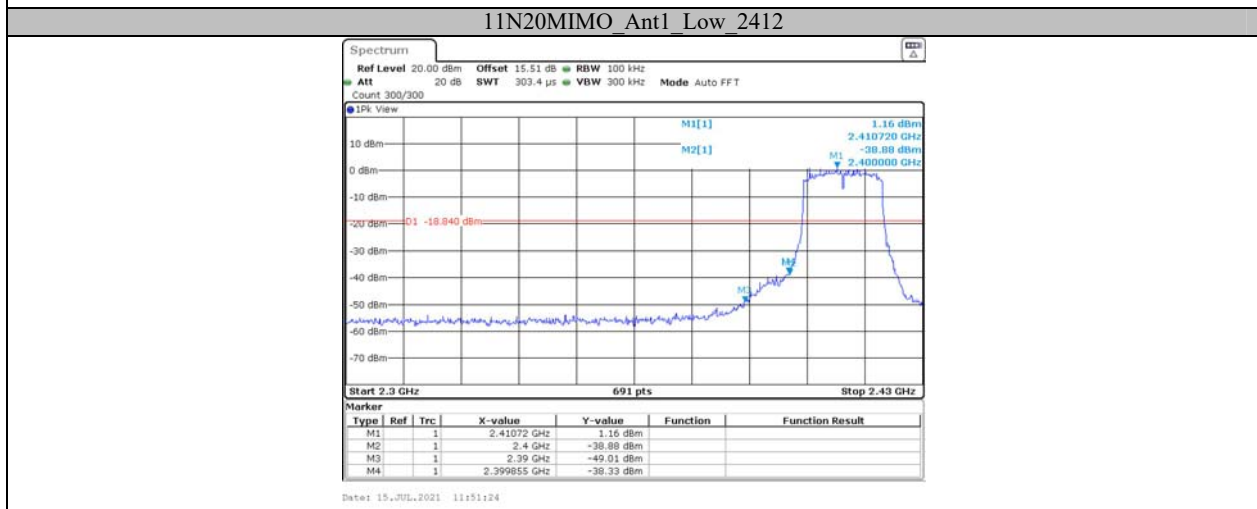
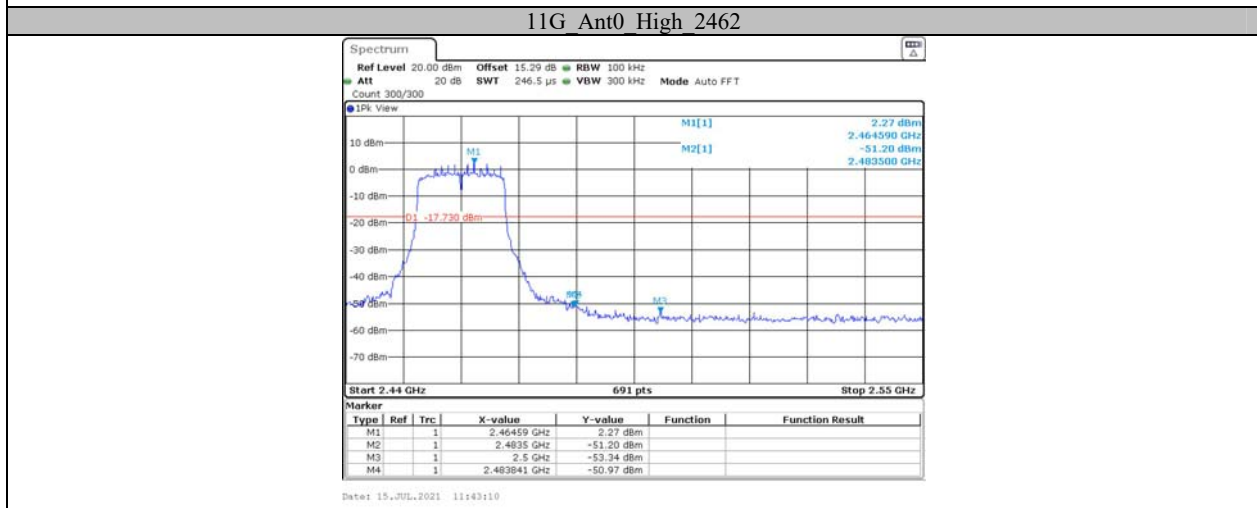
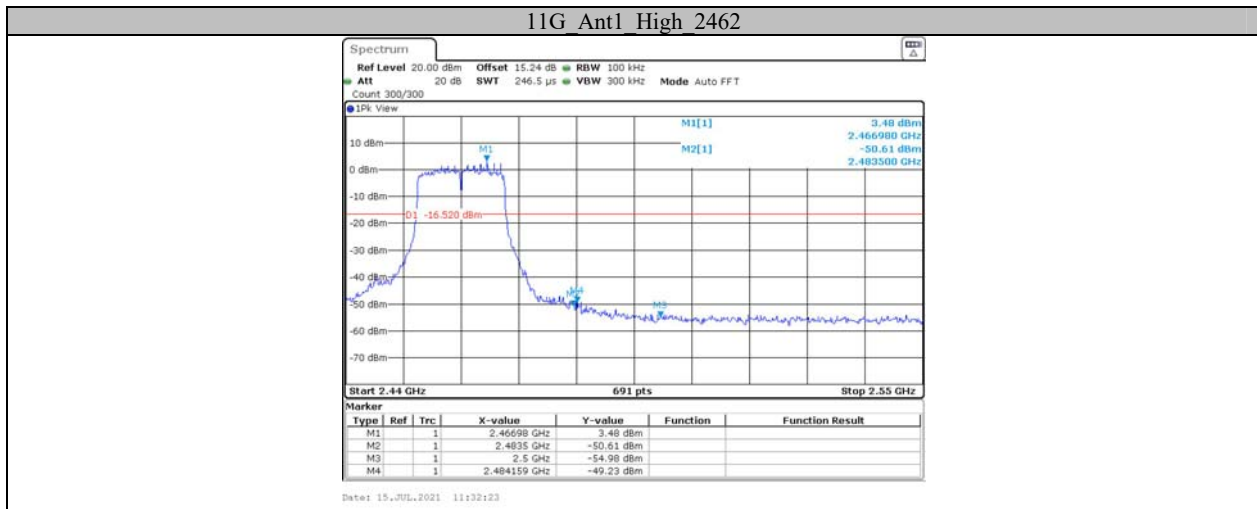
11AX40MIMO Ant0 2452

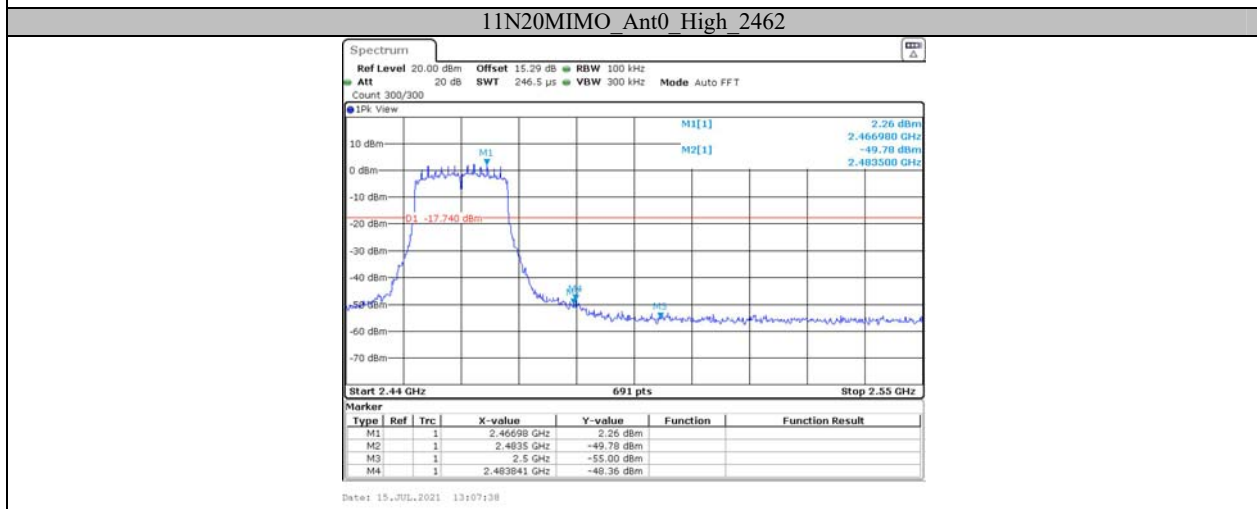
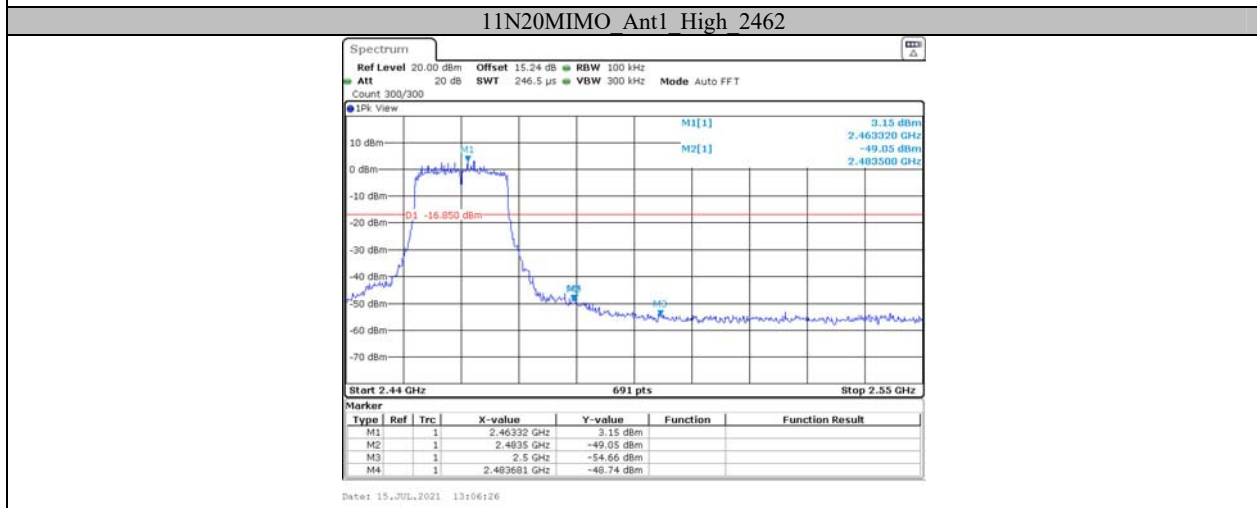
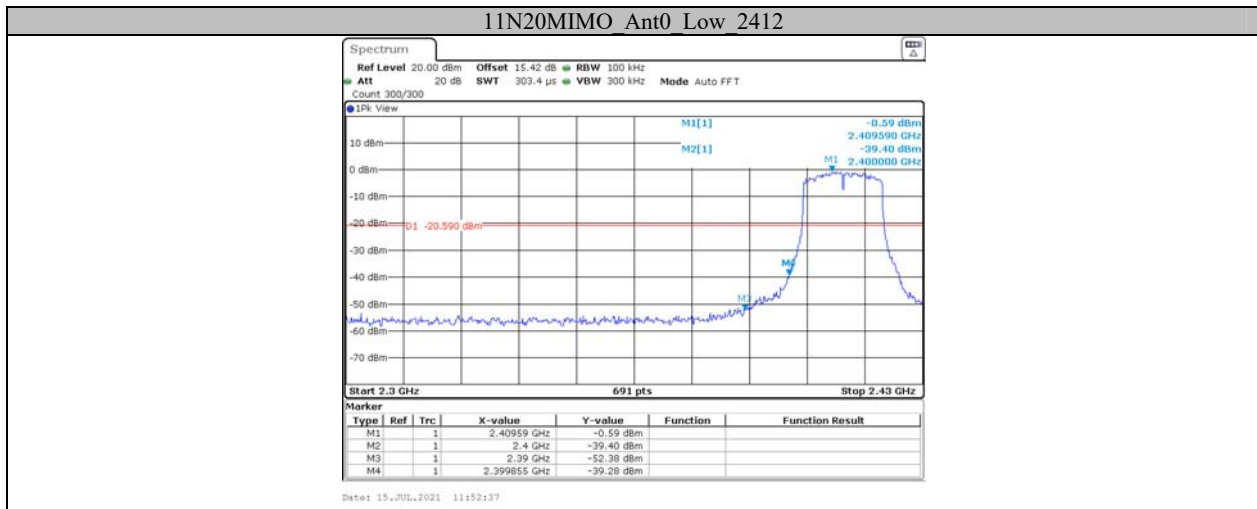


