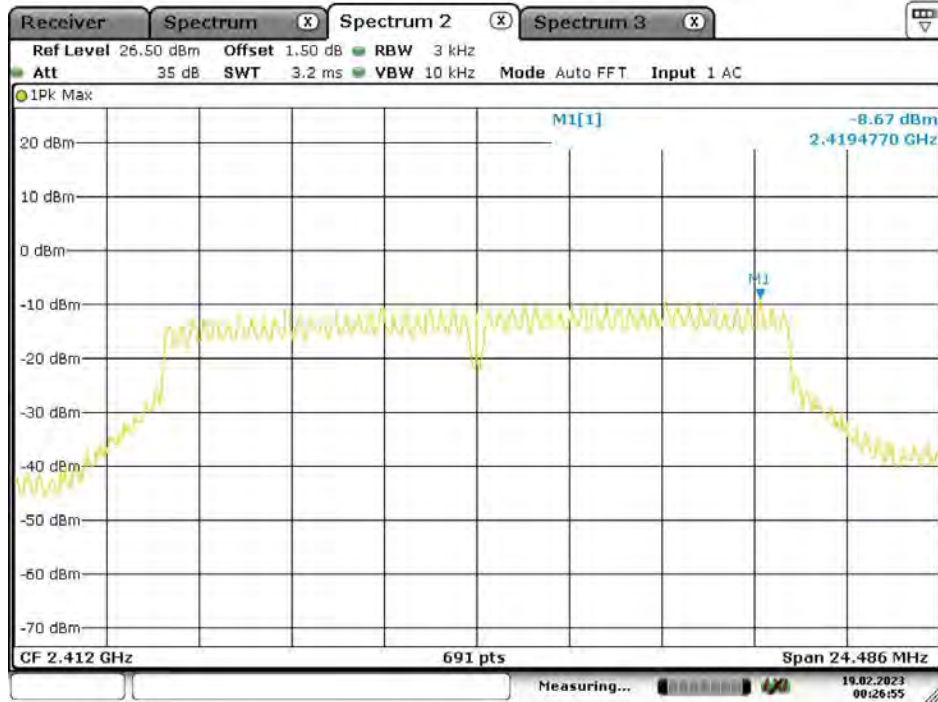




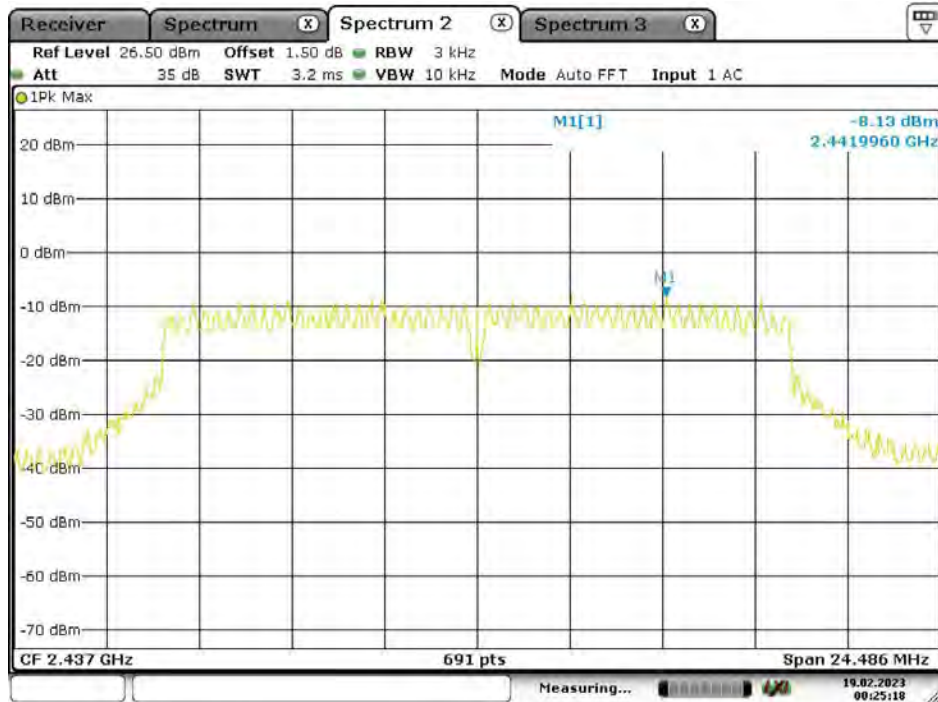
BUREAU VERITAS

Test Report No.: PSU-QSU2308280414RF06



Date: 19.FEB.2023 00:26:54

11G_Ant0_2437



