



Appendix for 2.4G WiFi



1 Appendix A: DTS (6 dB) Bandwidth

1.1 Test Result

1.1.1 11b20SISO

Test Mode	Channel	Antenna	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B20SISO	2412	Ant1	9.56	2406.99	2416.55	DTS \geq 0.5	PASS
	2437	Ant1	9.56	2432.47	2442.03	DTS \geq 0.5	PASS
	2462	Ant1	9.55	2457.47	2467.02	DTS \geq 0.5	PASS

1.1.2 11g20SISO

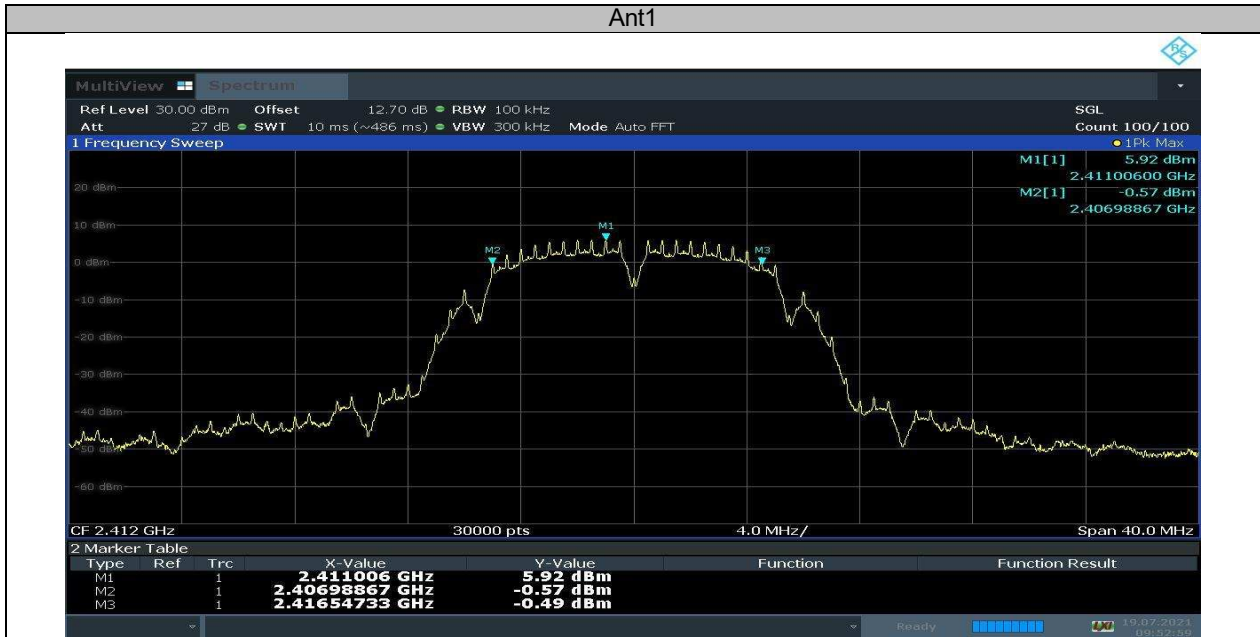
Test Mode	Channel	Antenna	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11G20SISO	2412	Ant1	16.38	2403.8	2420.18	DTS \geq 0.5	PASS
	2437	Ant1	16.37	2428.83	2445.2	DTS \geq 0.5	PASS
	2462	Ant1	16.37	2453.82	2470.2	DTS \geq 0.5	PASS

1.1.3 11n20SISO

Test Mode	Channel	Antenna	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11N20SISO	2412	Ant1	17.59	2403.2	2420.79	DTS \geq 0.5	PASS
	2437	Ant1	17.6	2428.21	2445.8	DTS \geq 0.5	PASS
	2462	Ant1	17.6	2453.21	2470.81	DTS \geq 0.5	PASS