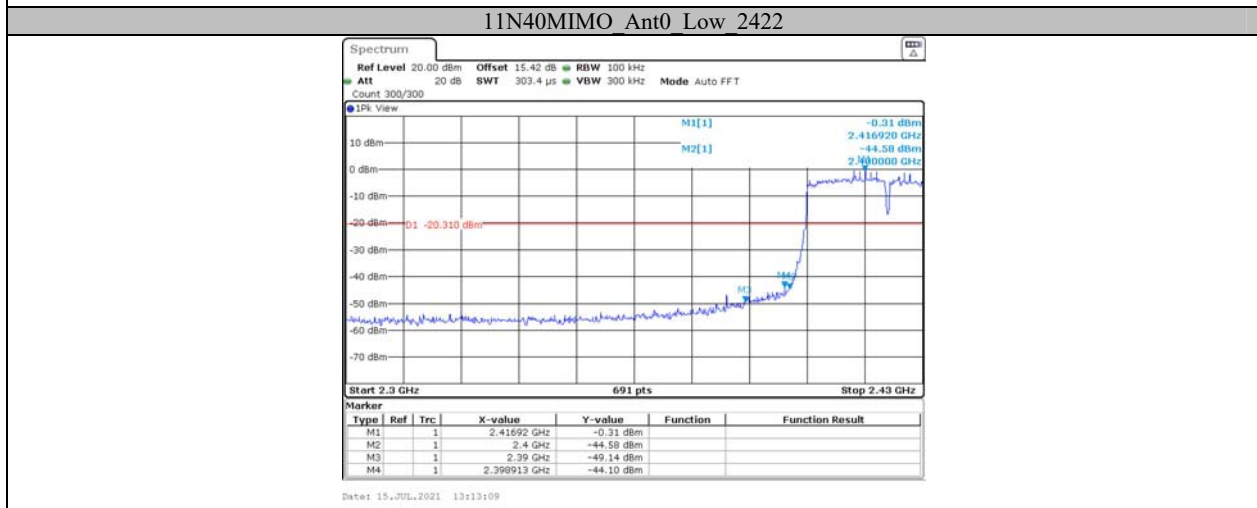
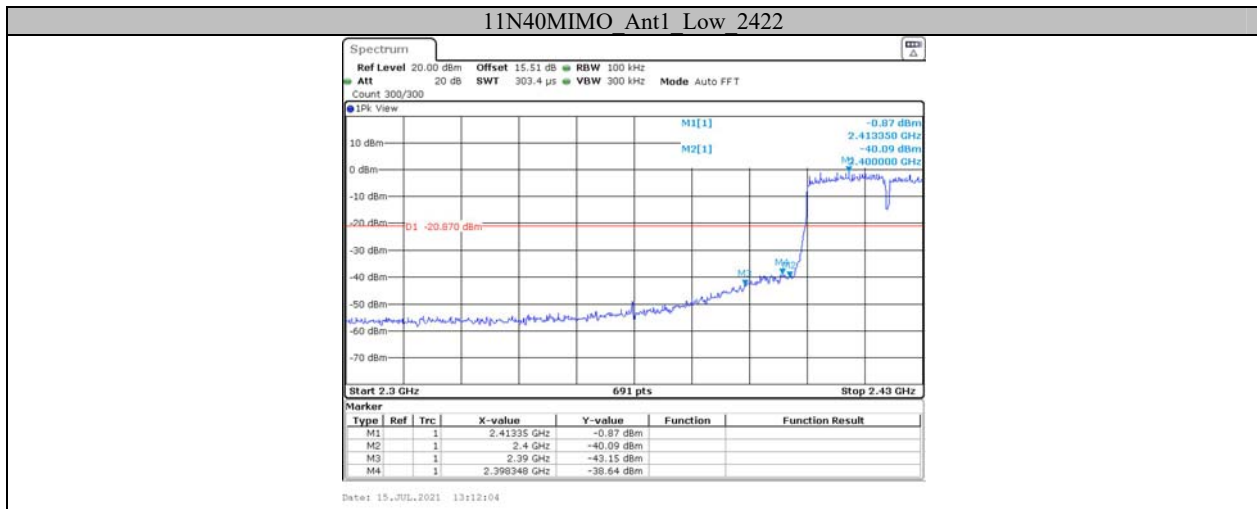
Appendix E: Band edge measurements Test Graphs

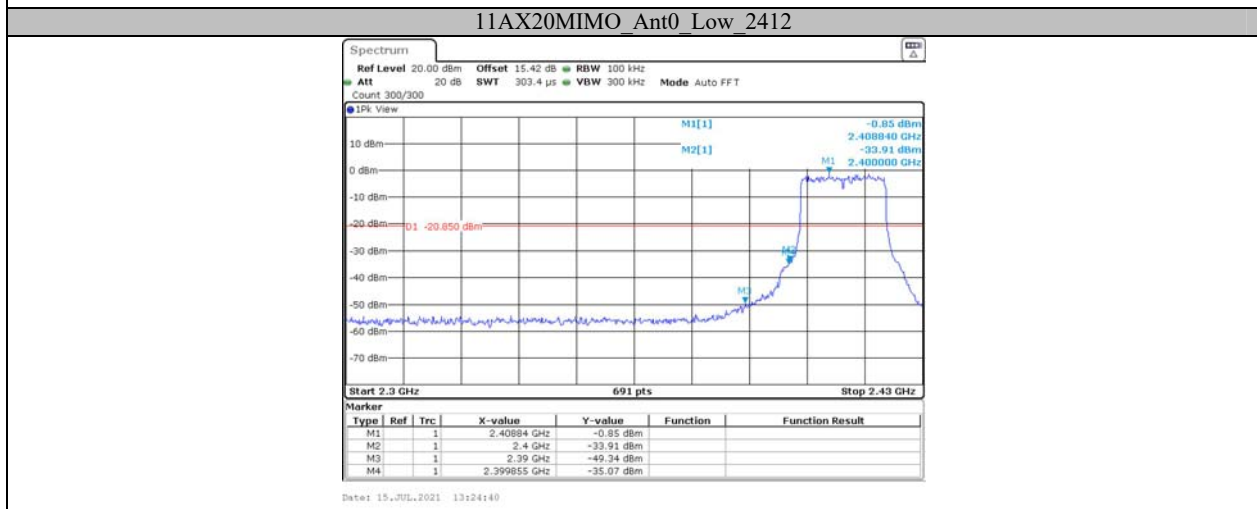
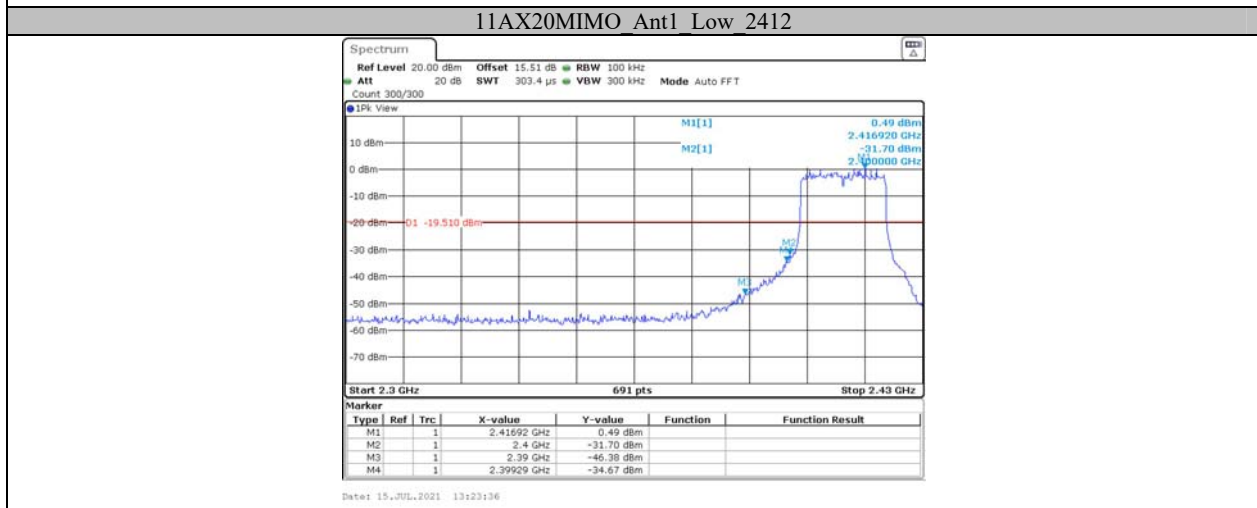
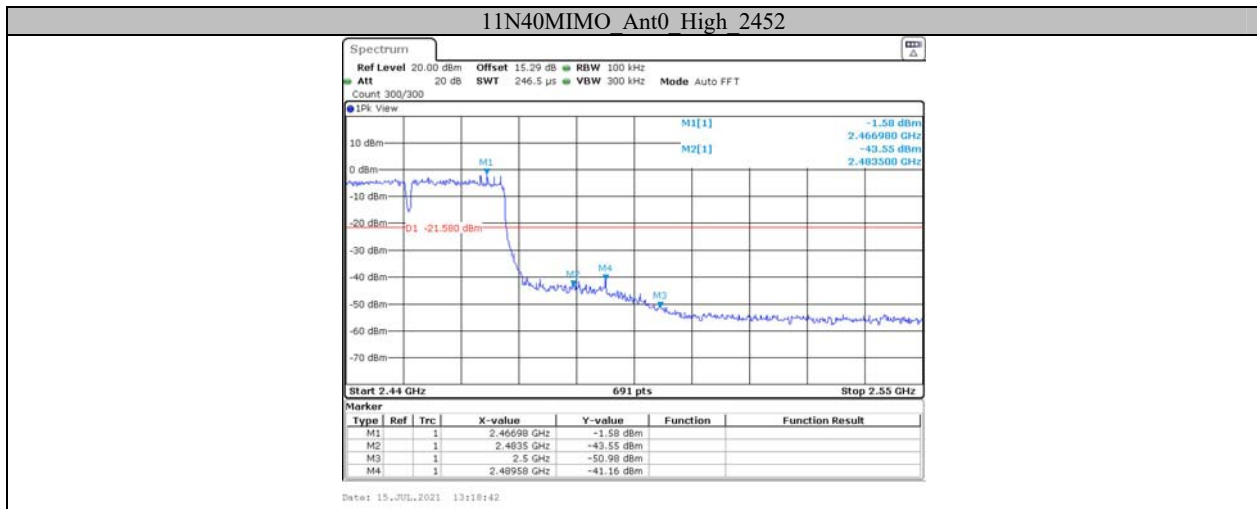