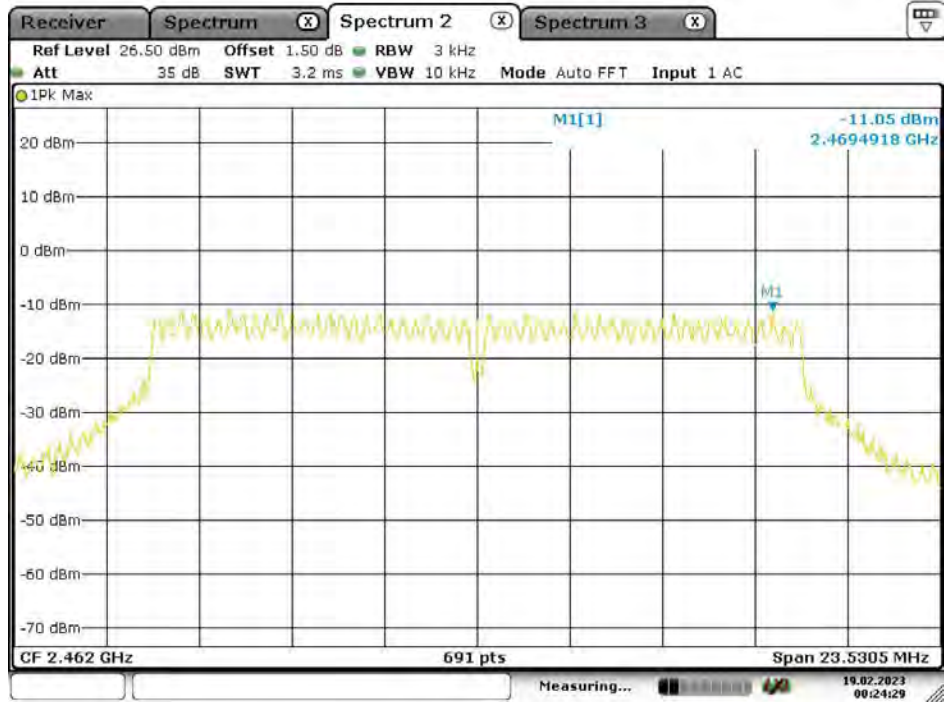
Date: 19.FEB.2023 00:25:18

11G_Ant0_2462

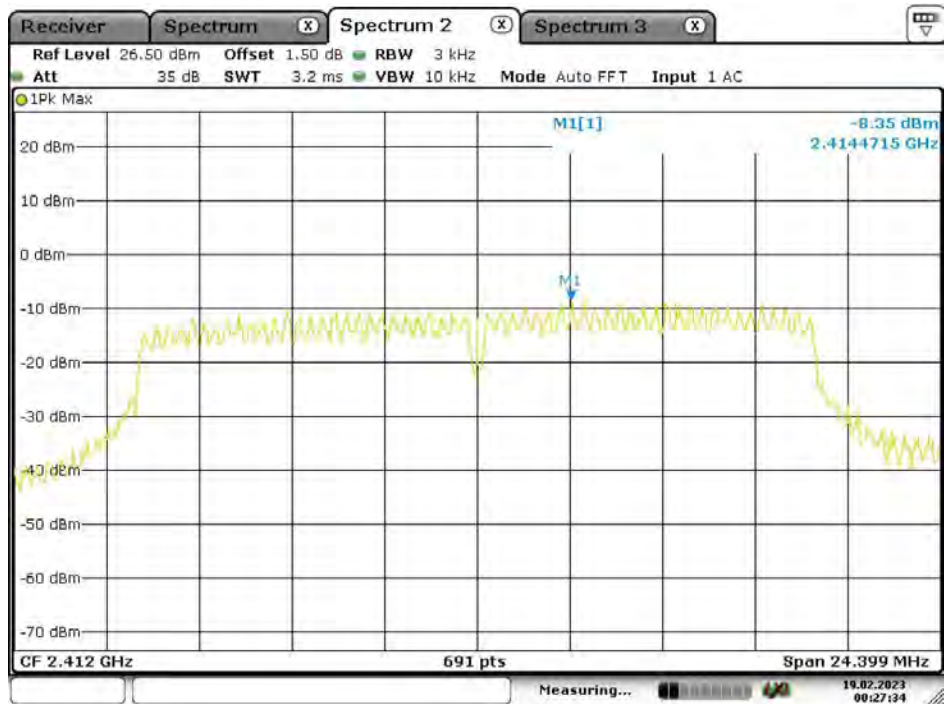


BUREAU VERITAS

Test Report No.: PSU-QSU2308280414RF06



11N20_Ant0_2412