1.2 Test Graphs

1.2.1 11b20SISO_2412



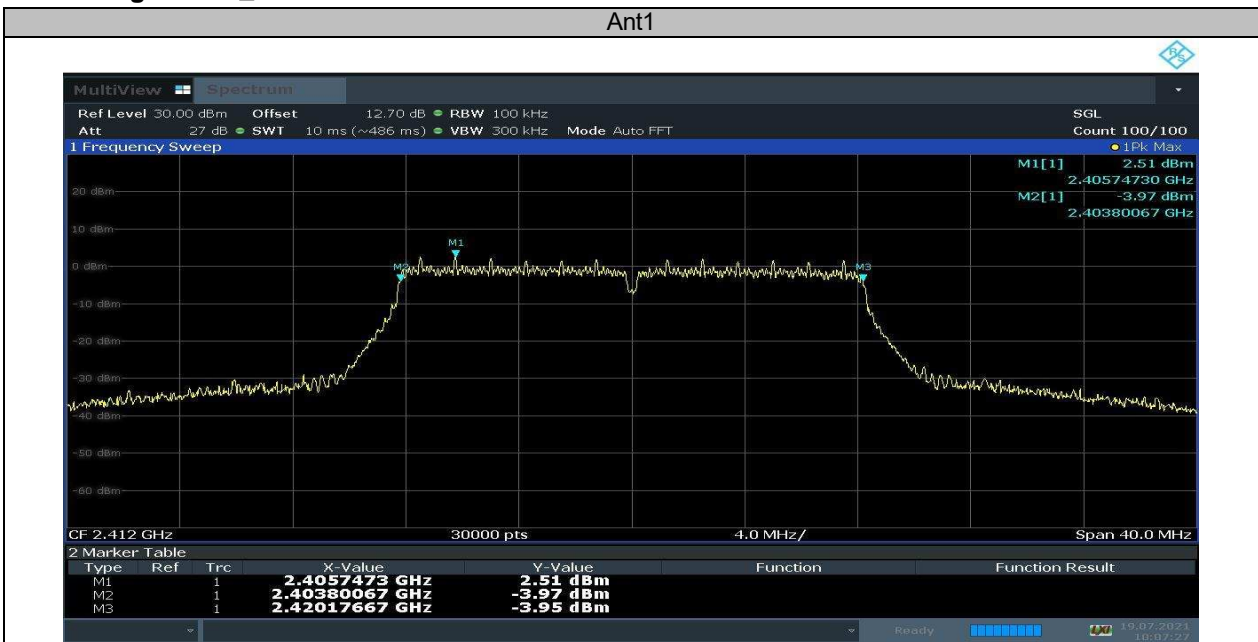
1.2.2 11b20SISO_2437



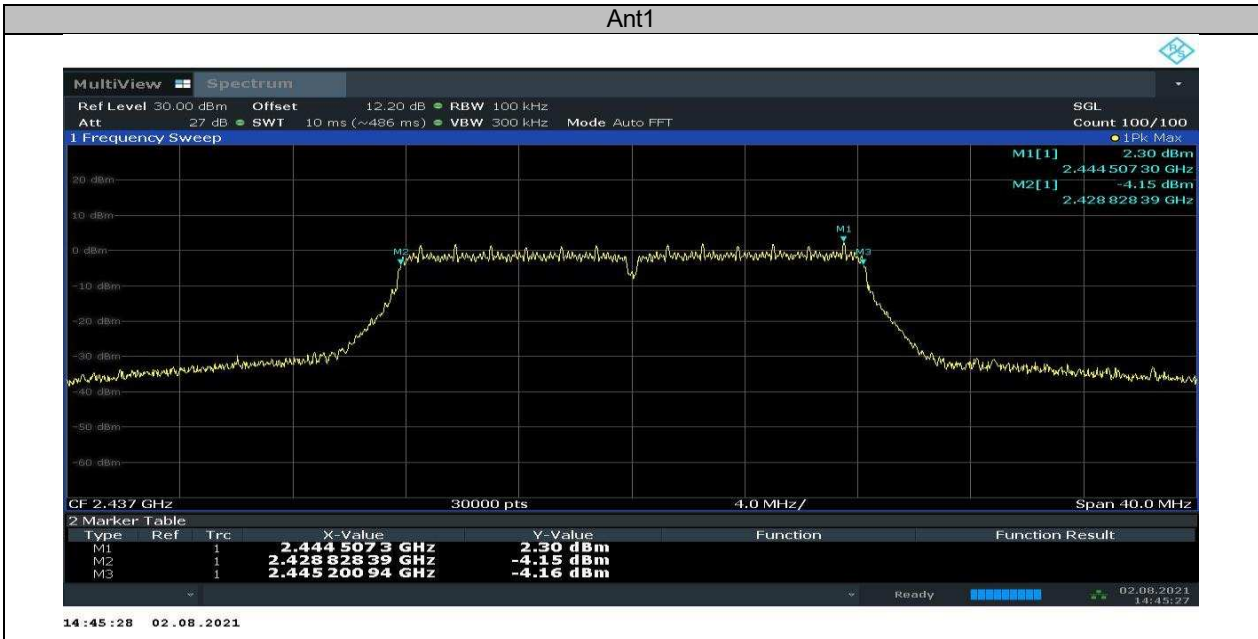
1.2.3 11b20SISO_2462



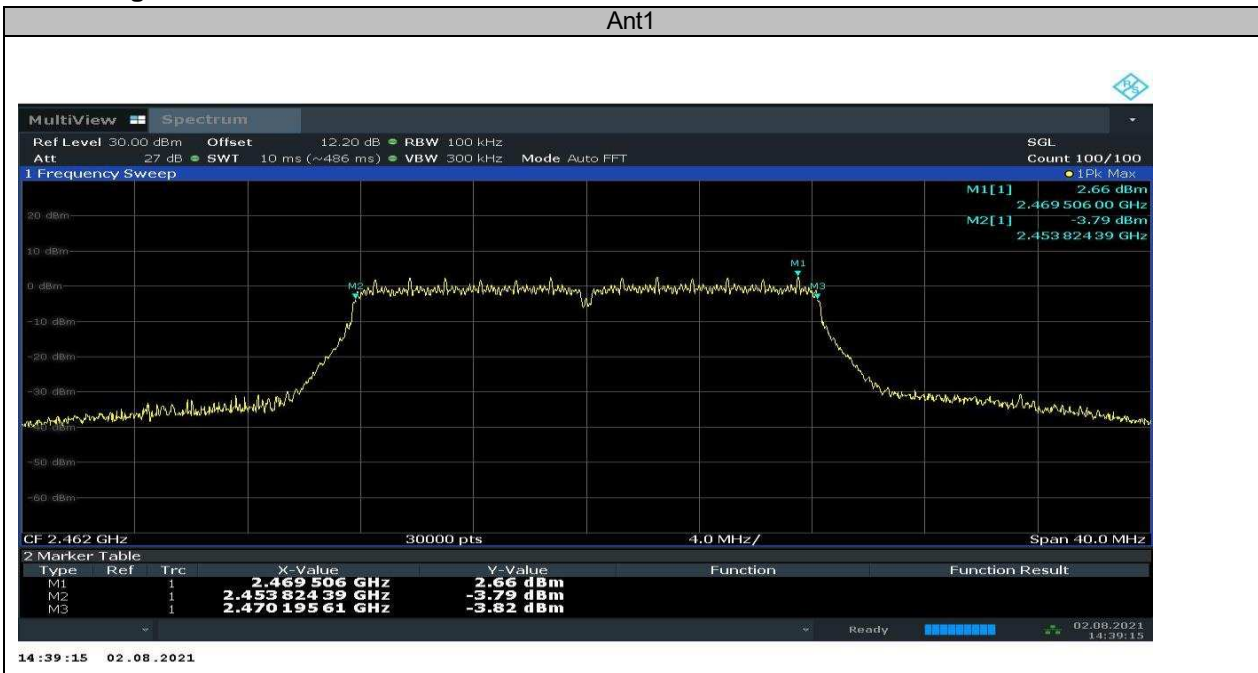
1.2.4 11g20SISO_2412



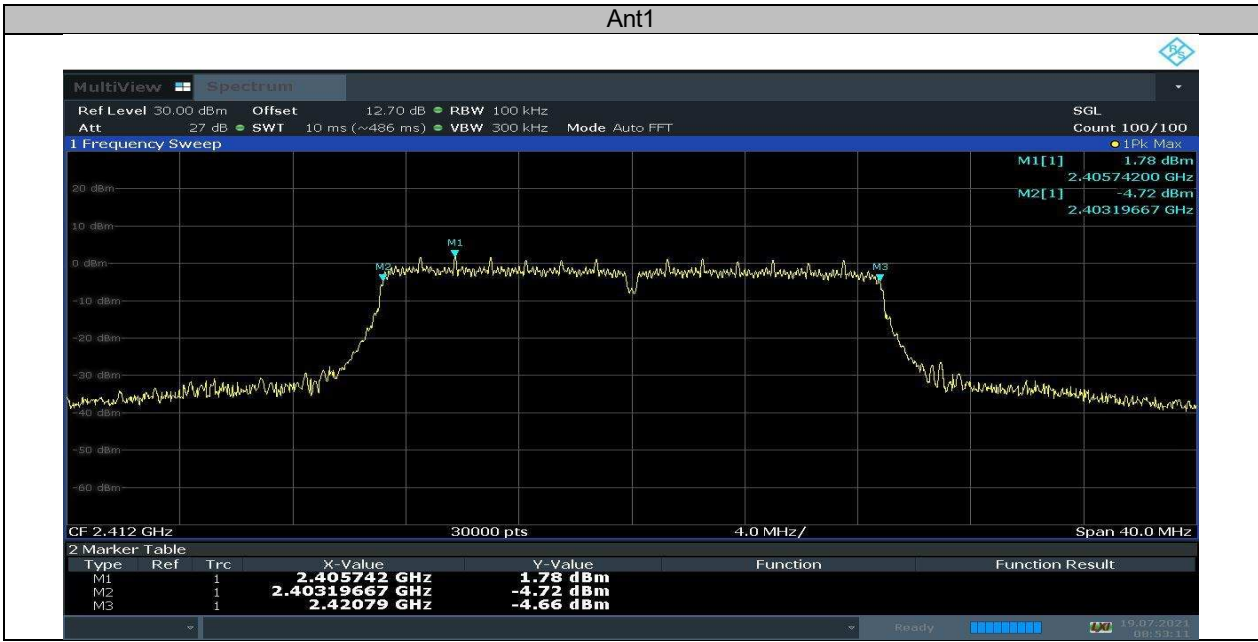
1.2.5 11g20SISO_2437



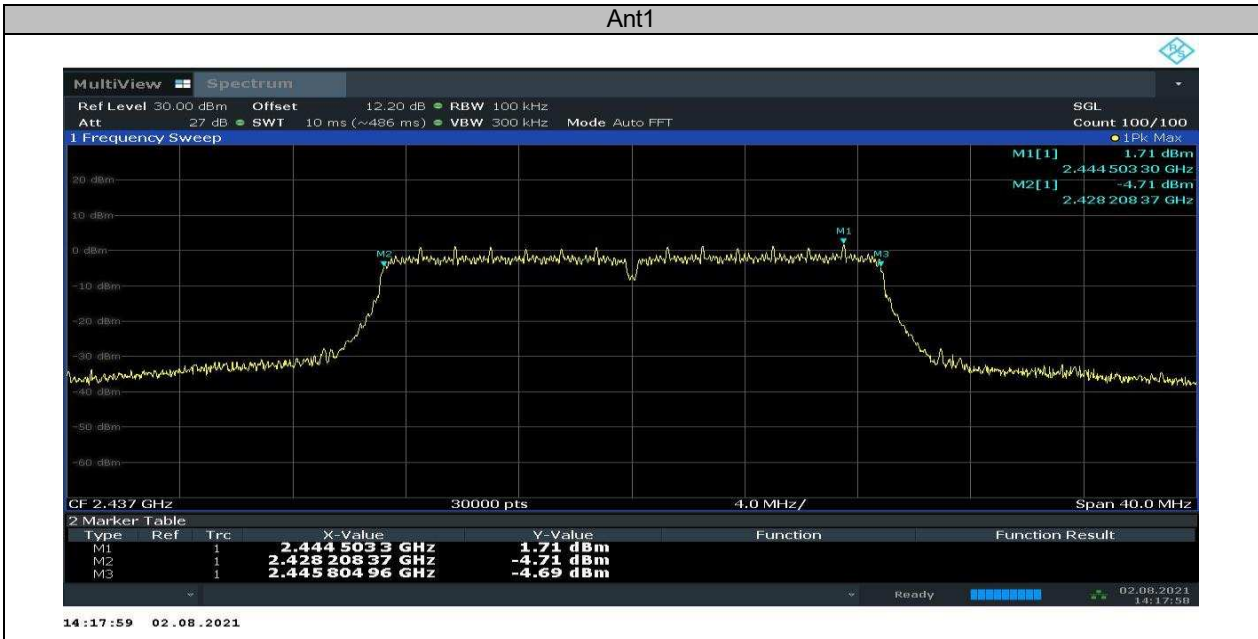
1.2.6 11g20SISO_2462



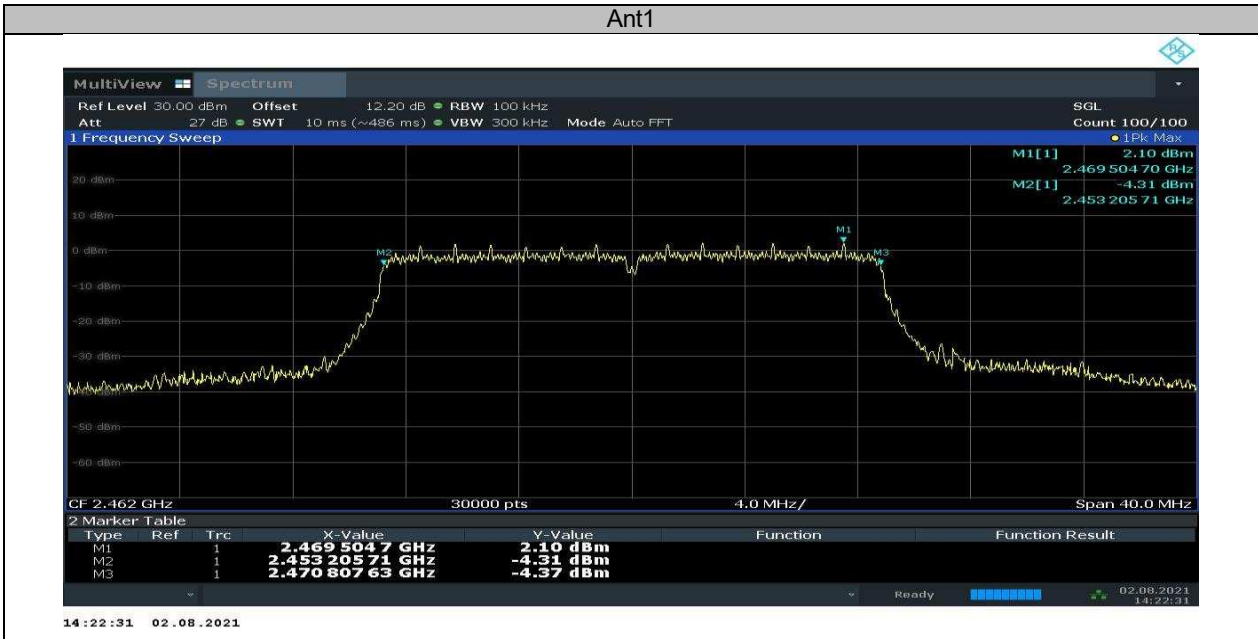
1.2.7 11n20SISO_2412



1.2.8 11n20SISO_2437



1.2.9 11n20SISO_2462



2 Appendix B: Occupied Channel Bandwidth

2.1 Test Result

2.1.1 11b20SISO

Test Mode	Channel	Antenna	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B20SISO	2412	Ant1	11.21	2406.35	2417.56	---	PASS
	2437	Ant1	11.14	2431.47	2442.61	---	PASS
	2462	Ant1	11.12	2456.49	2467.61	---	PASS

2.1.2 11g20SISO

Test Mode	Channel	Antenna	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11G20SISO	2412	Ant1	16.72	2403.6	2420.32	---	PASS
	2437	Ant1	16.75	2428.66	2445.41	---	PASS
	2462	Ant1	16.69	2453.67	2470.37	---	PASS

2.1.3 11n20SISO

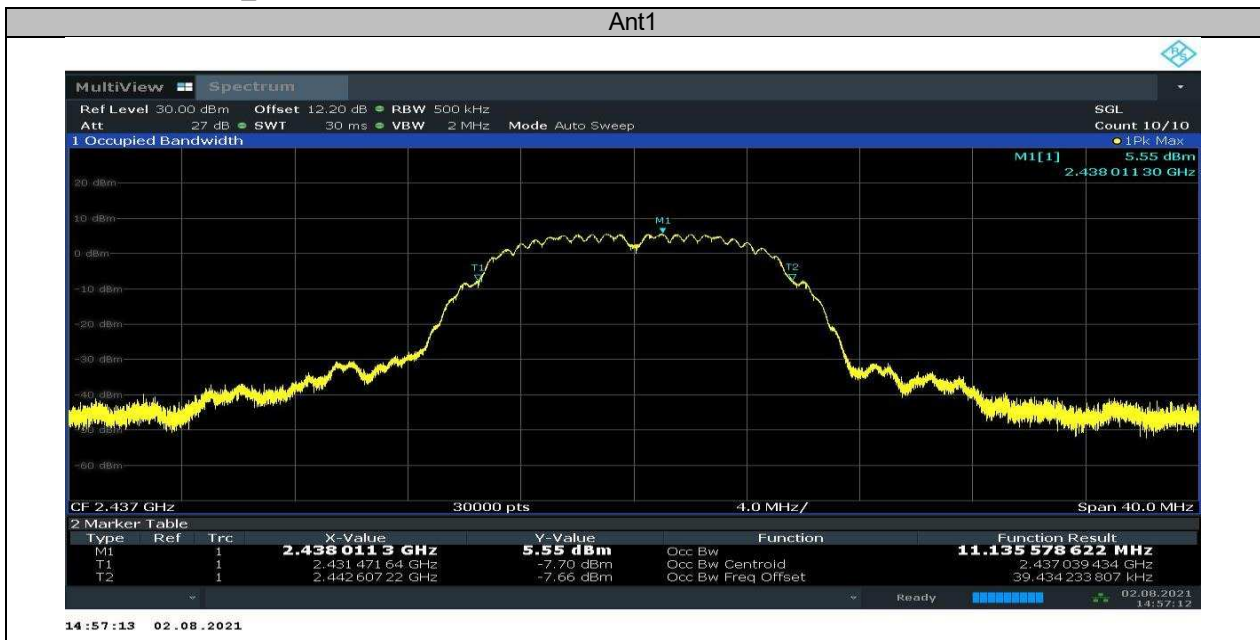
Test Mode	Channel	Antenna	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11N20SISO	2412	Ant1	17.77	2403.09	2420.86	---	PASS
	2437	Ant1	17.8	2428.12	2445.92	---	PASS
	2462	Ant1	17.75	2453.14	2470.89	---	PASS