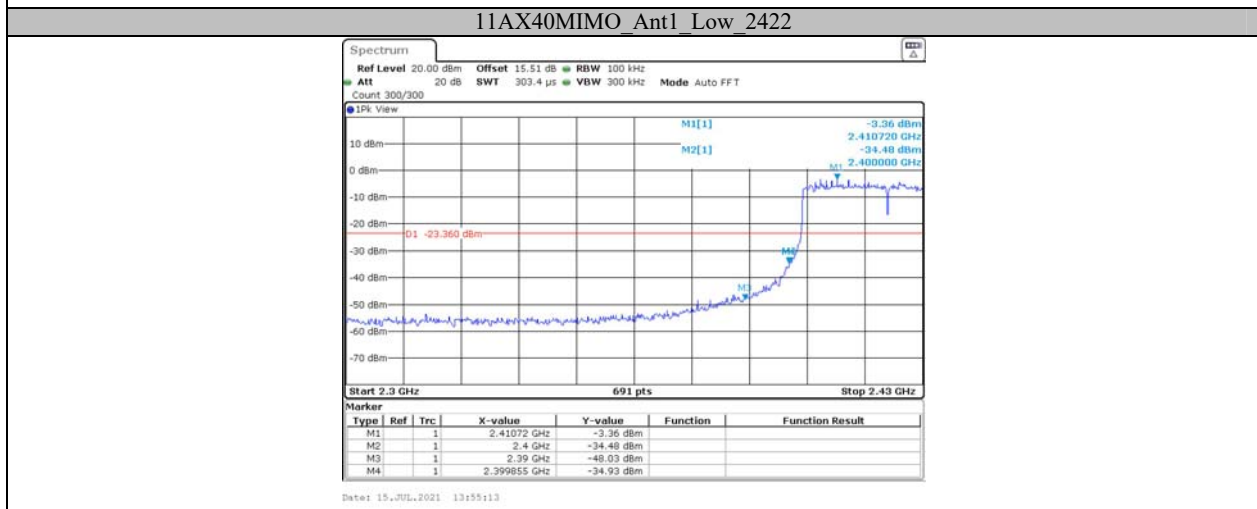
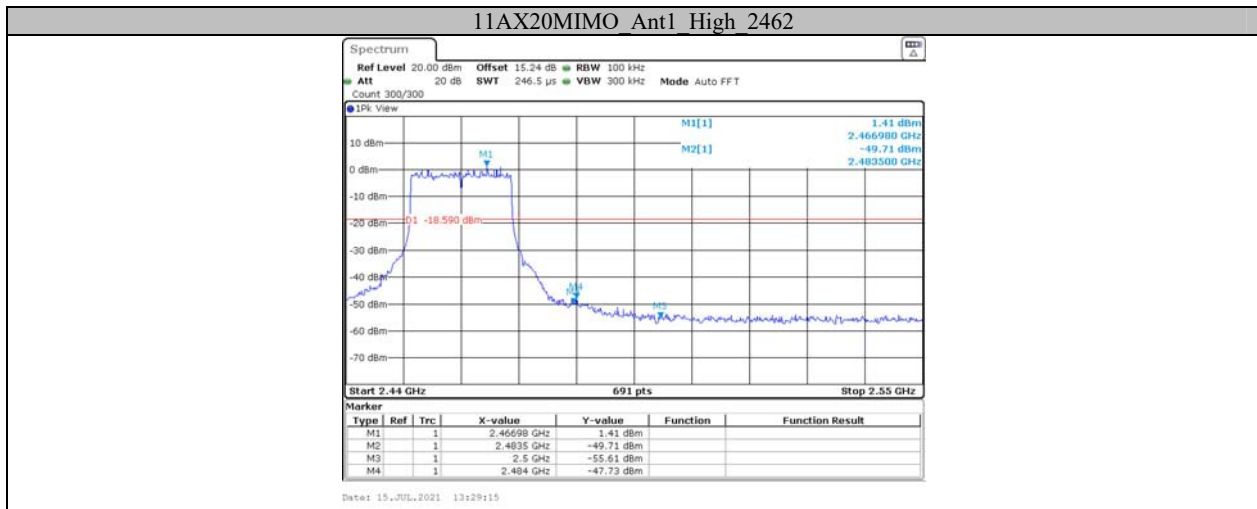


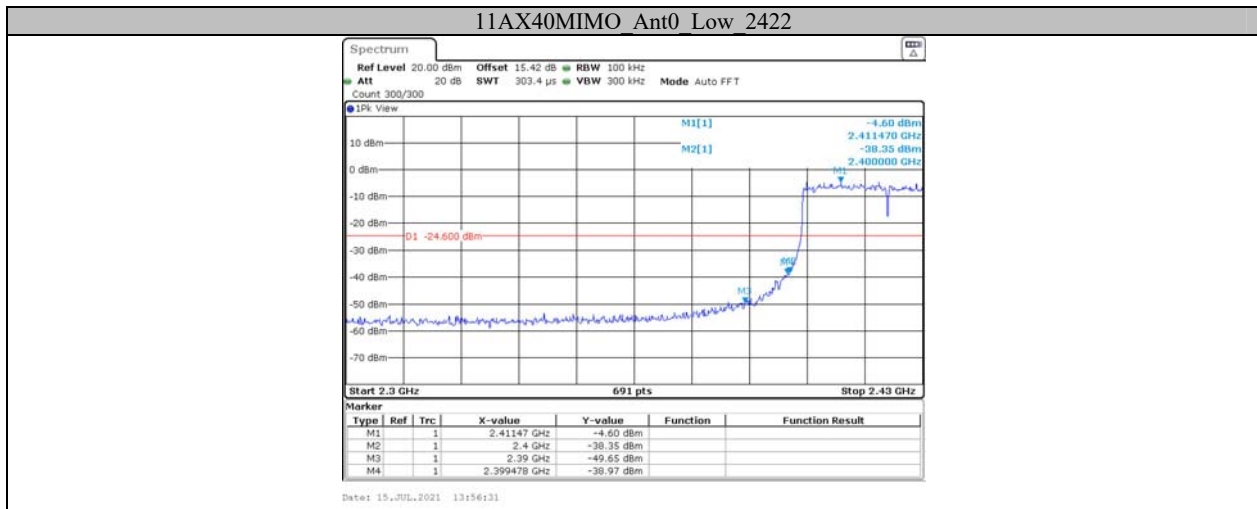








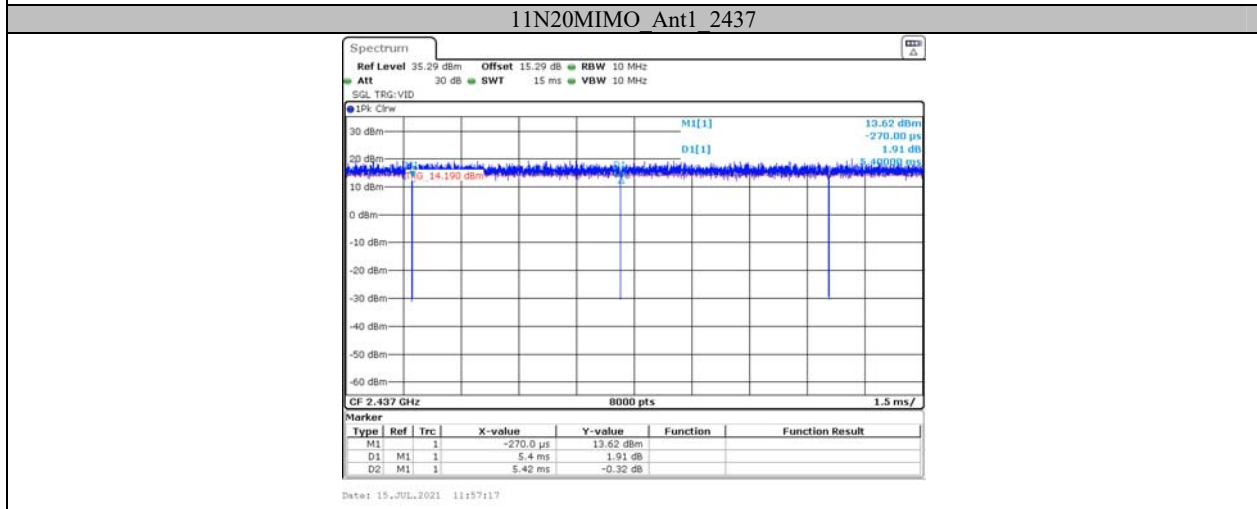
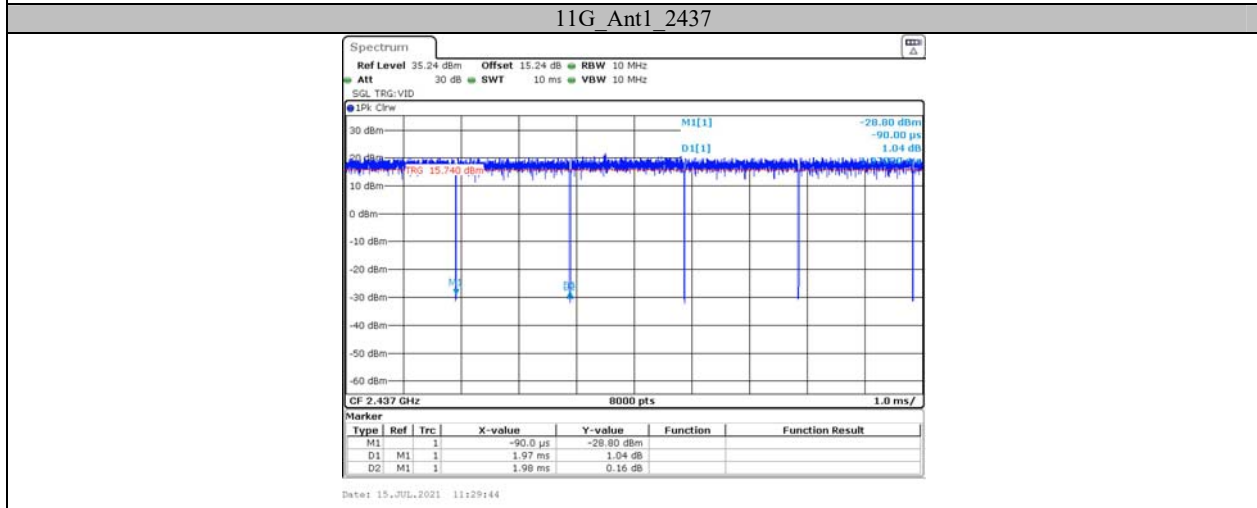
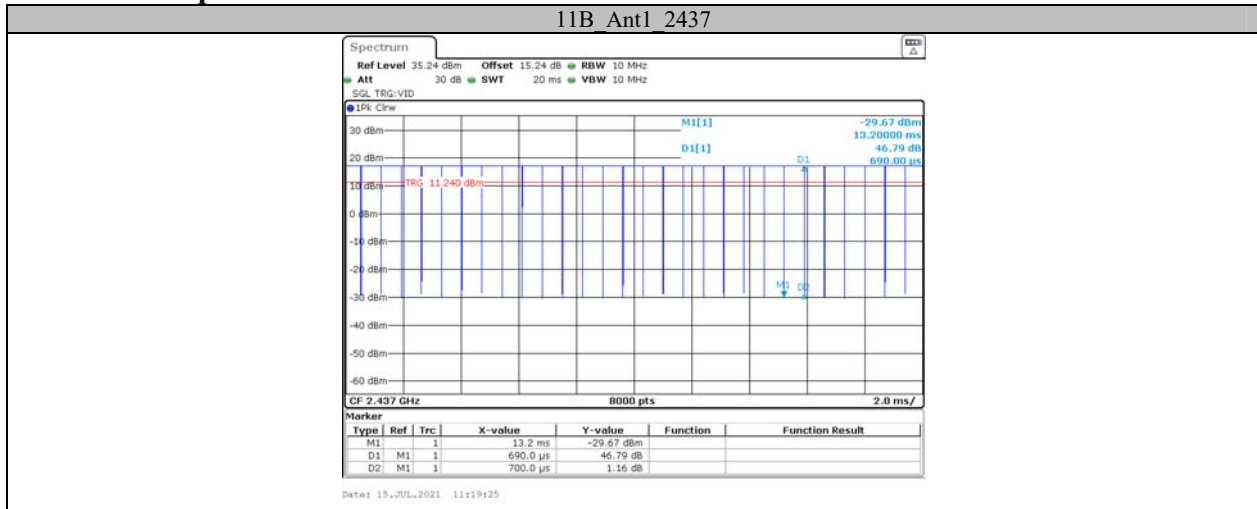


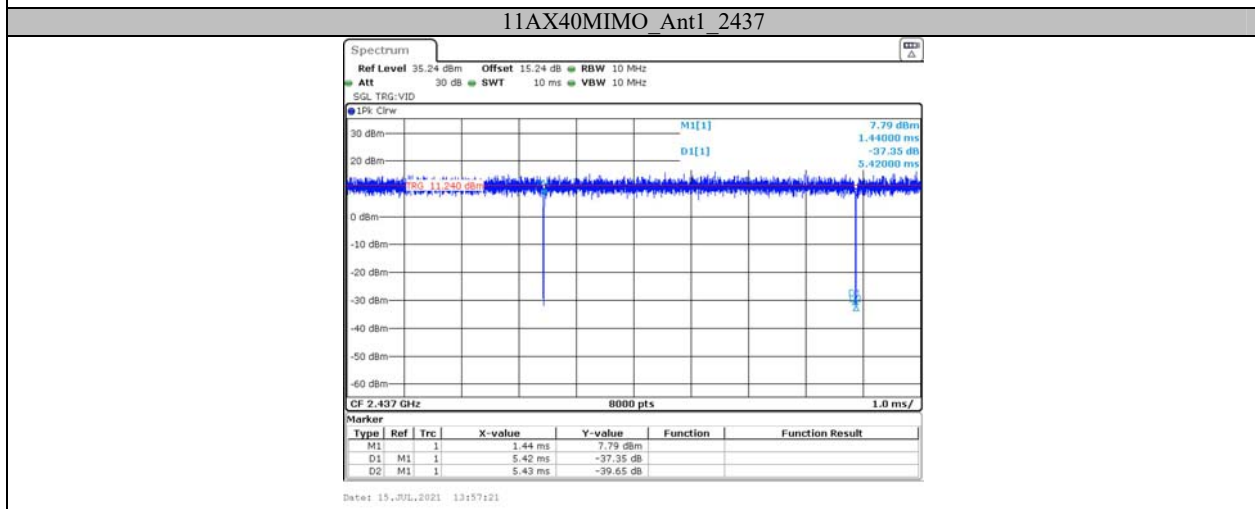
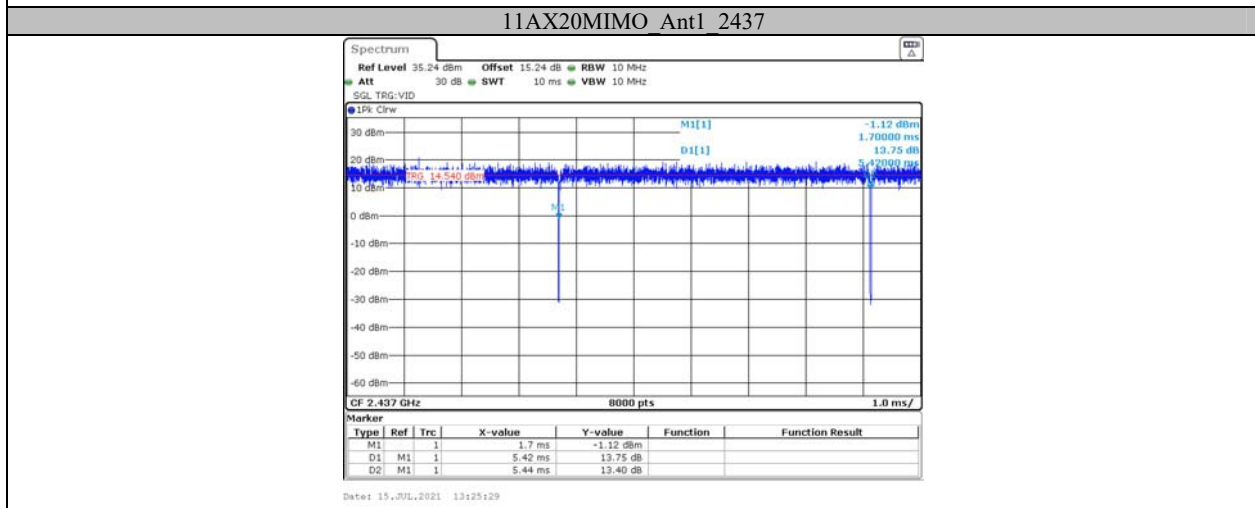
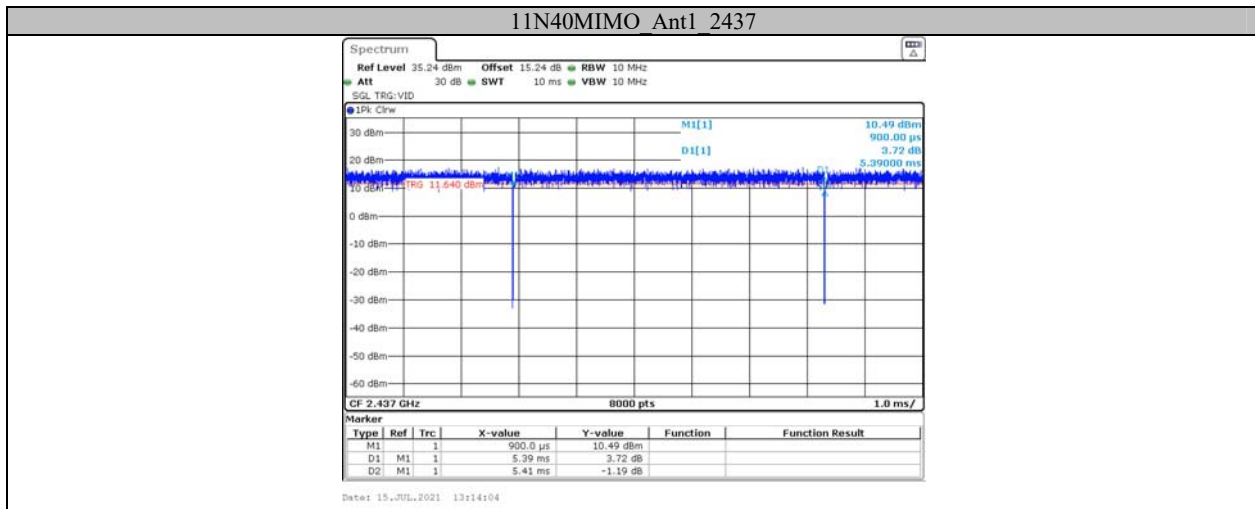


**Appendix F: Duty Cycle
Test Result**

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11B	Ant1	2437	0.69	0.70	98.57
11G	Ant1	2437	1.97	1.98	99.49
11N20MIMO	Ant1	2437	5.40	5.42	99.63
11N40MIMO	Ant1	2437	5.39	5.41	99.63
11AX20MIMO	Ant1	2437	5.42	5.44	99.63
11AX40MIMO	Ant1	2437	5.42	5.43	99.82