2.2 Test Graphs

2.2.1 11b20SISO_2412



2.2.2 11b20SISO_2437



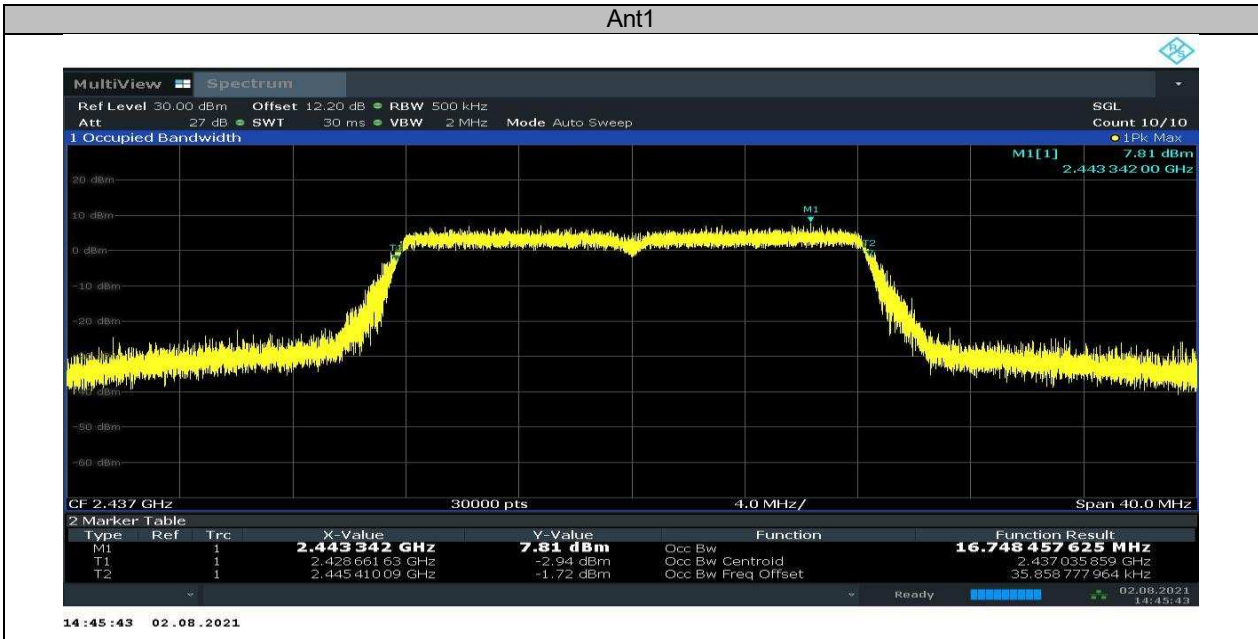
2.2.3 11b20SISO_2462



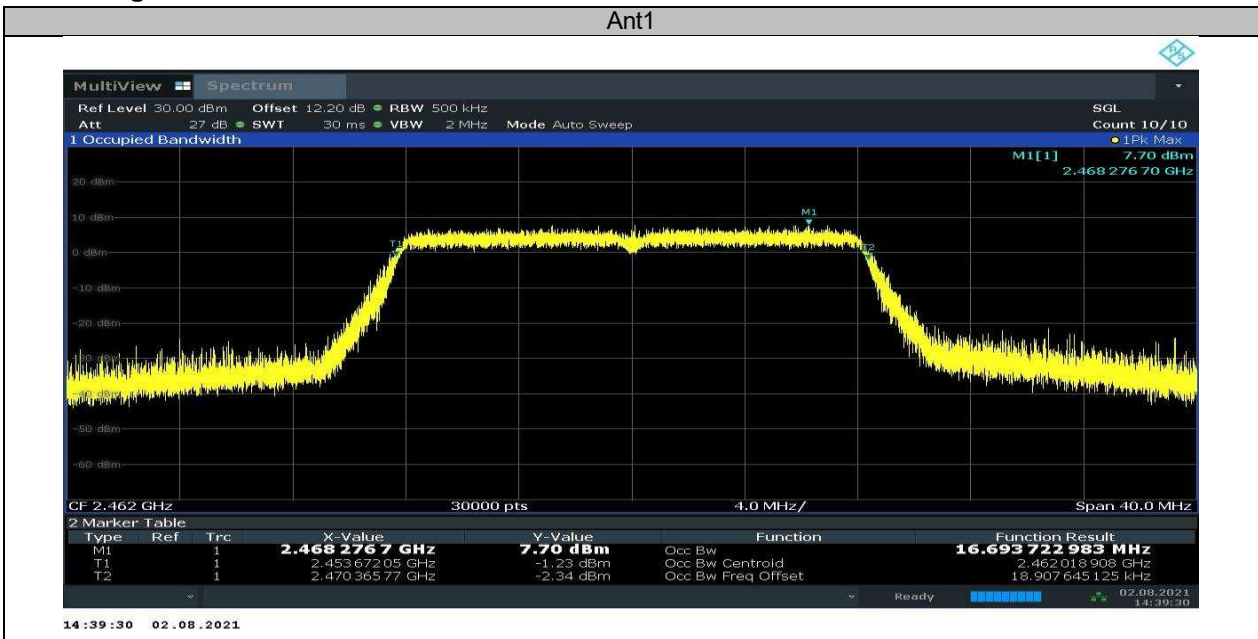
2.2.4 11g20SISO_2412



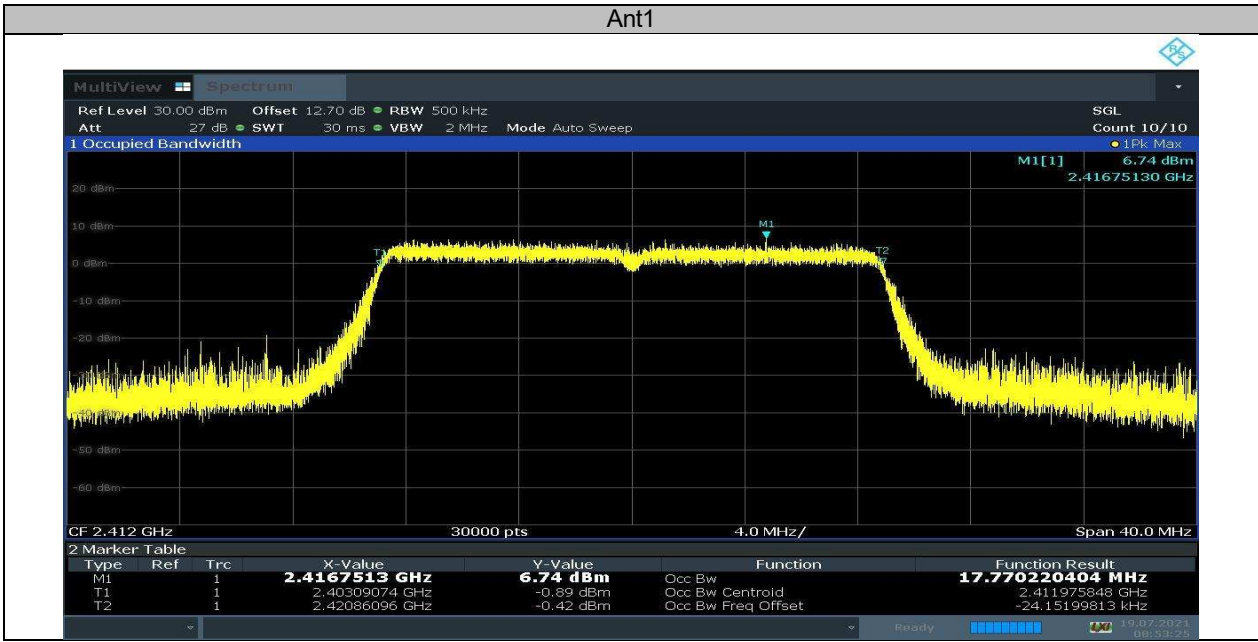
2.2.5 11g20SISO_2437



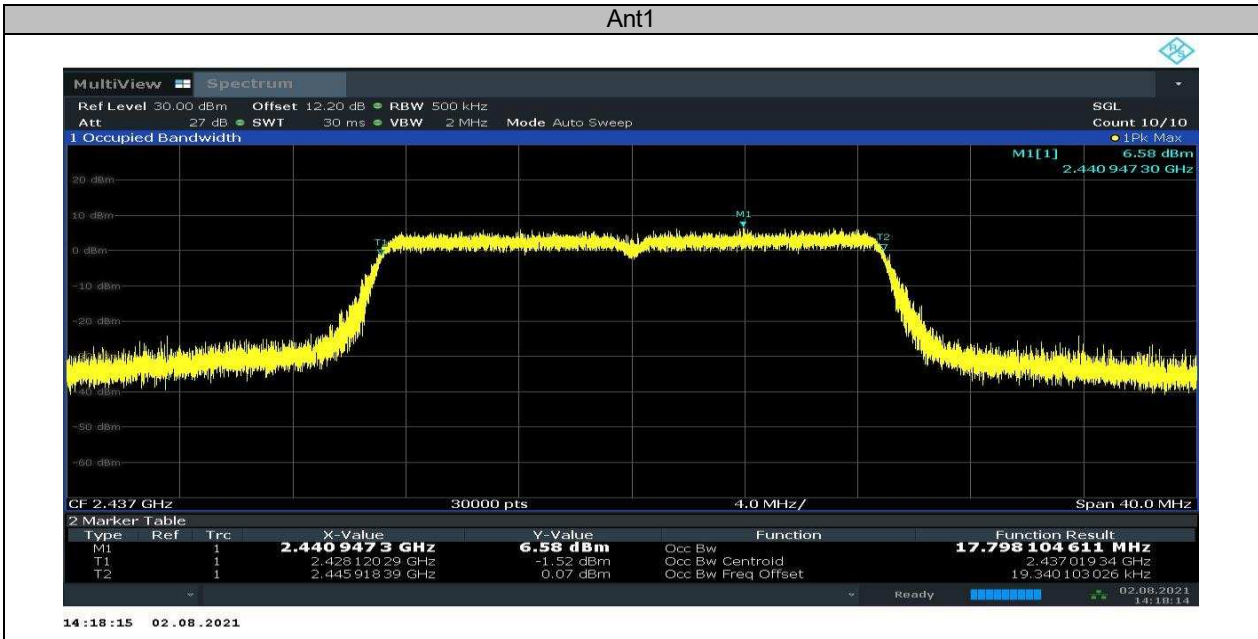
2.2.6 11g20SISO_2462



2.2.7 11n20SISO_2412



2.2.8 11n20SISO_2437



2.2.9 11n20SISO_2462



3 Appendix C: Duty Cycle

3.1 Test Result

3.1.1 11b20SISO

Test Mode	Channel	Antenna	Transmission Duration [ms]	Transmission Period [ms]	Duty cycle [%]	Limit	Verdict
11B20SISO	2437	Ant1	16.41	16.44	99.82	---	PASS

3.1.2 11g20SISO

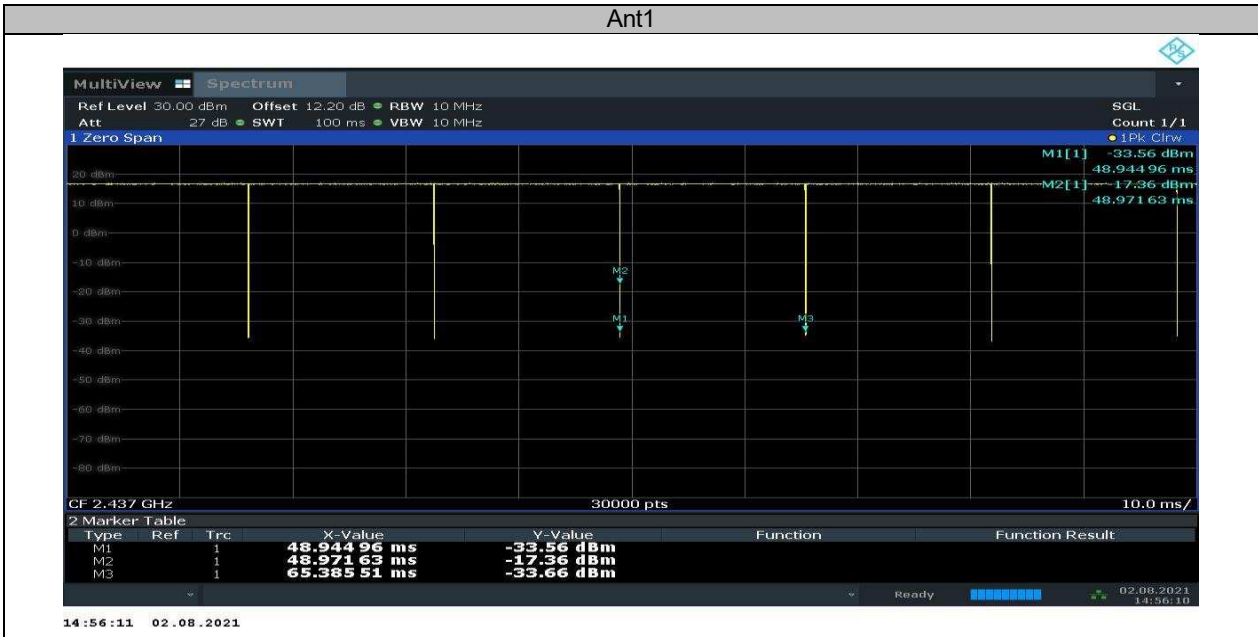
Test Mode	Channel	Antenna	Transmission Duration [ms]	Transmission Period [ms]	Duty cycle [%]	Limit	Verdict
11G20SISO	2437	Ant1	2.73	2.77	98.73	---	PASS

3.1.3 11n20SISO

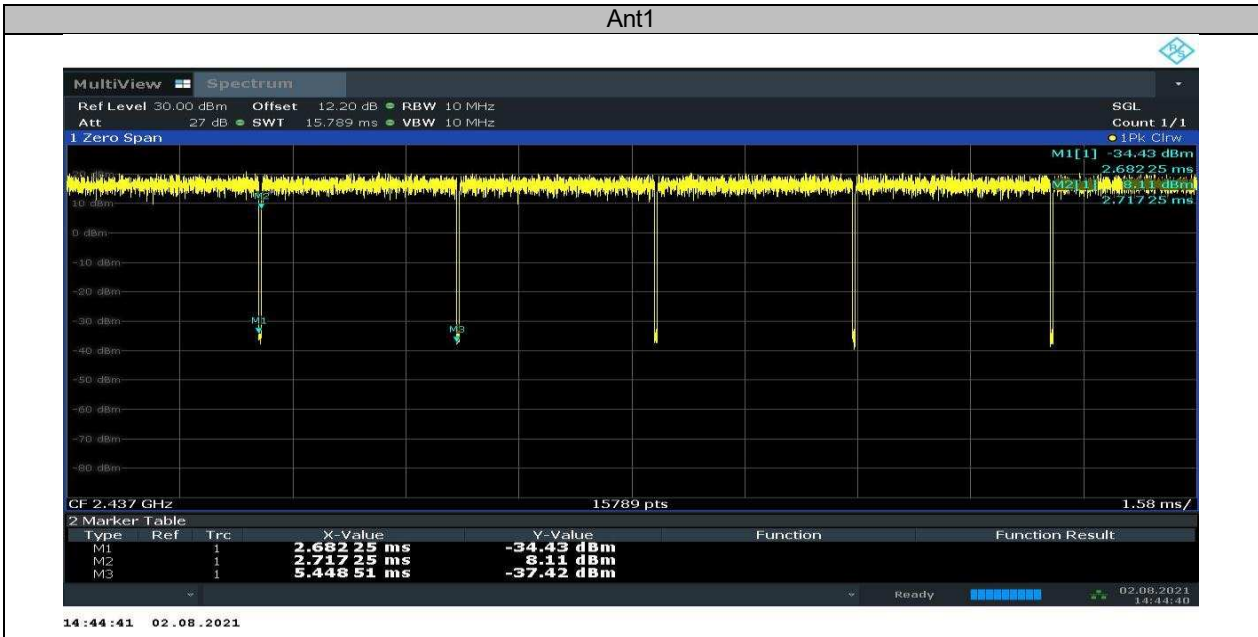
Test Mode	Channel	Antenna	Transmission Duration [ms]	Transmission Period [ms]	Duty cycle [%]	Limit	Verdict
11N20SISO	2437	Ant1	2.54	2.57	98.64	---	PASS