Test Graphs



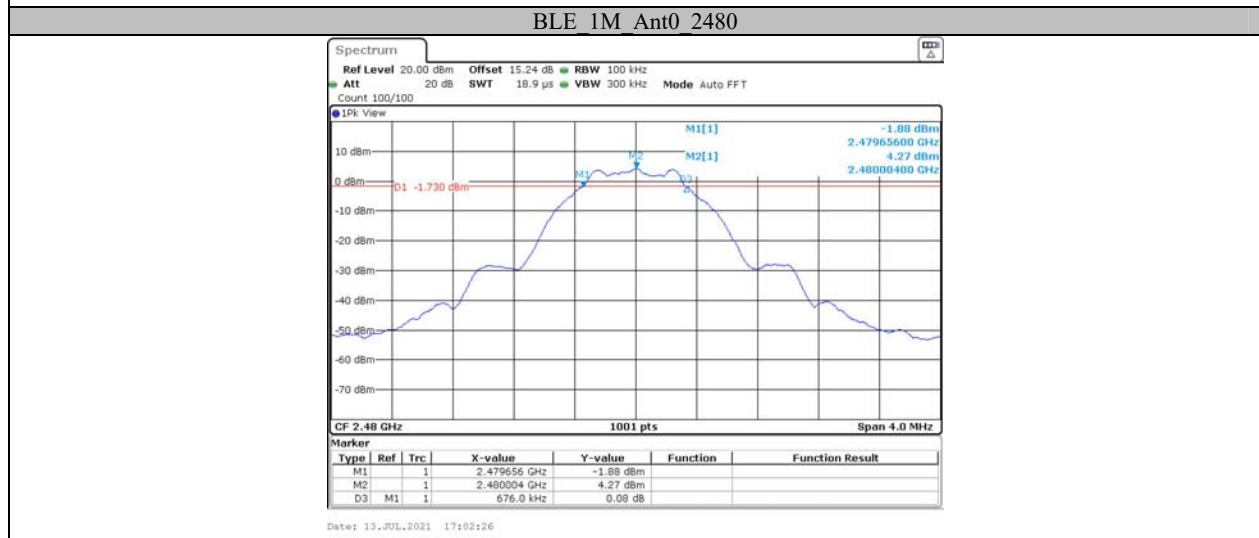
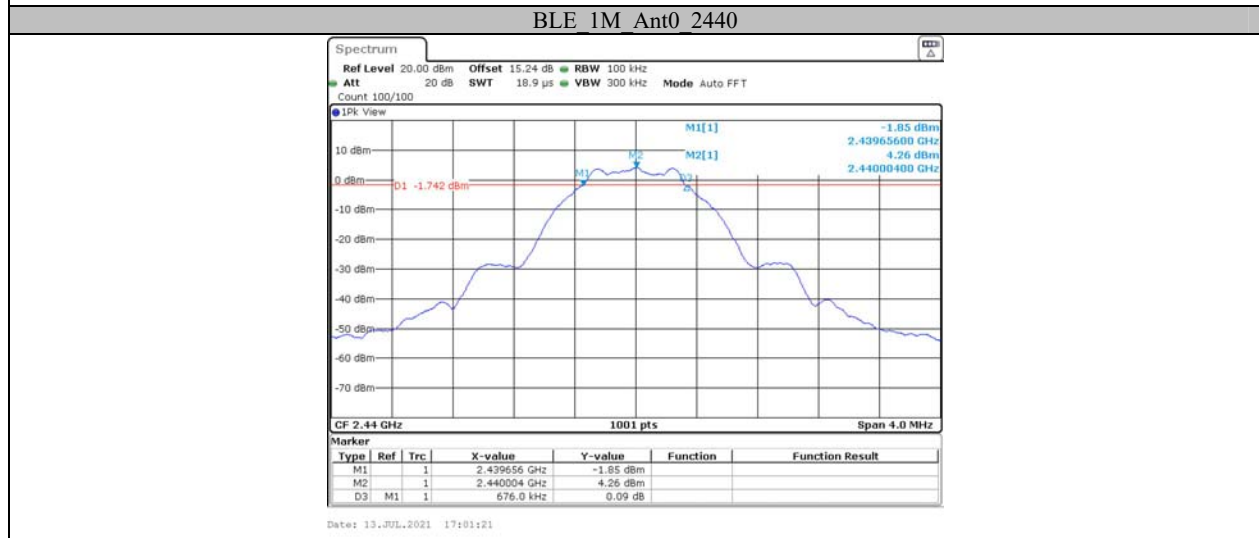
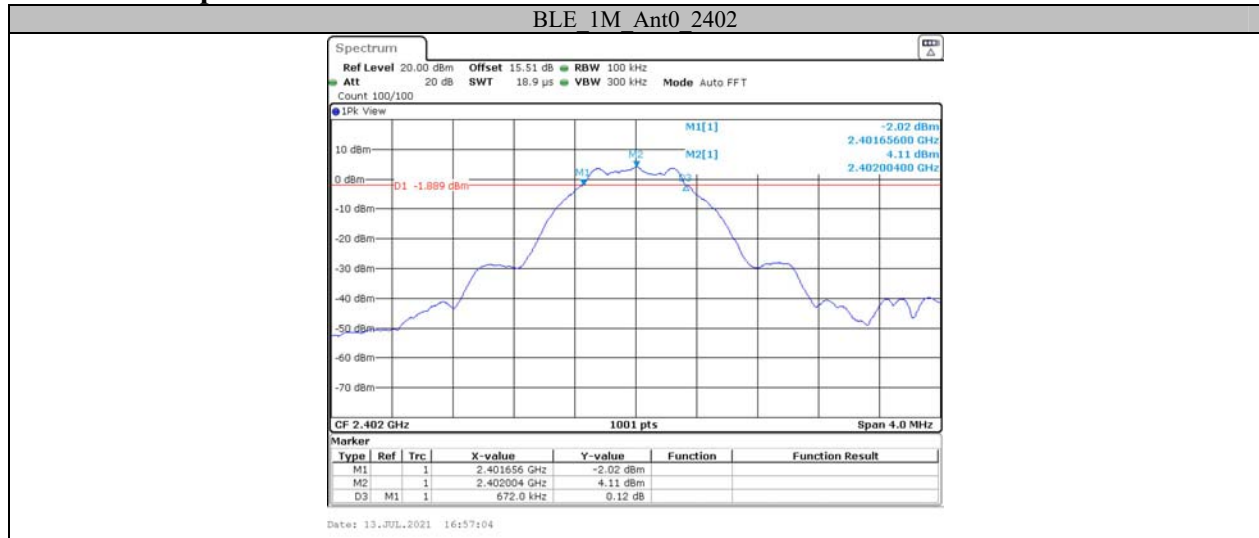


APPENDIX BLE

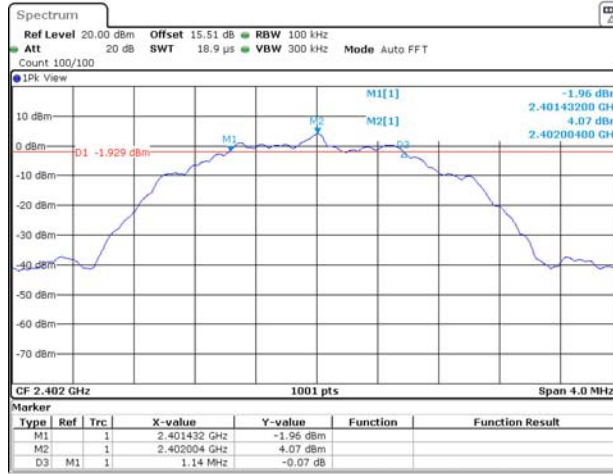
Appendix A: DTS Bandwidth Test Result

Test Mode	Antenna	Channel	DTS BW [MHz]	Limit[MHz]	Verdict
BLE_1M	Ant0	2402	0.672	0.5	PASS
		2440	0.676	0.5	PASS
		2480	0.676	0.5	PASS
BLE_2M	Ant0	2402	1.140	0.5	PASS
		2440	1.140	0.5	PASS
		2480	1.140	0.5	PASS

Test Graphs

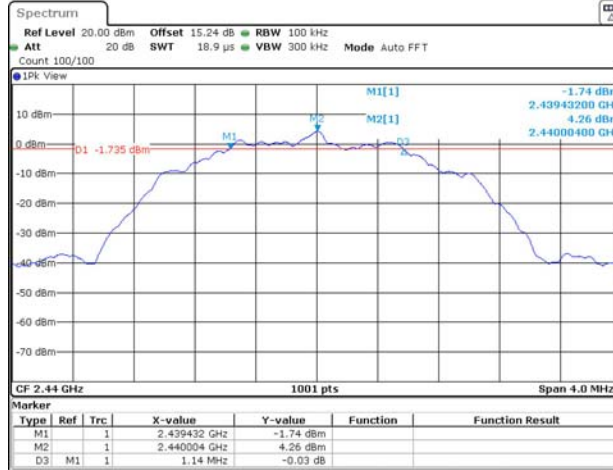


BLE 2M Ant0 2402



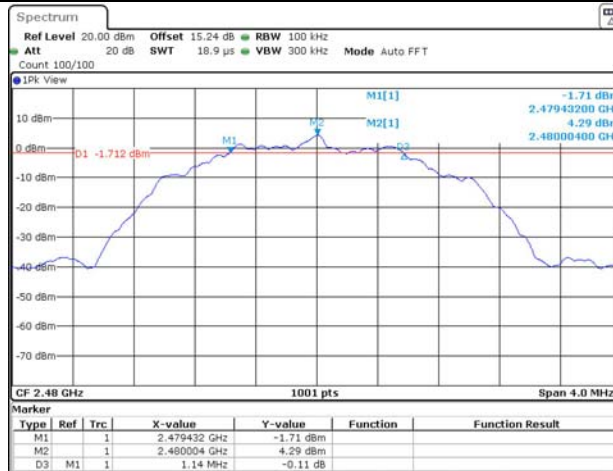
Date: 13.JUL.2021 17:03:45

BLE 2M Ant0 2440



Date: 13.JUL.2021 17:05:10

BLE 2M Ant0 2480

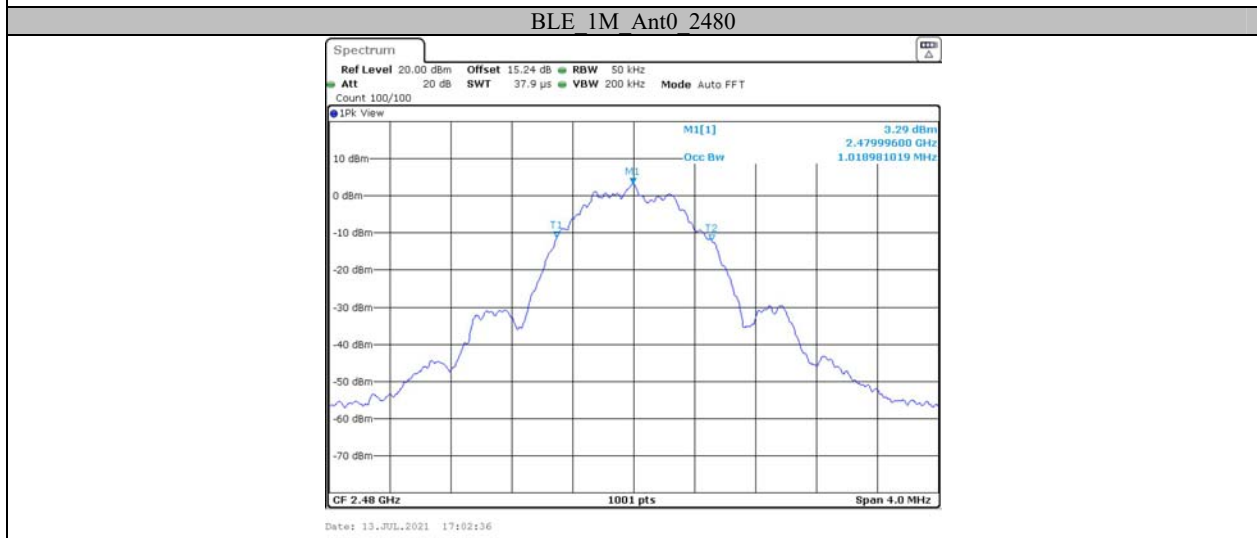
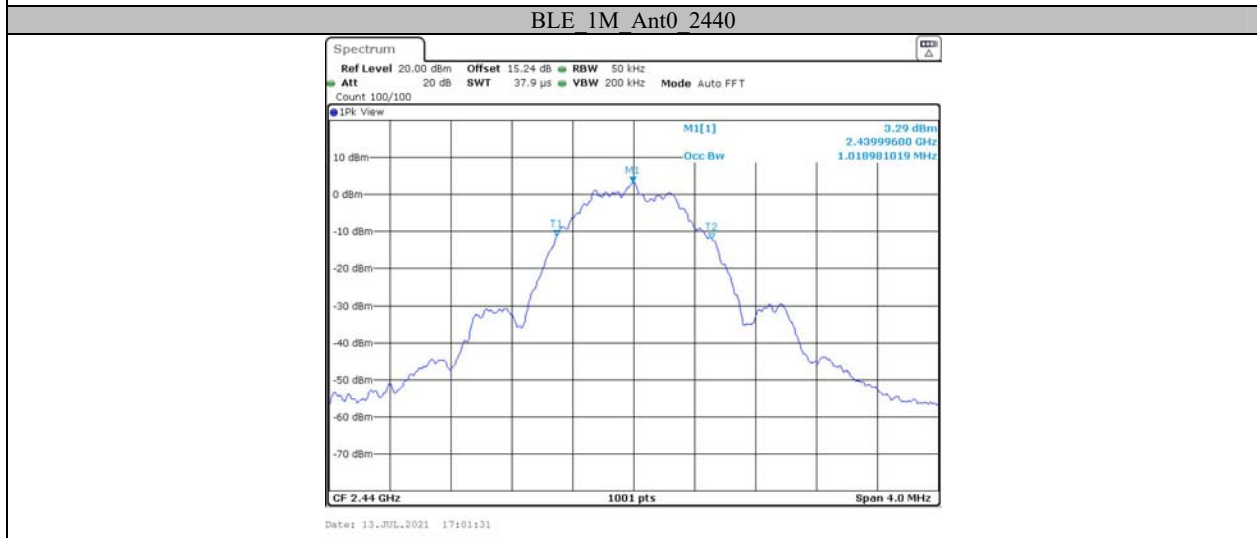
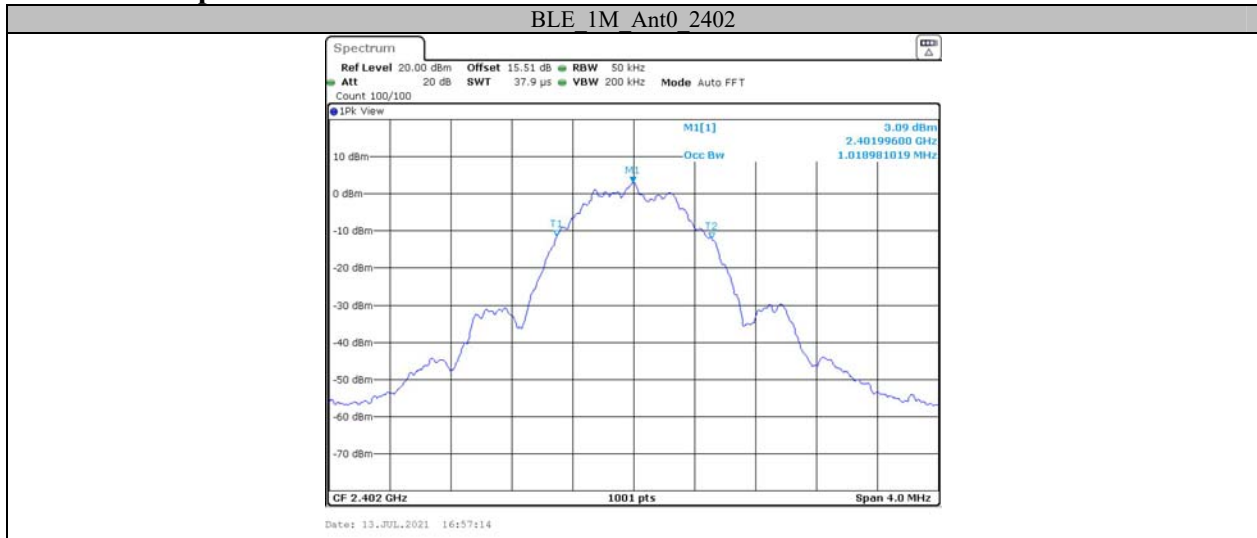