3.2 Test Graphs

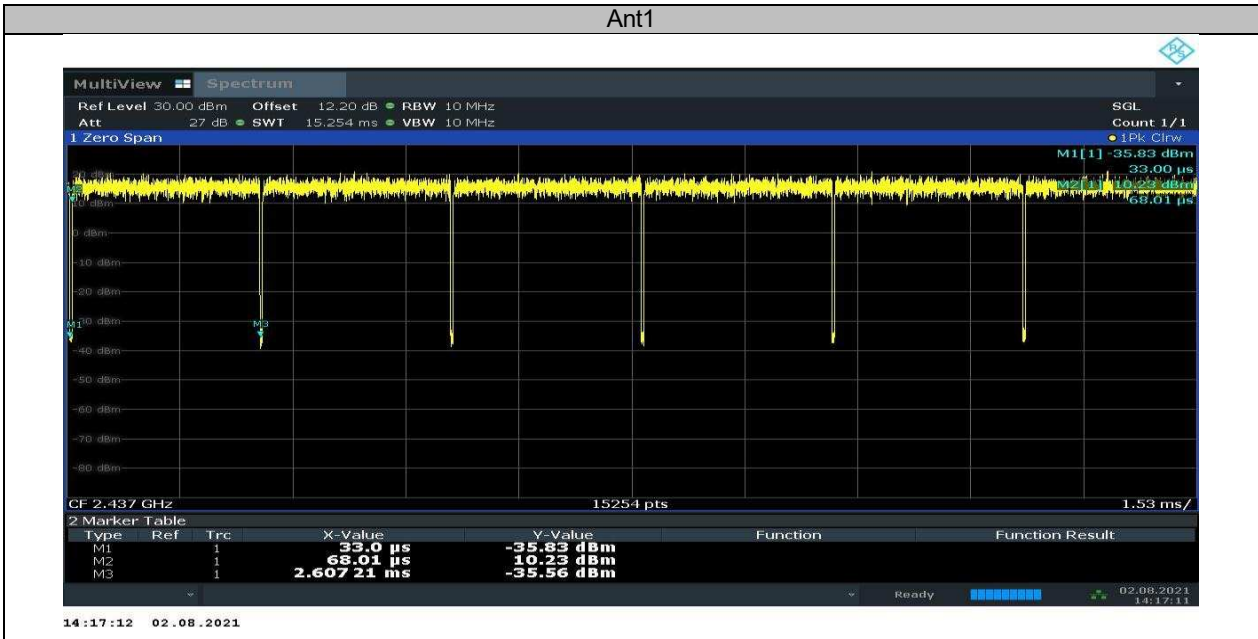
3.2.1 11b20SISO_2437



3.2.2 11g20SISO_2437



3.2.3 11n20SISO_2437





4 Appendix D : Maximum Average Output Power

4.1 Test Result

Note1: The Duty Cycle Factor is compensated in the Conducted Result.

4.1.1 11b20SISO

Test Mode	Channel	Antenna	Conducted Result[dBm]	Conducted Limit[dBm]	EIRP Result[dBm]	EIRP Limit[dBm]	Verdict
11B20SISO	2412	Ant1	15.21	30	8.61	36	PASS
	2437	Ant1	14.83	30	8.23	36	PASS
	2462	Ant1	15.75	30	9.15	36	PASS

4.1.2 11g20SISO

Test Mode	Channel	Antenna	Conducted Result[dBm]	Conducted Limit[dBm]	EIRP Result[dBm]	EIRP Limit[dBm]	Verdict
11G20SISO	2412	Ant1	14.36	30	7.76	36	PASS
	2437	Ant1	12.78	30	6.18	36	PASS
	2462	Ant1	13.58	30	6.98	36	PASS

4.1.3 11n20SISO

Test Mode	Channel	Antenna	Conducted Result[dBm]	Conducted Limit[dBm]	EIRP Result[dBm]	EIRP Limit[dBm]	Verdict
11N20SISO	2412	Ant1	13.73	30	7.13	36	PASS
	2437	Ant1	12.85	30	6.25	36	PASS
	2462	Ant1	13.56	30	6.96	36	PASS



5 Appendix E: Maximum Power Spectral Density Level

5.1 Test Result

Note1: The Duty Cycle Factor is compensated in the Conducted Result.

5.1.1 11b20SISO

Test Mode	Channel	Antenna	Result[dBm/10kHz]	Limit[dBm/3kHz]	Verdict
11B20SISO	2412	Ant1	-21.64	8	PASS
	2437	Ant1	-20.7	8	PASS
	2462	Ant1	-20.26	8	PASS

5.1.2 11g20SISO

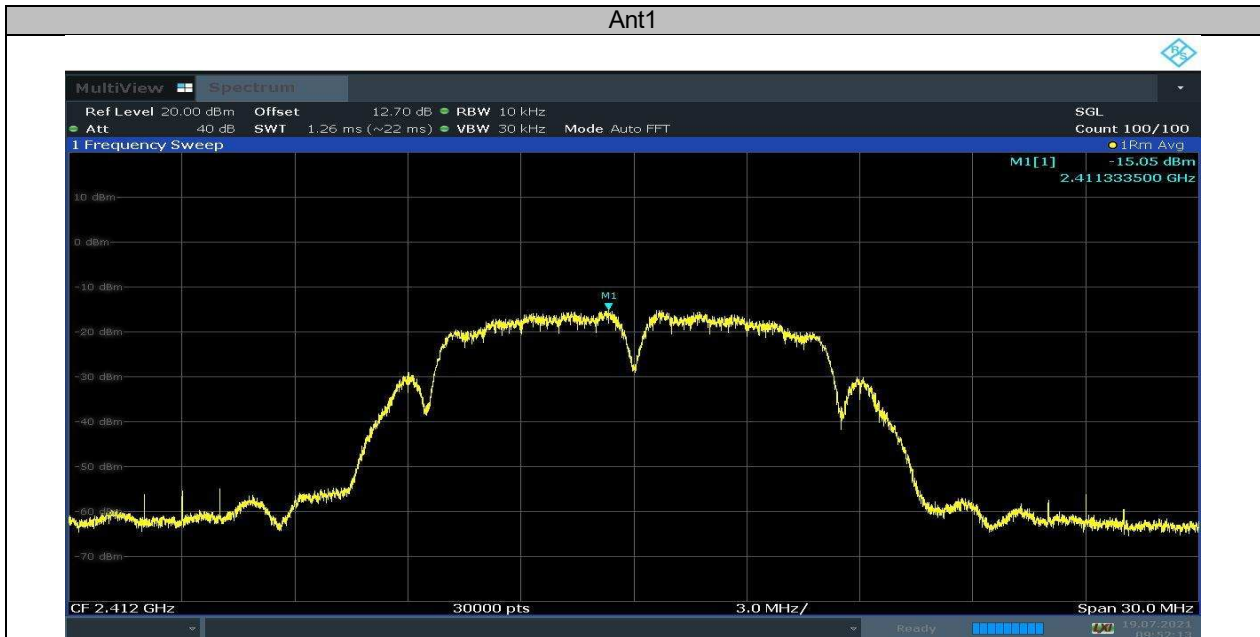
Test Mode	Channel	Antenna	Result[dBm/10kHz]	Limit[dBm/3kHz]	Verdict
11G20SISO	2412	Ant1	-23.95	8	PASS
	2437	Ant1	-23.76	8	PASS
	2462	Ant1	-22.24	8	PASS

5.1.3 11n20SISO

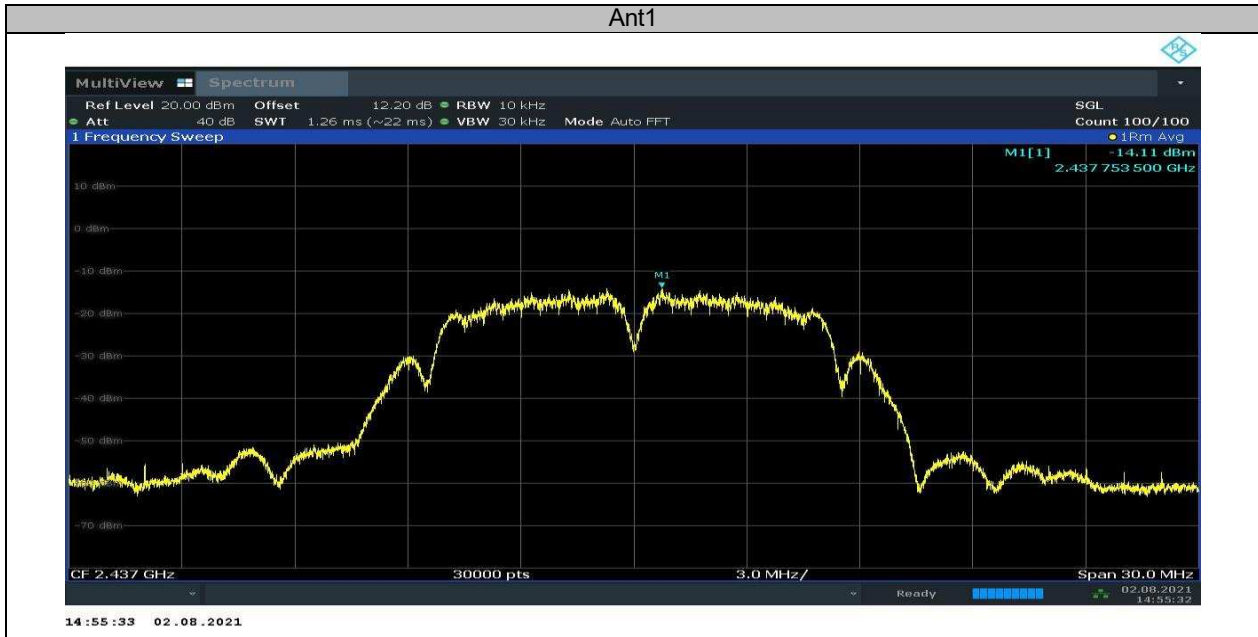
Test Mode	Channel	Antenna	Result[dBm/10kHz]	Limit[dBm/3kHz]	Verdict
11N20SISO	2412	Ant1	-25.34	8	PASS
	2437	Ant1	-24.4	8	PASS
	2462	Ant1	-22.05	8	PASS

5.2 Test Graphs

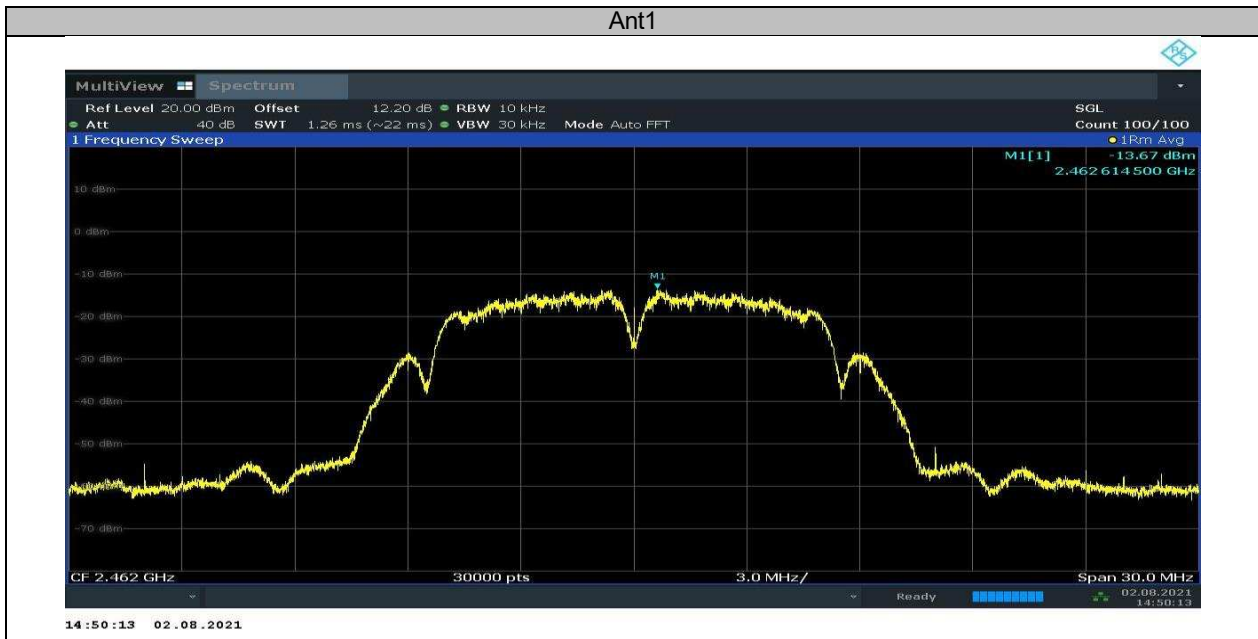
5.2.1 11b20SISO_2412



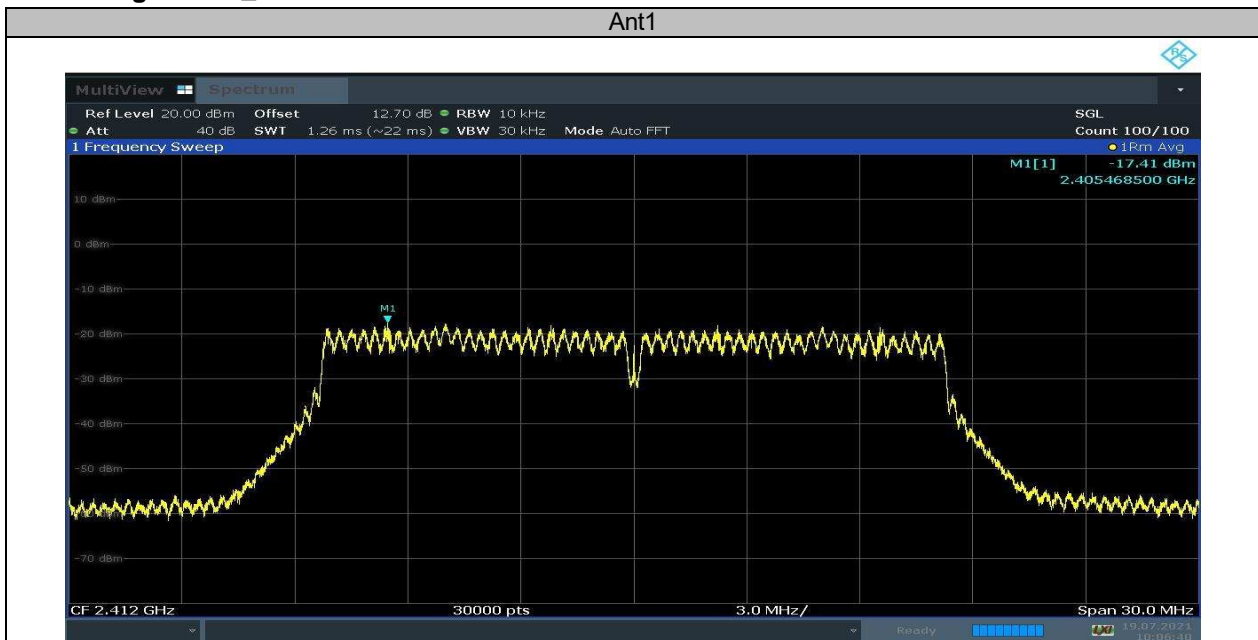
5.2.2 11b20SISO_2437



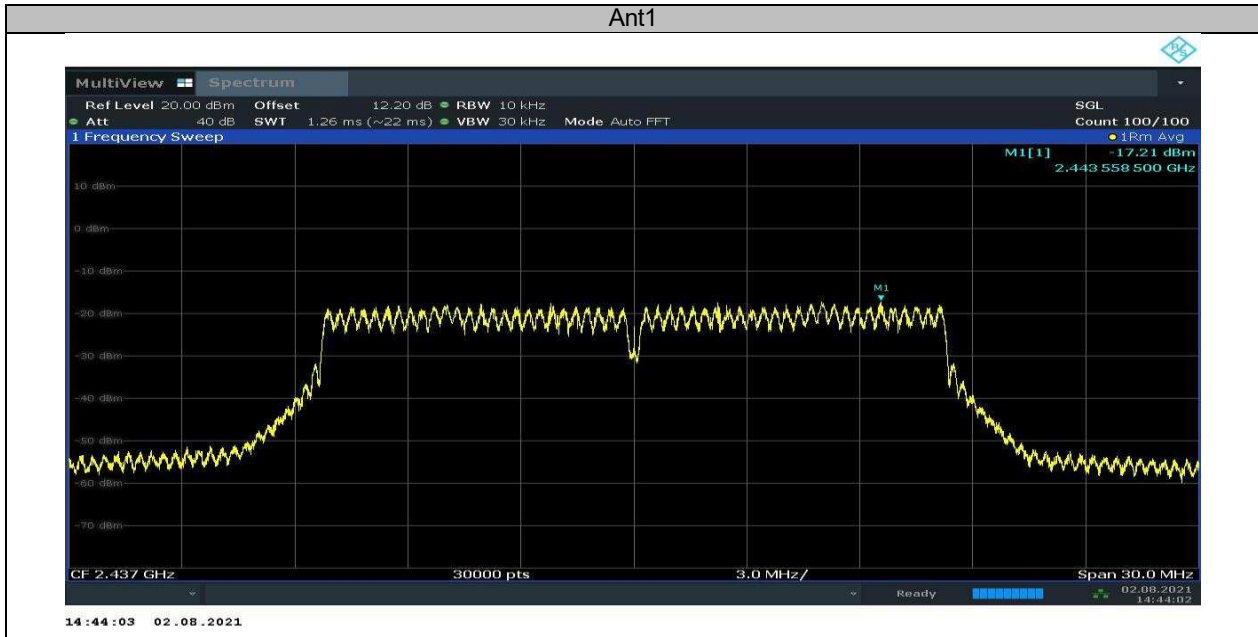
5.2.3 11b20SISO_2462



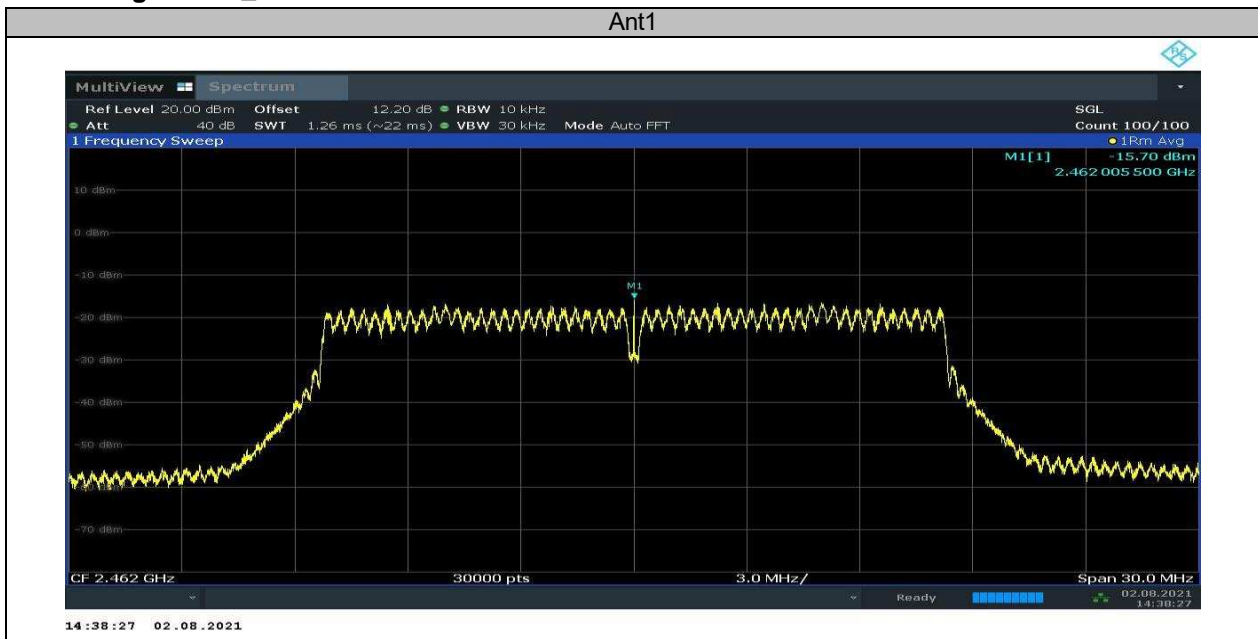
5.2.4 11g20SISO_2412



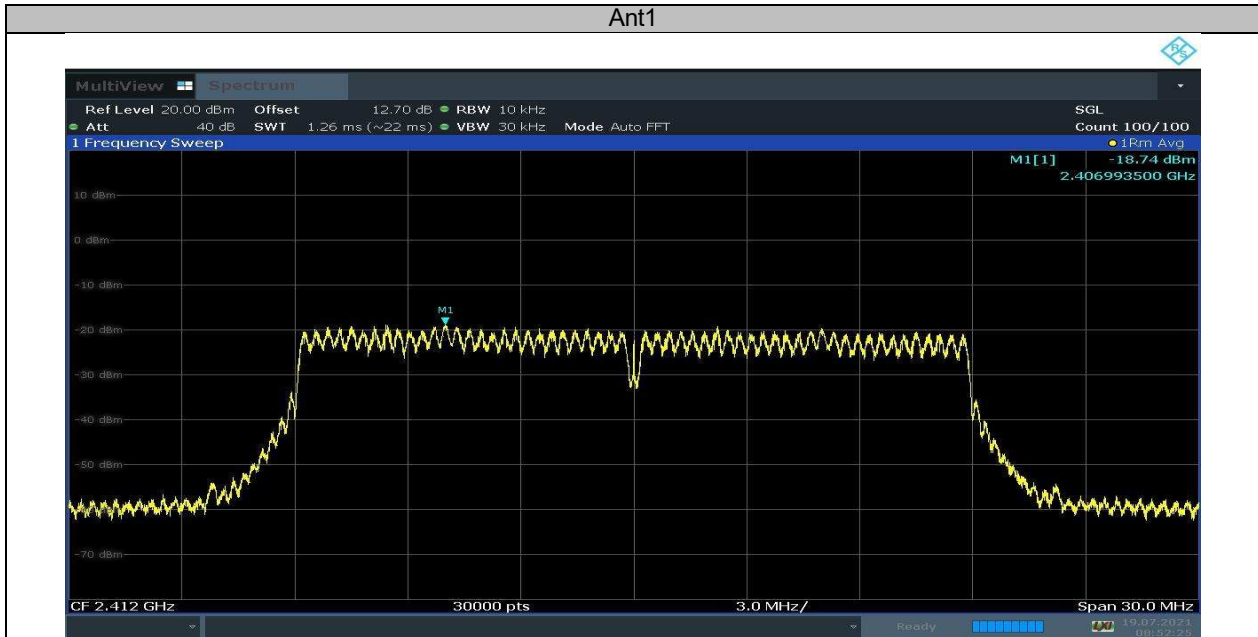
5.2.5 11g20SISO_2437



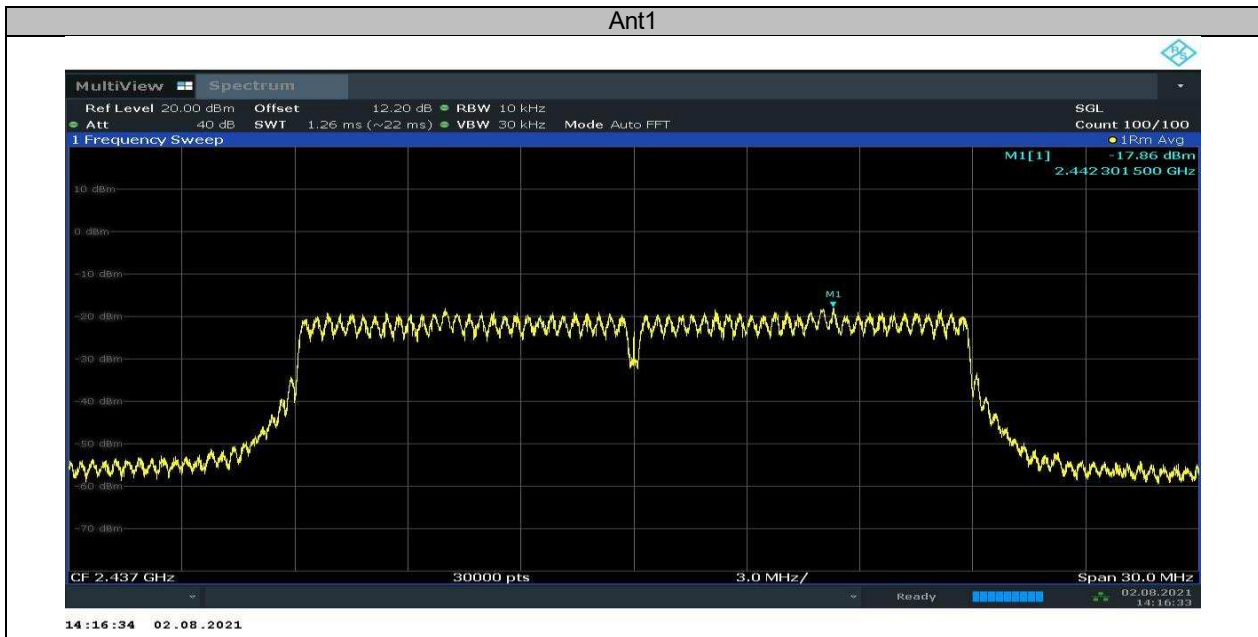
5.2.6 11g20SISO_2462



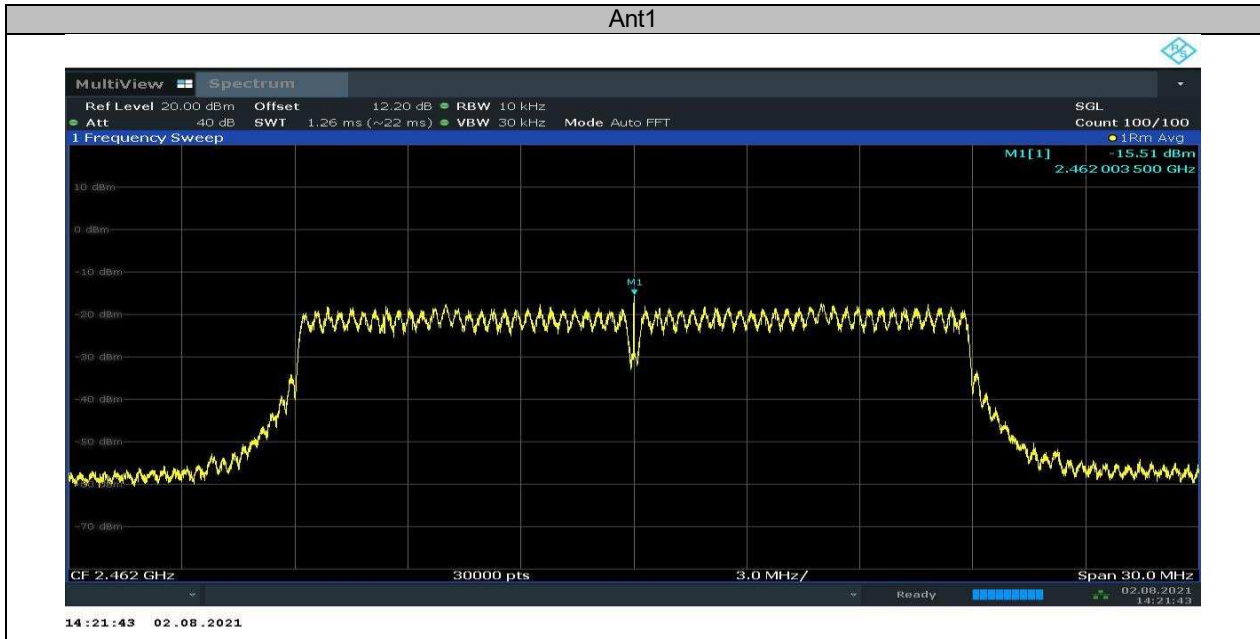
5.2.7 11n20SISO_2412



5.2.8 11n20SISO_2437



5.2.9 11n20SISO_2462





6 Appendix F: Band Edges Compliance

6.1 Test Results

6.1.1 11b20SISO

Test Mode	Channel	ChName	Antenna	RefLevel[dBm]	Result-left[dBm]	Result-right[dBm]	Limit[dBm]	Verdict
11B20 SISO	2412	Low	Ant1	5.06	-41.35	-53.3	-24.94	PASS
	2462	High	Ant1	5.7	-51.58	-49.73	-25.58	PASS