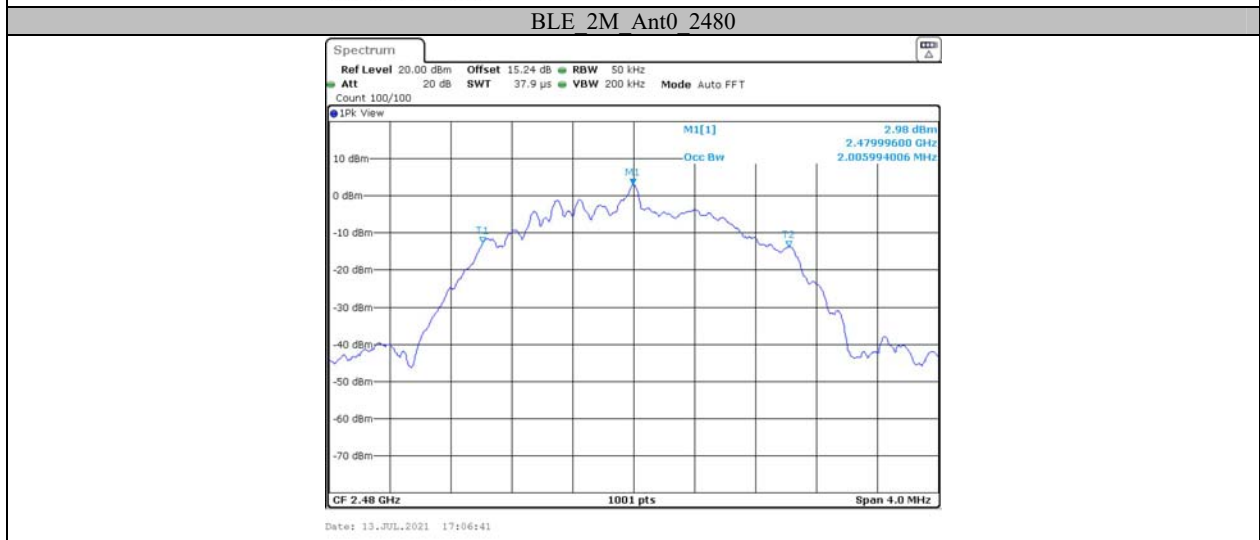
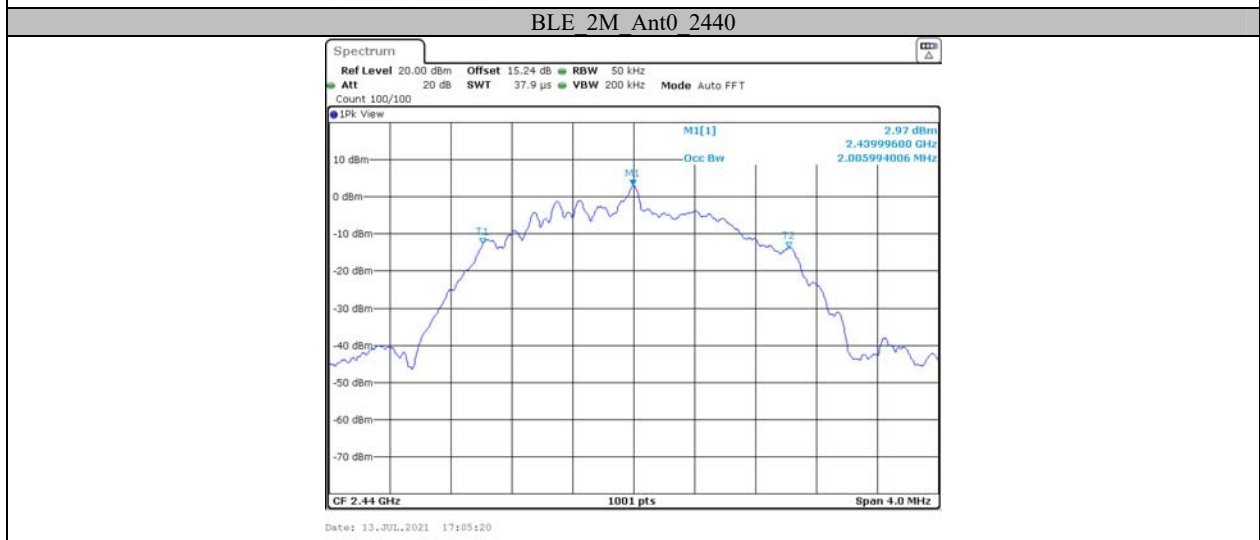
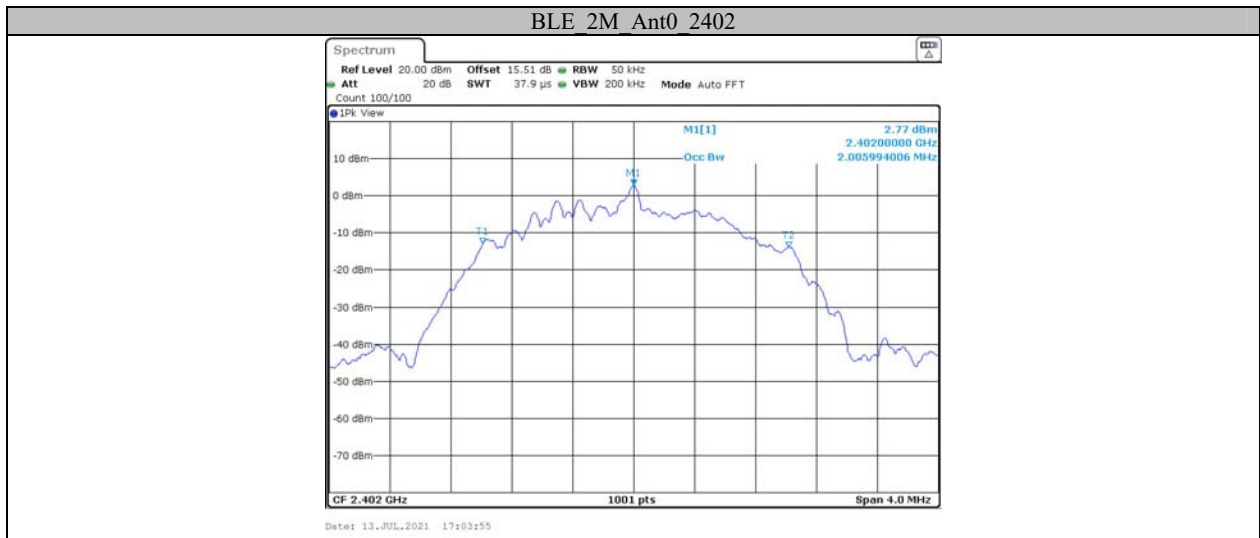
Date: 13.JUL.2021 17:06:31

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

Test Mode	Antenna	Channel	OCB [MHz]	Limit[MHz]	Verdict
BLE_1M	Ant0	2402	1.019	---	PASS
		2440	1.019	---	PASS
		2480	1.019	---	PASS
BLE_2M	Ant0	2402	2.006	---	PASS
		2440	2.006	---	PASS
		2480	2.006	---	PASS