6.1.2 11g20SISO

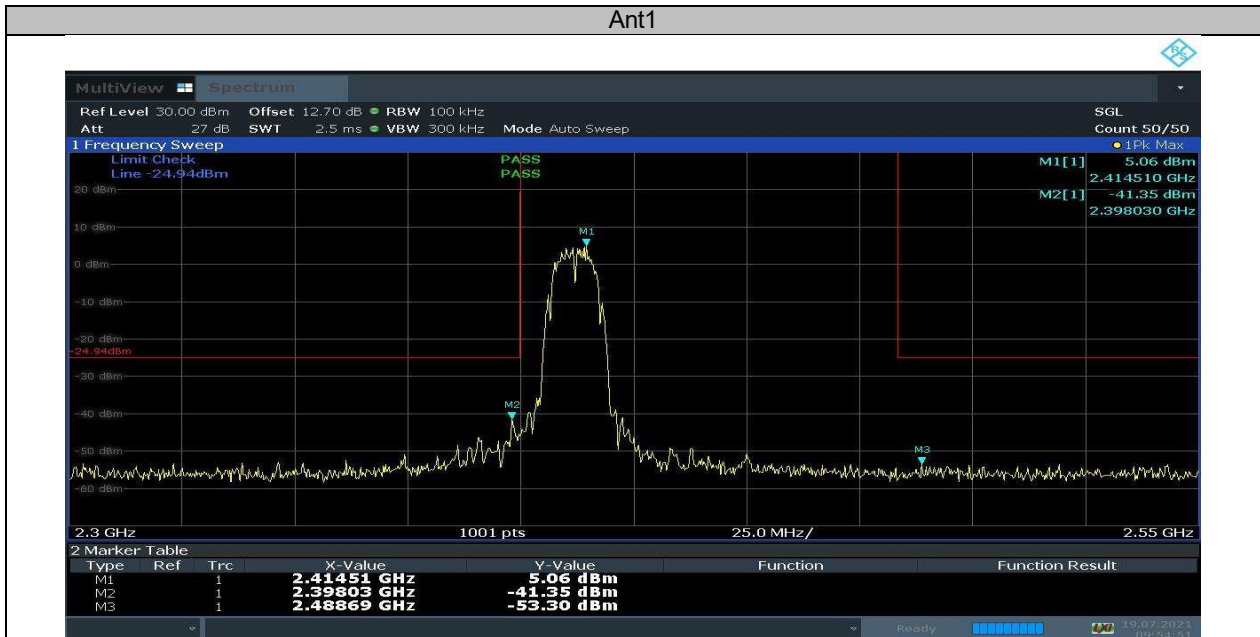
Test Mode	Channel	ChName	Antenna	RefLevel[dBm]	Result-left[dBm]	Result-right[dBm]	Limit[dBm]	Verdict
11G20 SISO	2412	Low	Ant1	1.1	-34.99	-53.41	-28.9	PASS
	2462	High	Ant1	1.22	-51.22	-43.92	-30.46	PASS

6.1.3 11n20SISO

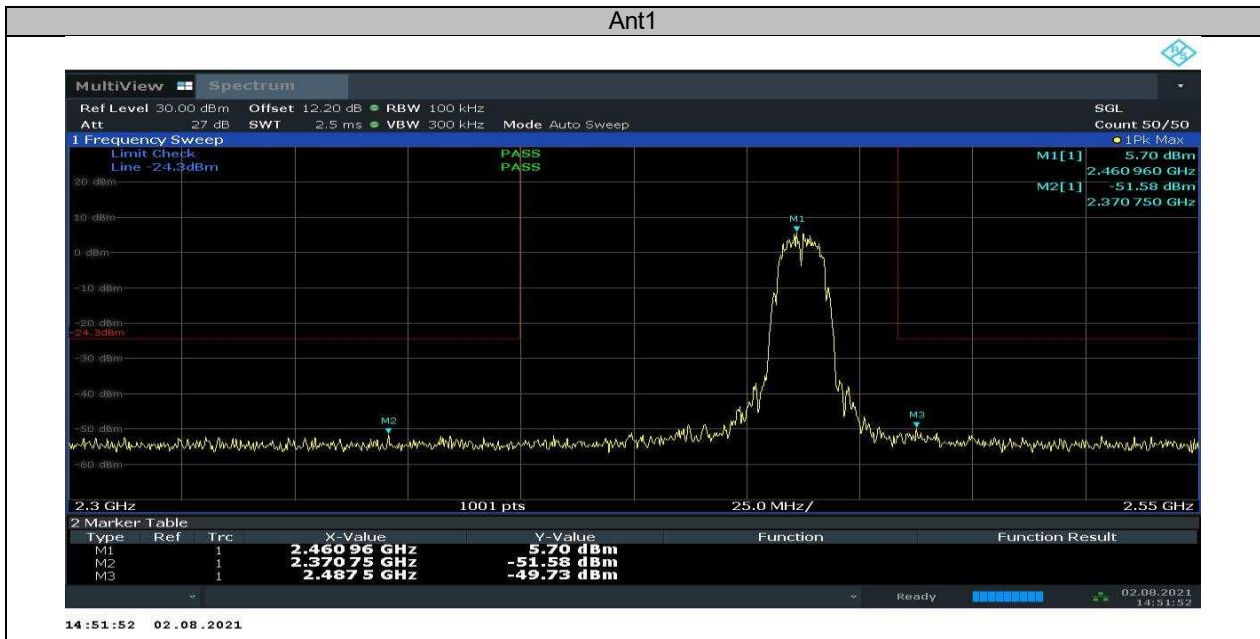
Test Mode	Channel	ChName	Antenna	RefLevel[dBm]	Result-left[dBm]	Result-right[dBm]	Limit[dBm]	Verdict
11N20SISO	2412	Low	Ant1	0.74	-36.02	-53.52	-29.26	PASS
	2462	High	Ant1	1.17	-51.86	-42.94	-31.08	PASS