Test Graphs





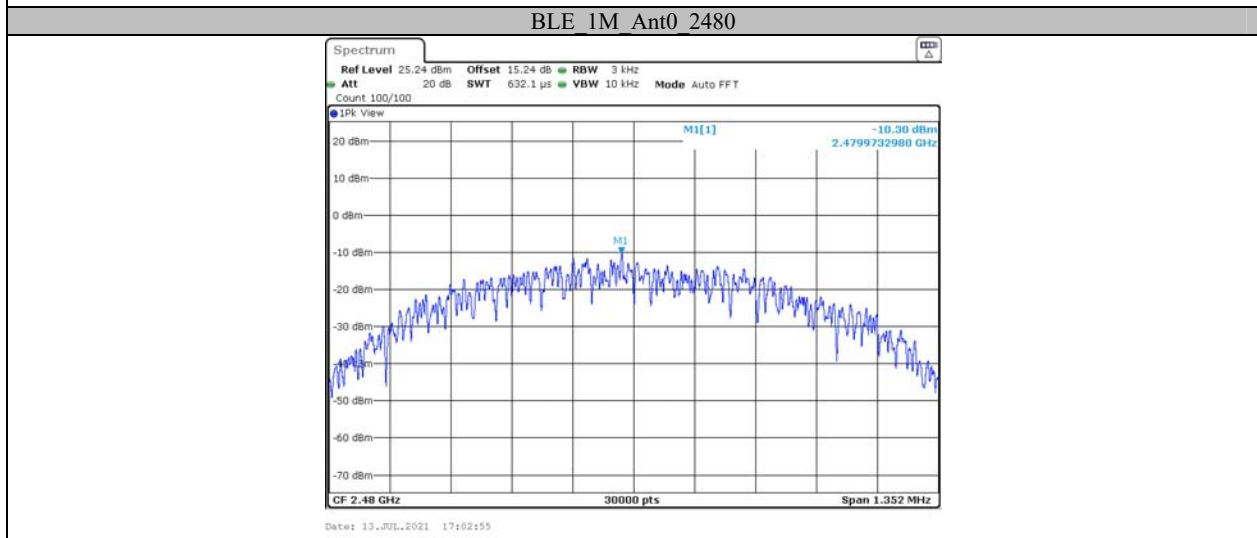
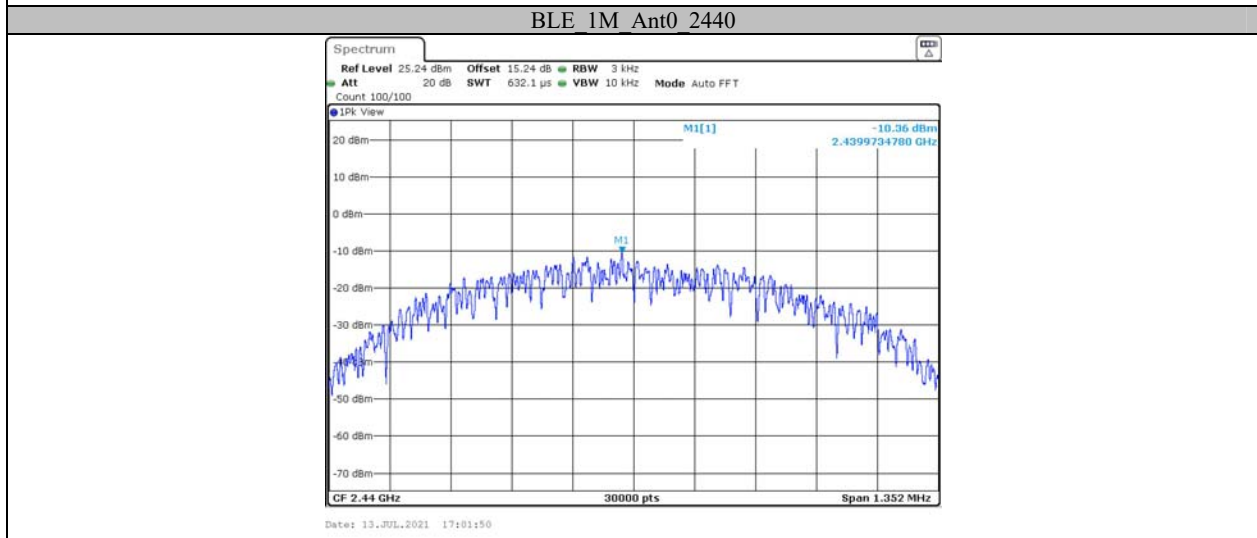
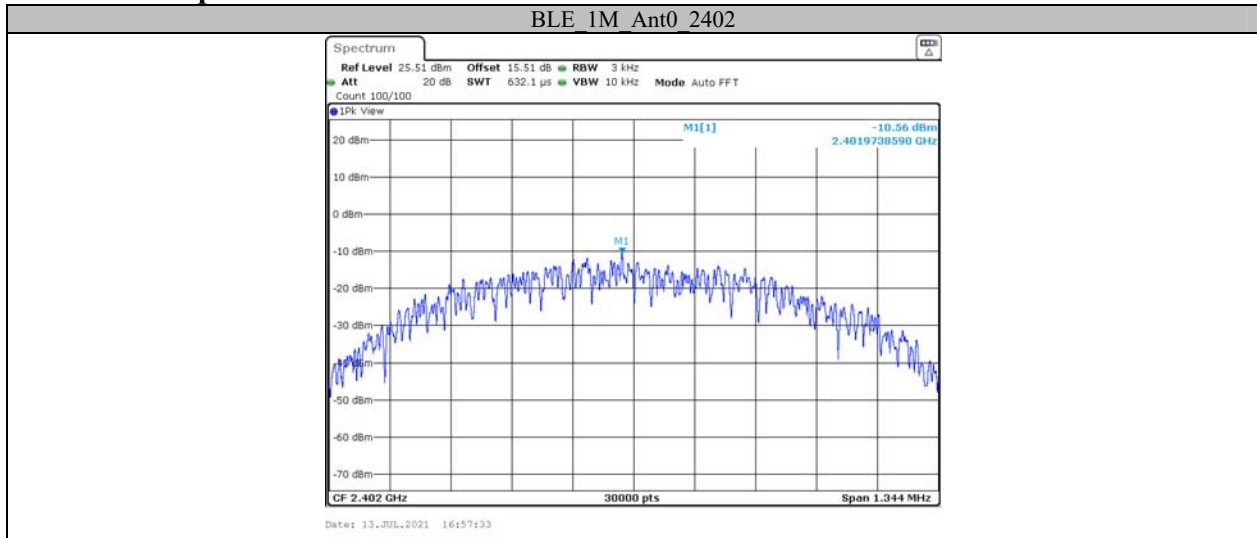
**Appendix C: Maximum conducted Peak output power
Test Result**

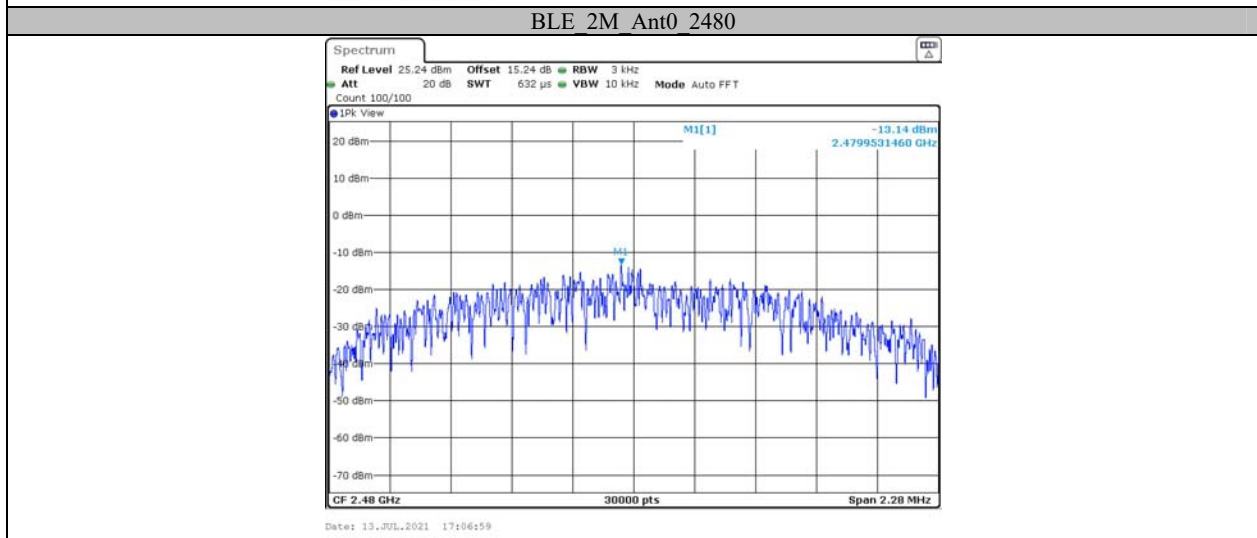
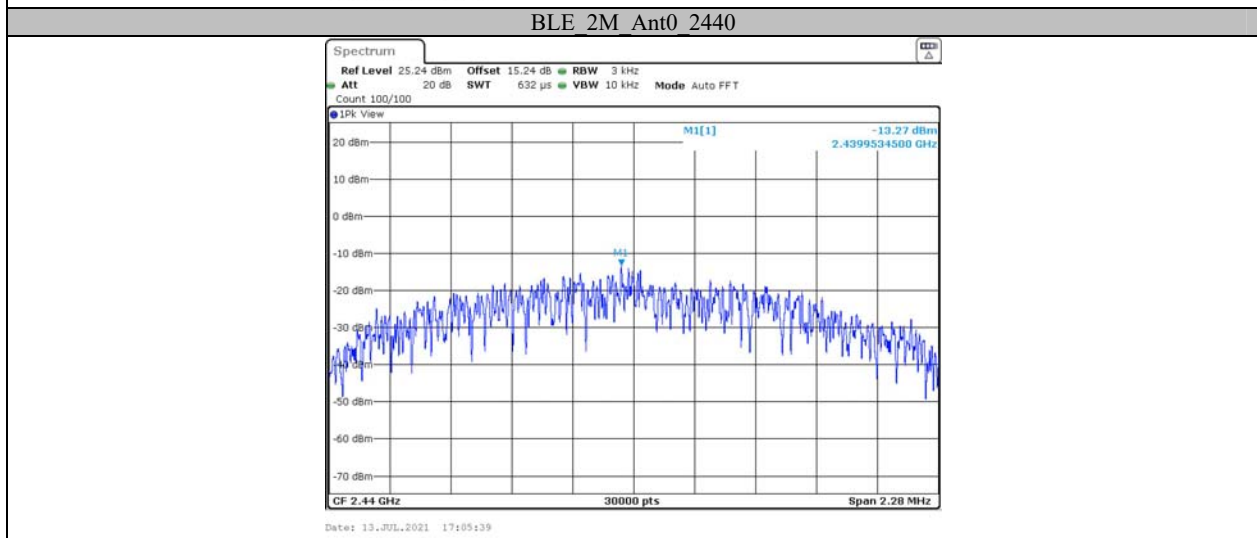
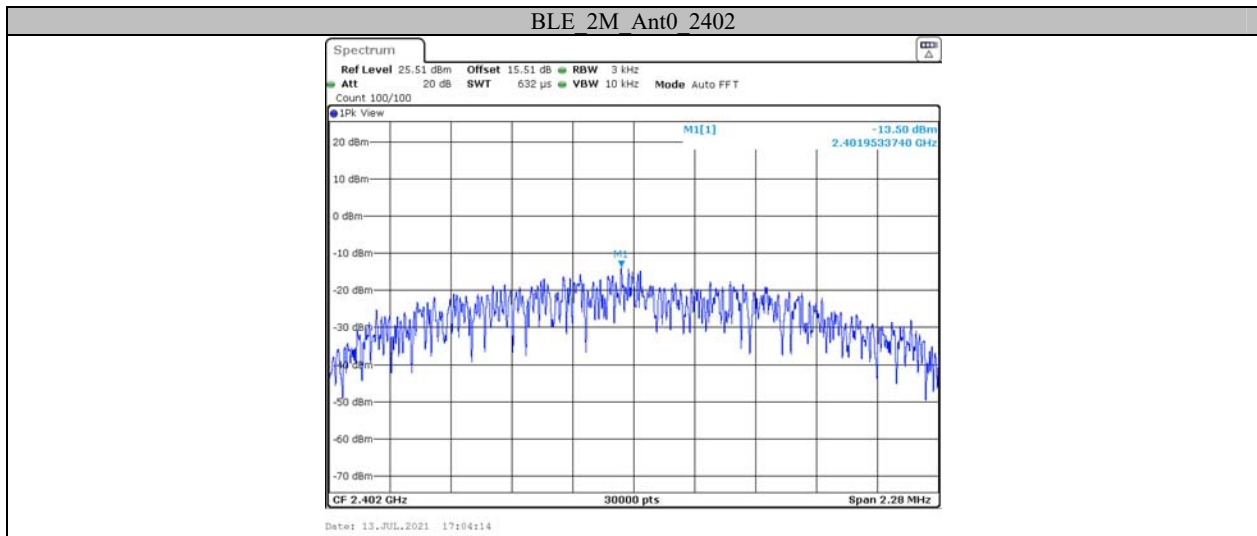
Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant0	2402	5.15	≤ 30	PASS
		2440	5.67	≤ 30	PASS
		2480	5.67	≤ 30	PASS
BLE_2M	Ant0	2402	5.30	≤ 30	PASS
		2440	5.77	≤ 30	PASS
		2480	5.77	≤ 30	PASS