6.2 Test Graphs

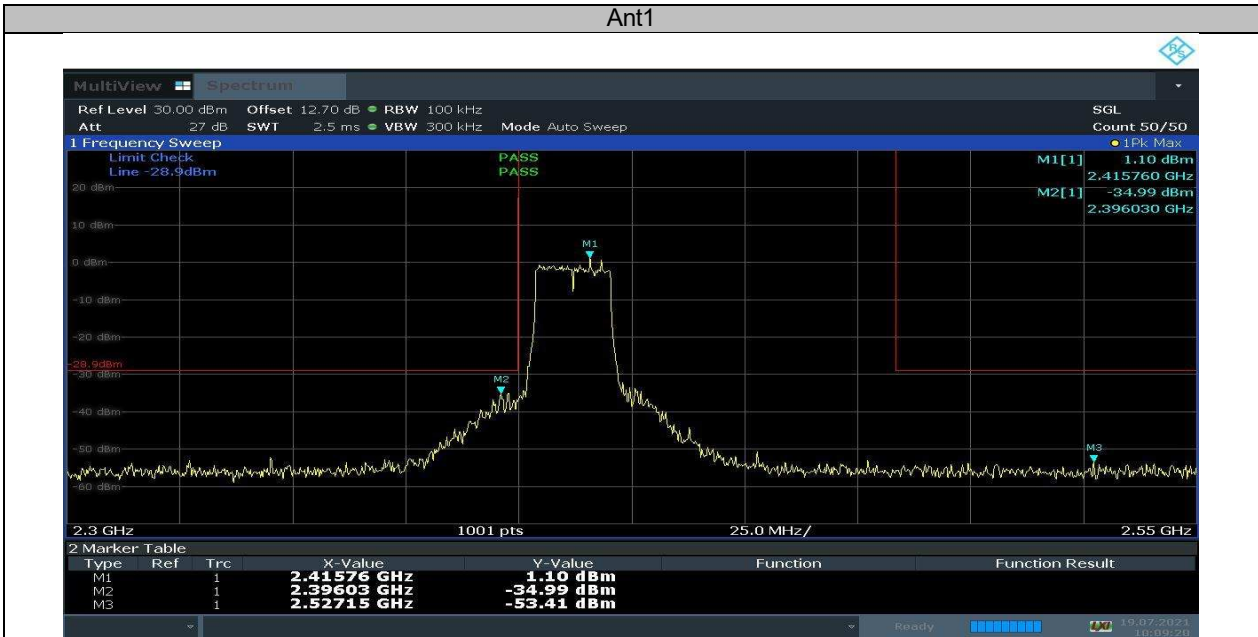
6.2.1 11b20SISO_2412



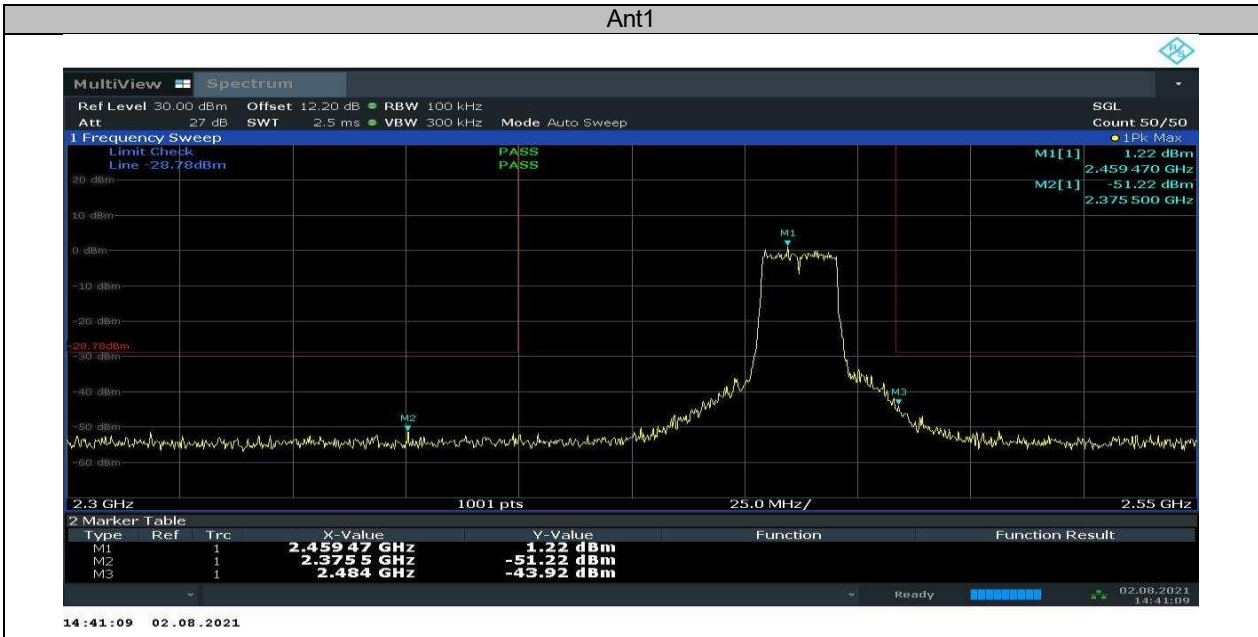
6.2.2 11b20SISO_2462



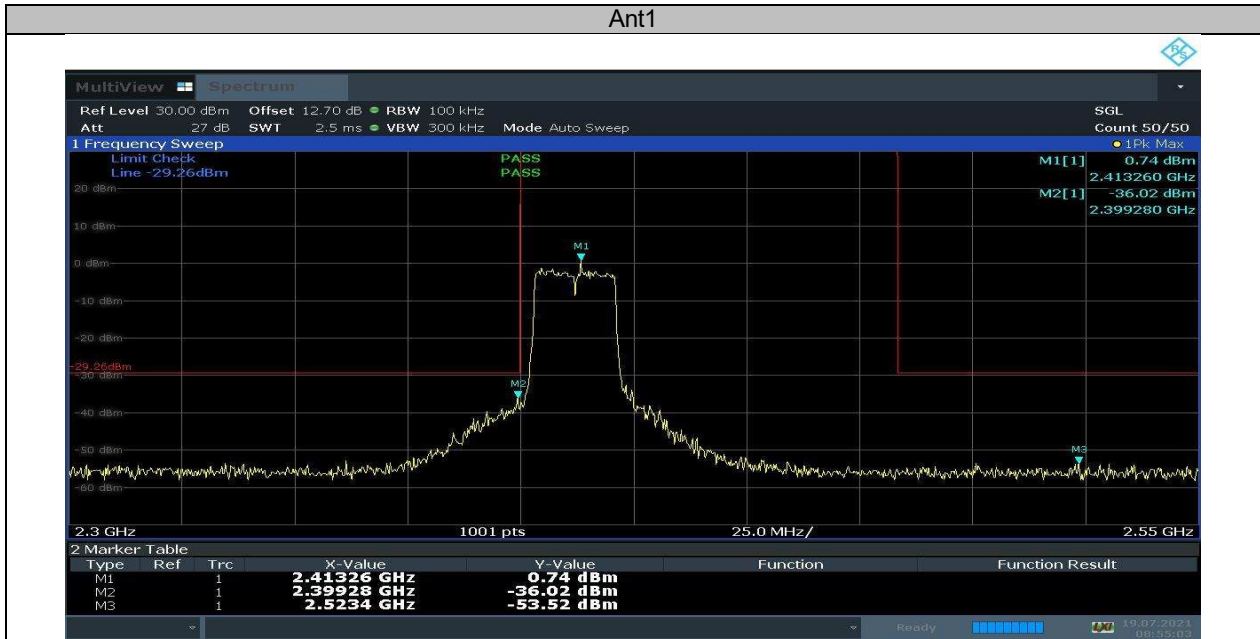
6.2.3 11g20SISO_2412



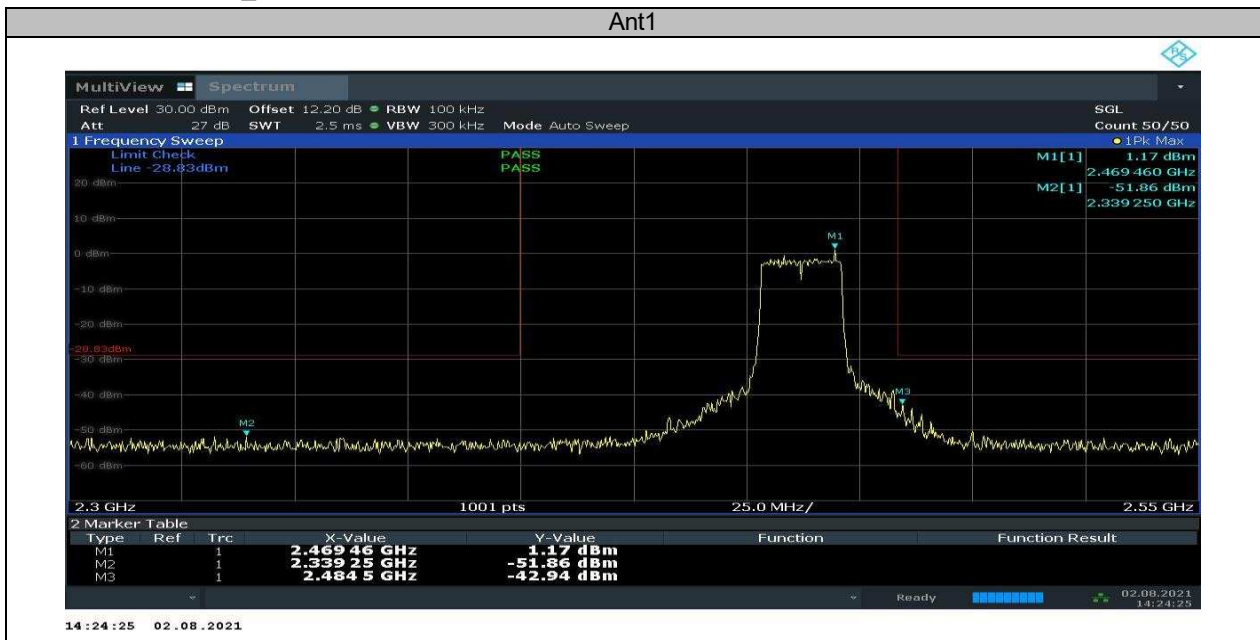
6.2.4 11g20SISO_2462



6.2.5 11n20SISO_2412



6.2.6 11n20SISO_2462





7 Appendix G: Unwanted Emissions into Non-Restricted Frequency Bands

7.1 Test Results

7.1.1 11b20SISO

Test Mode	Channel	Antenna	RefLevel[dBm/100 kHz]	Result[dBm]	Limit[dBm/100kHz]	Verdict
11B20SISO	2412	Ant1	5.58	<limit	-24.42	PASS
	2437	Ant1	6.65	<limit	-23.35	PASS
	2462	Ant1	5.91	<limit	-25.22	PASS

7.1.2 11g20SISO

Test Mode	Channel	Antenna	RefLevel[dBm/100 kHz]	Result[dBm]	Limit[dBm/100kHz]	Verdict
11G20SISO	2412	Ant1	2.6	<limit	-27.4	PASS
	2437	Ant1	0.79	<limit	-29.21	PASS
	2462	Ant1	2.64	<limit	-28.68	PASS

7.1.3 11n20SISO

Test Mode	Channel	Antenna	RefLevel[dBm/100 kHz]	Result[dBm]	Limit[dBm/100kHz]	Verdict
11N20SISO	2412	Ant1	1.59	<limit	-28.41	PASS
	2437	Ant1	1.7	<limit	-29.1	PASS
	2462	Ant1	2.08	<limit	-28.53	PASS