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

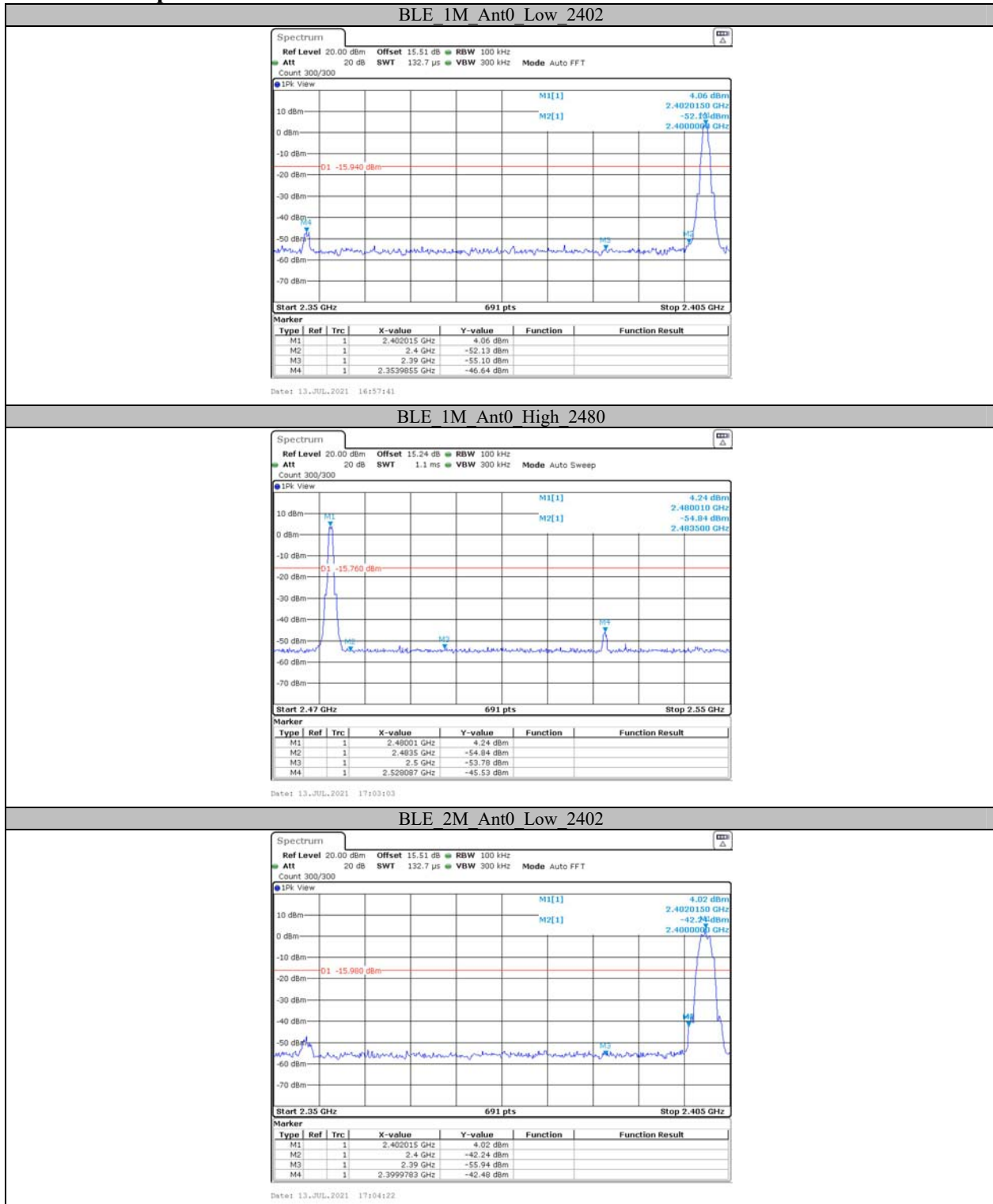
Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant0	2402	-10.56	≤8	PASS
		2440	-10.36	≤8	PASS
		2480	-10.30	≤8	PASS
BLE_2M	Ant0	2402	-13.50	≤8	PASS
		2440	-13.27	≤8	PASS
		2480	-13.14	≤8	PASS

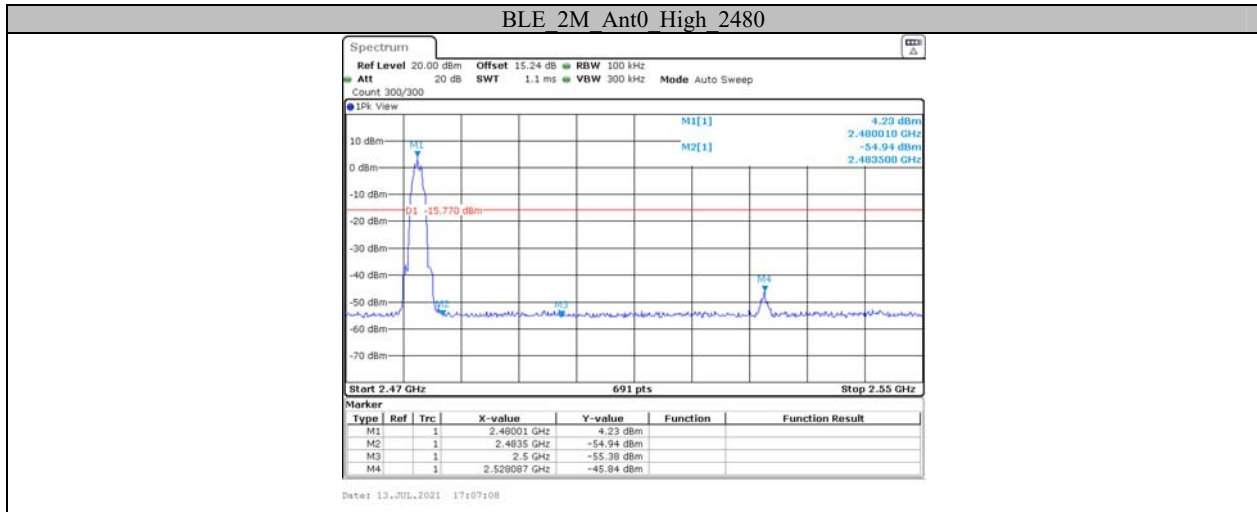
Test Graphs





Appendix E: Band edge measurements Test Graphs

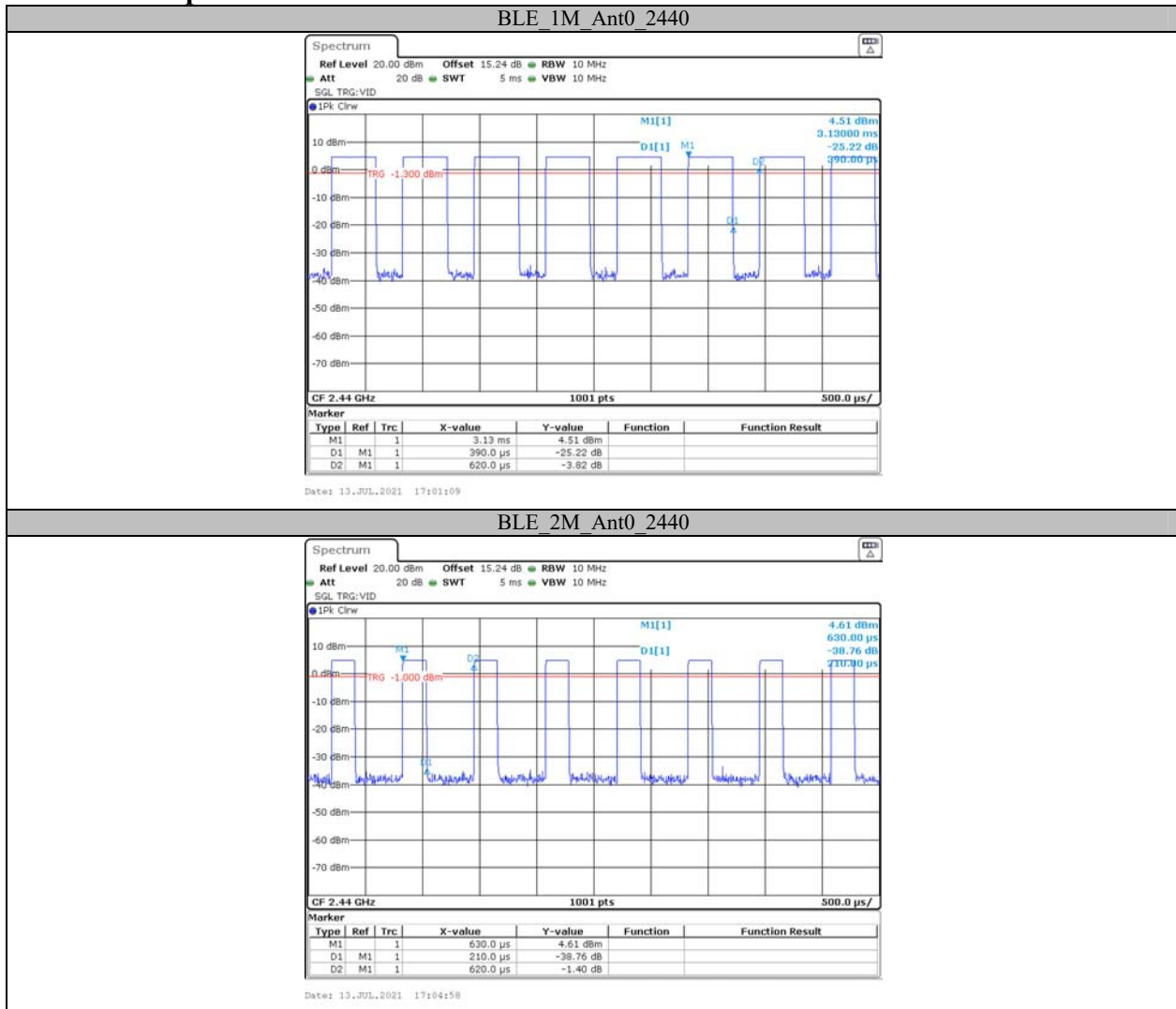




Appendix F: Duty Cycle Test Result

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
BLE 1M	Ant0	2440	0.39	0.62	62.90
BLE 2M	Ant0	2440	0.21	0.62	33.87

Test Graphs



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