7.2 Test Graphs

7.2.1 11b20SISO_2412



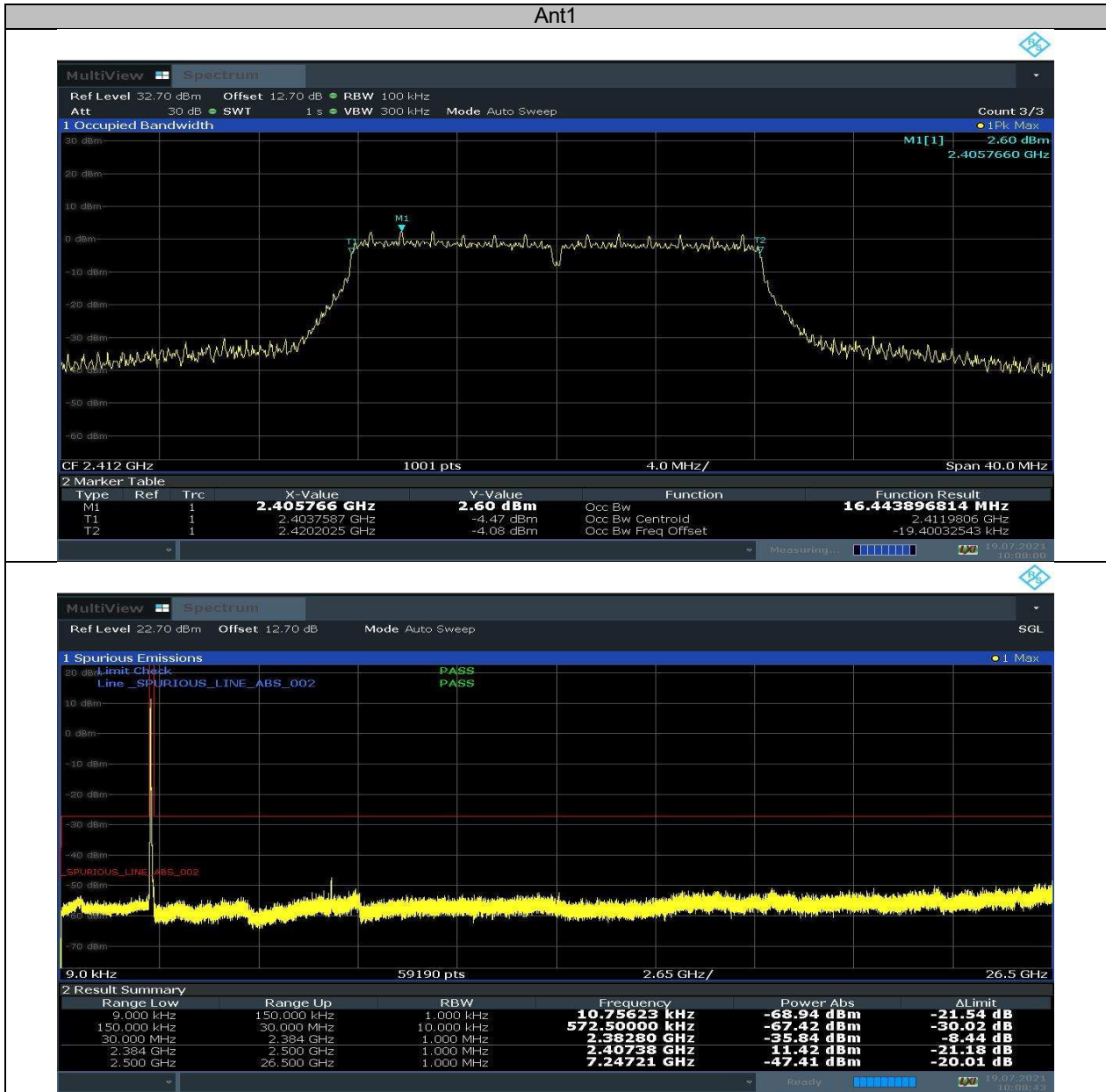
7.2.2 11b20SISO_2437



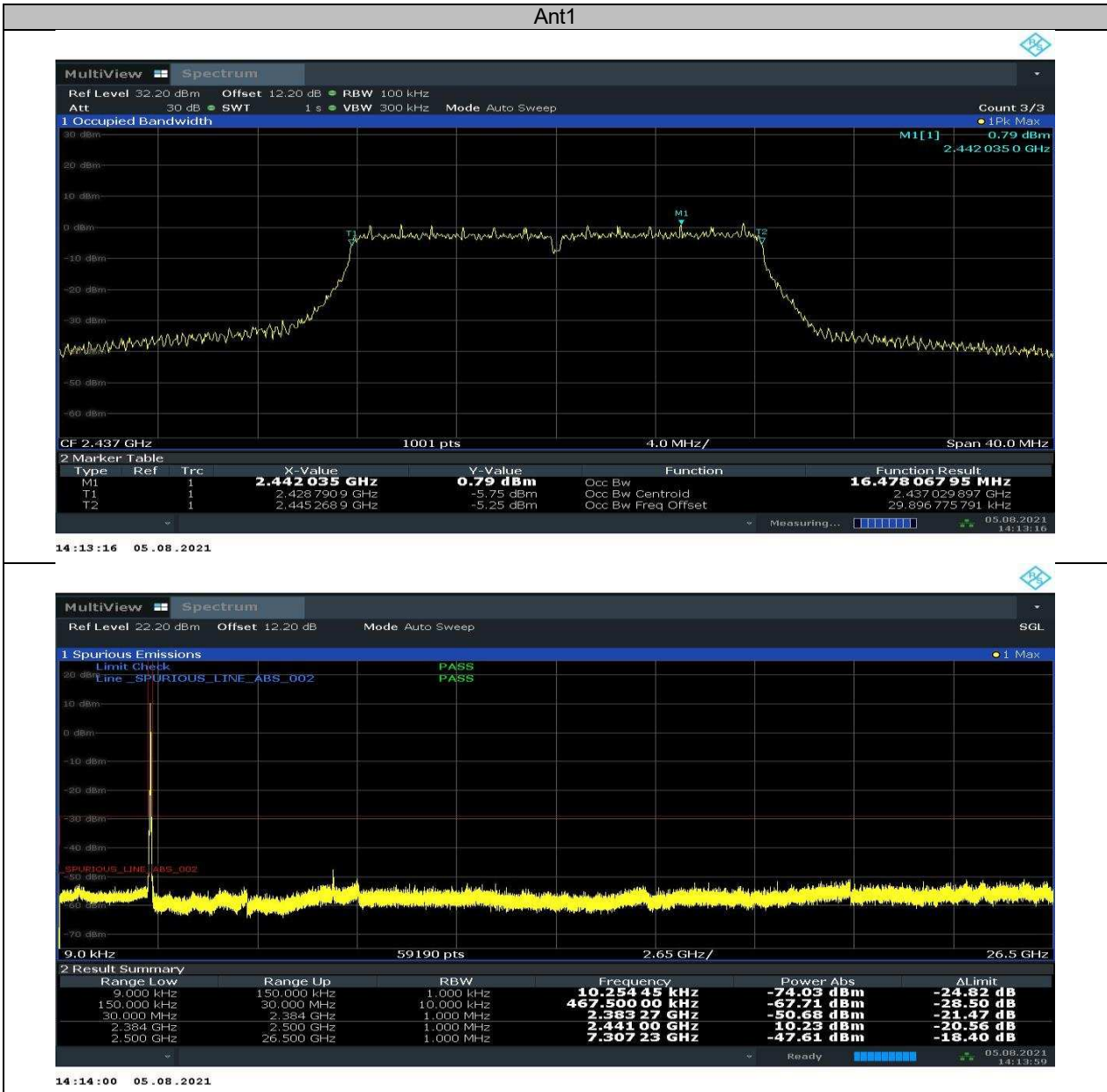
7.2.3 11b20SISO_2462



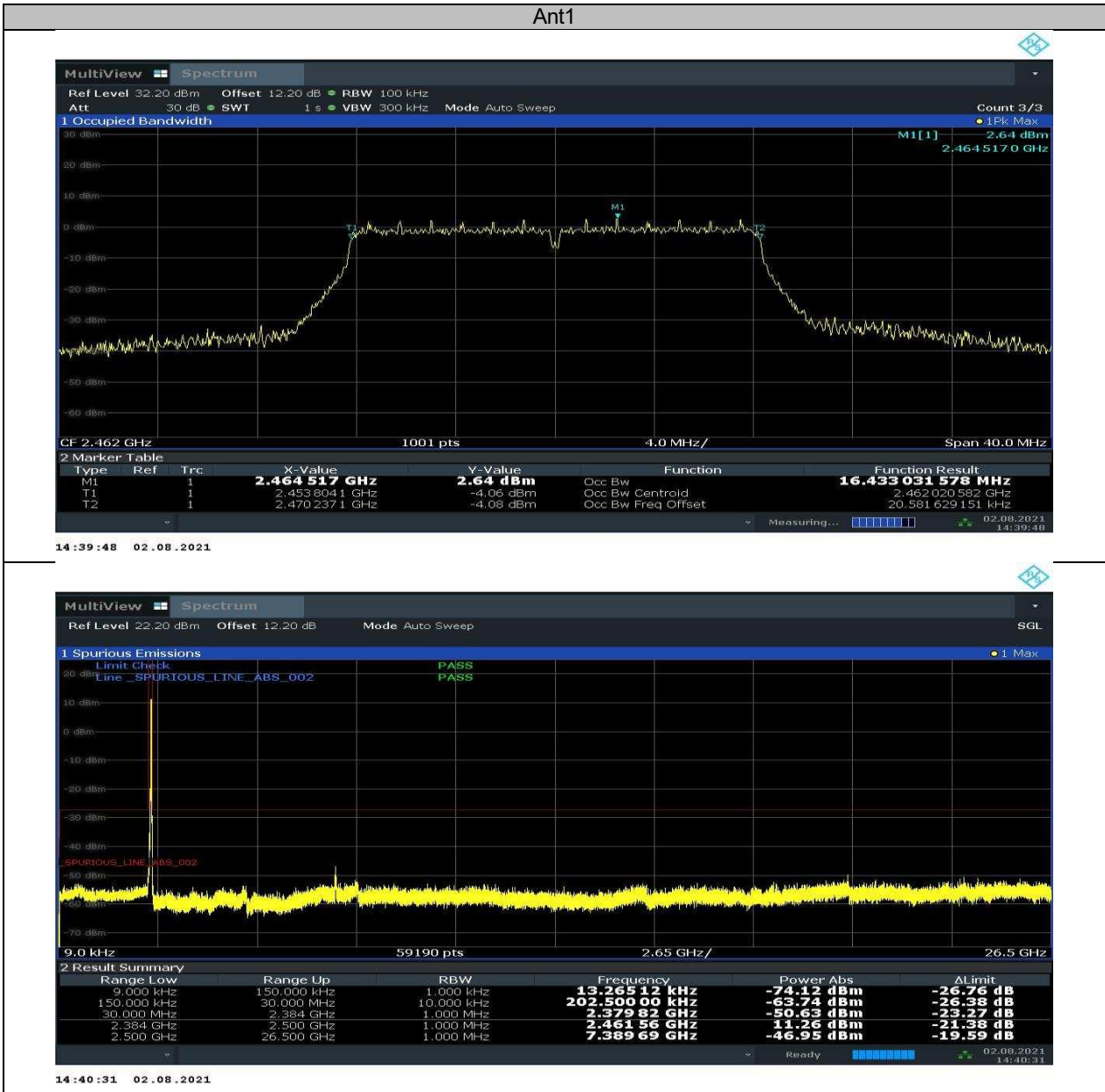
7.2.4 11g20SISO_2412



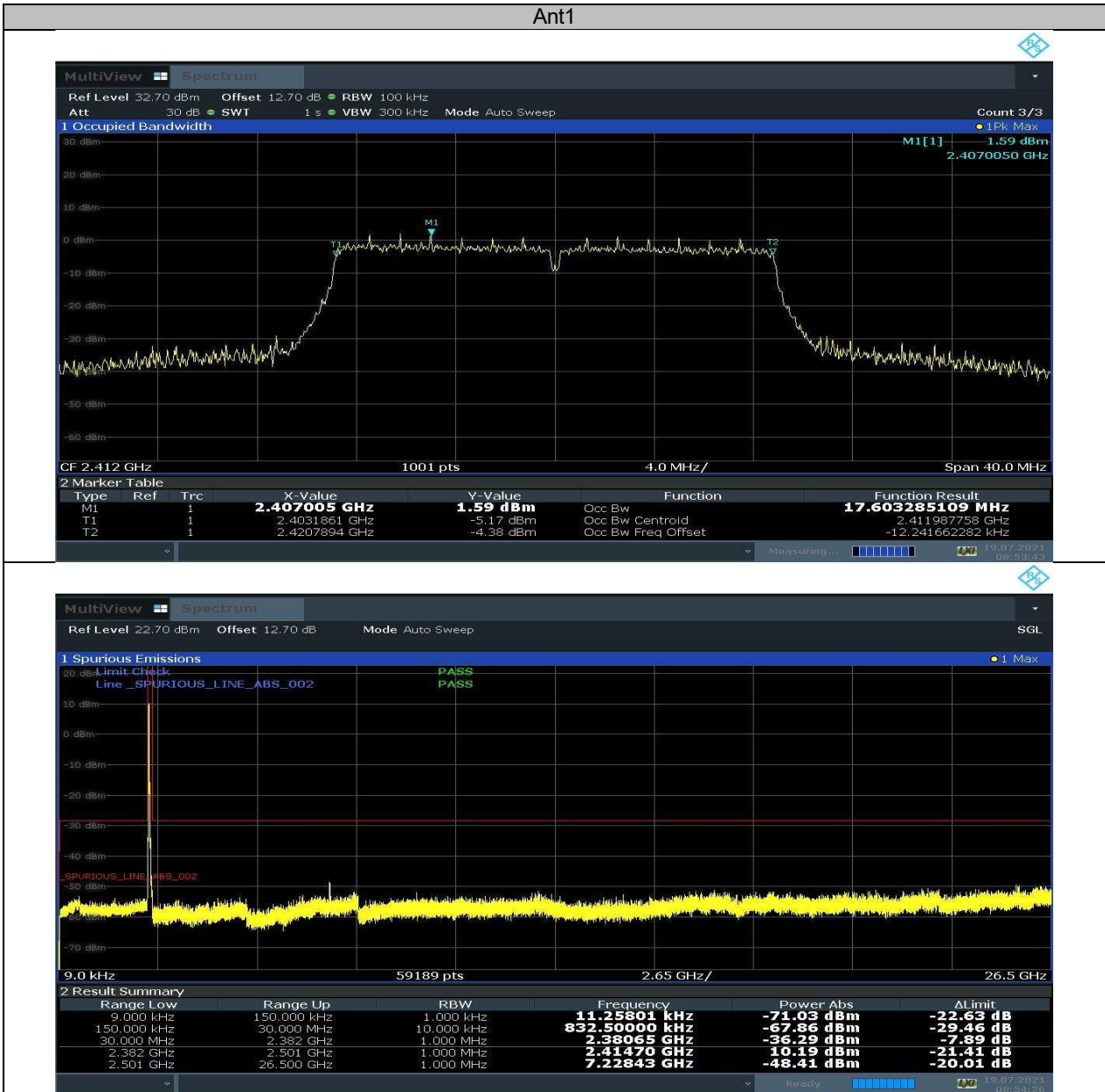
7.2.5 11g20SISO_2437



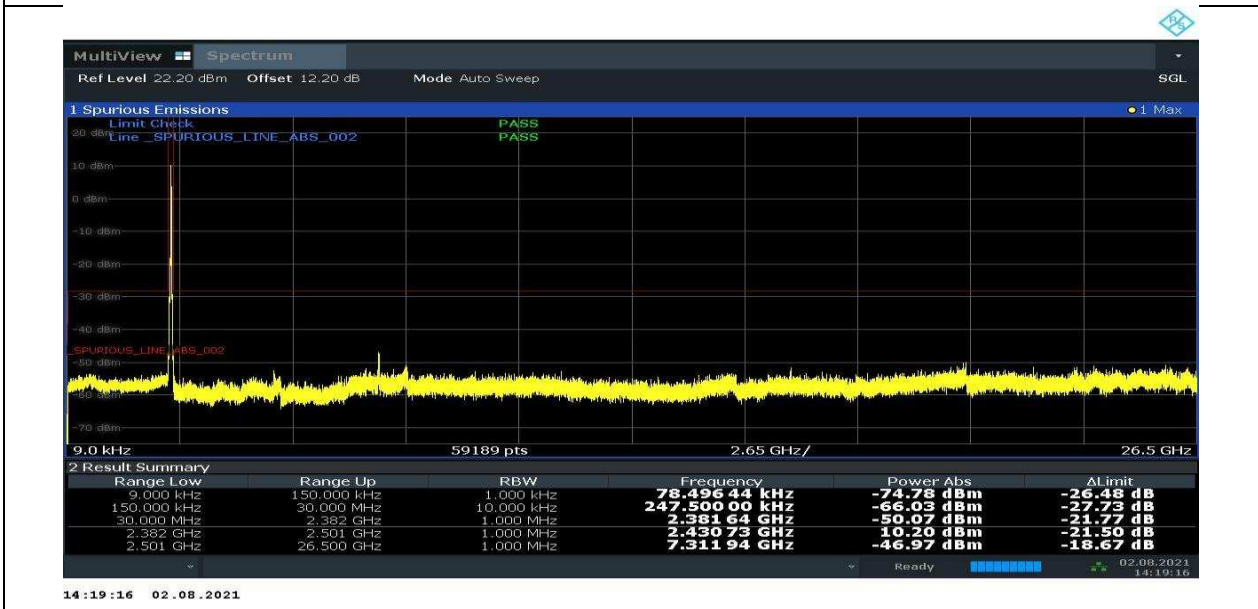
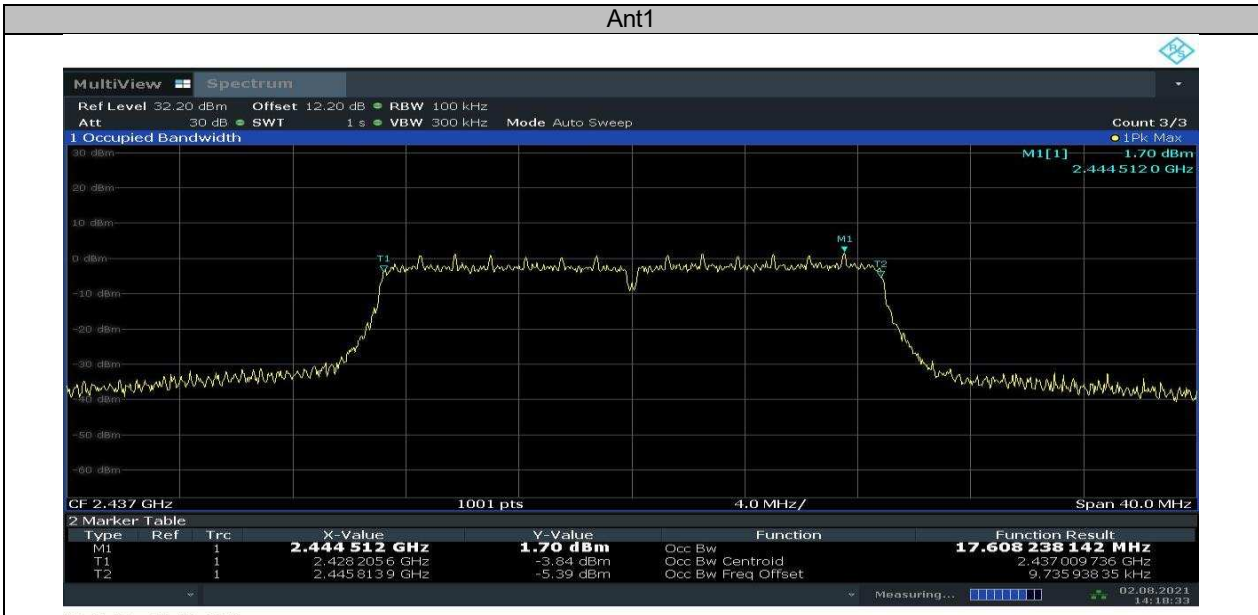
7.2.6 11g20SISO_2462



7.2.7 11n20SISO_2412



7.2.8 11n20SISO_2437



7.2.9 11n20SISO_2462



END