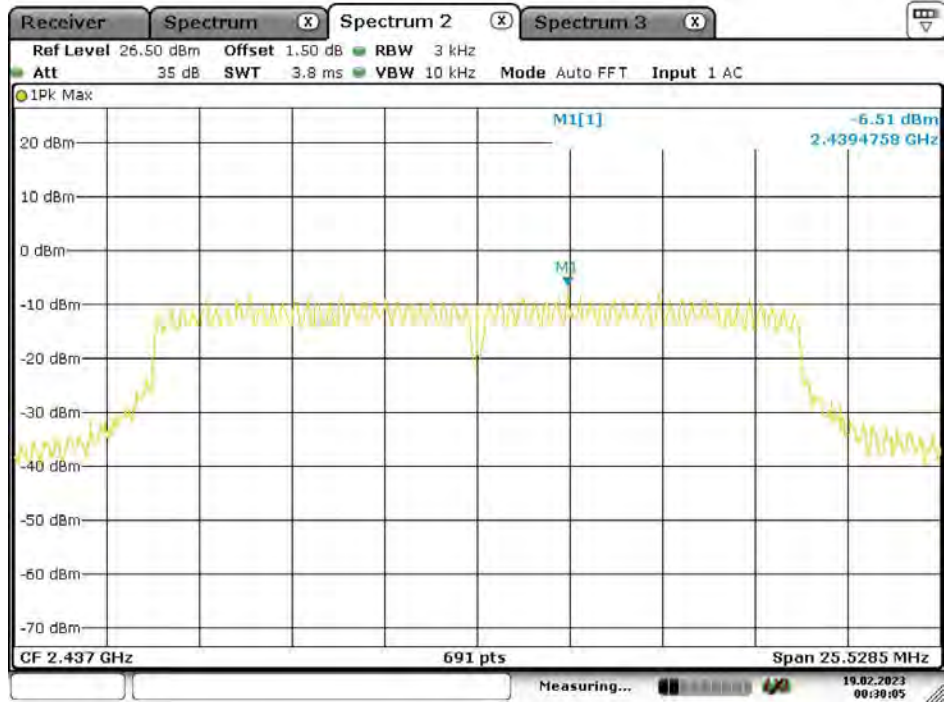


11N20_Ant0_2437

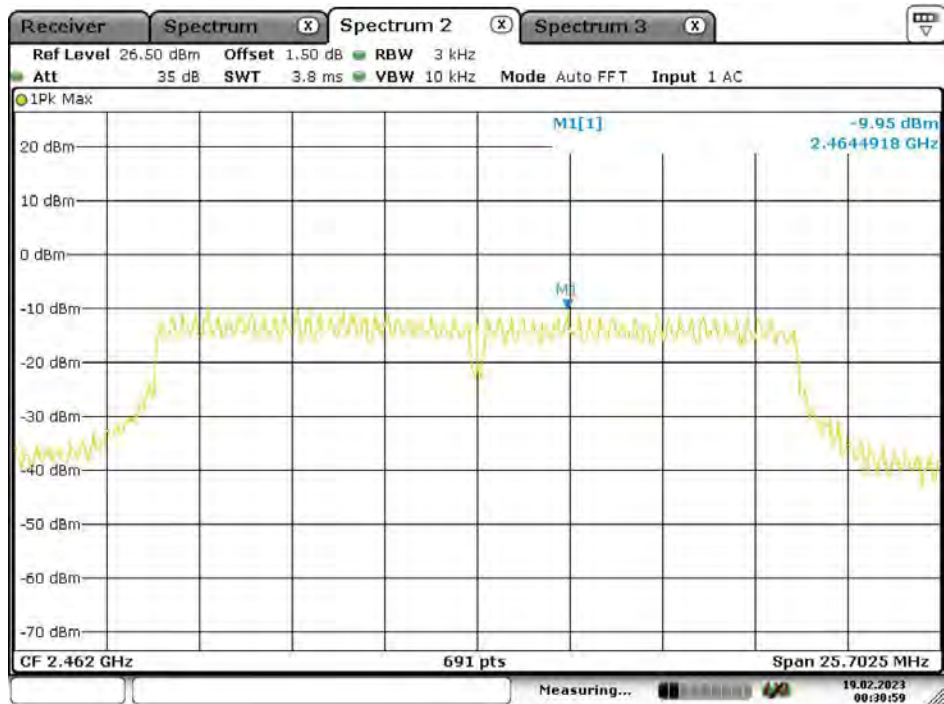


BUREAU
VERITAS

Test Report No.: PSU-QSU2308280414RF06



11N20_Ant0_2462





BAND EDGE MEASUREMENTS

TEST RESULT

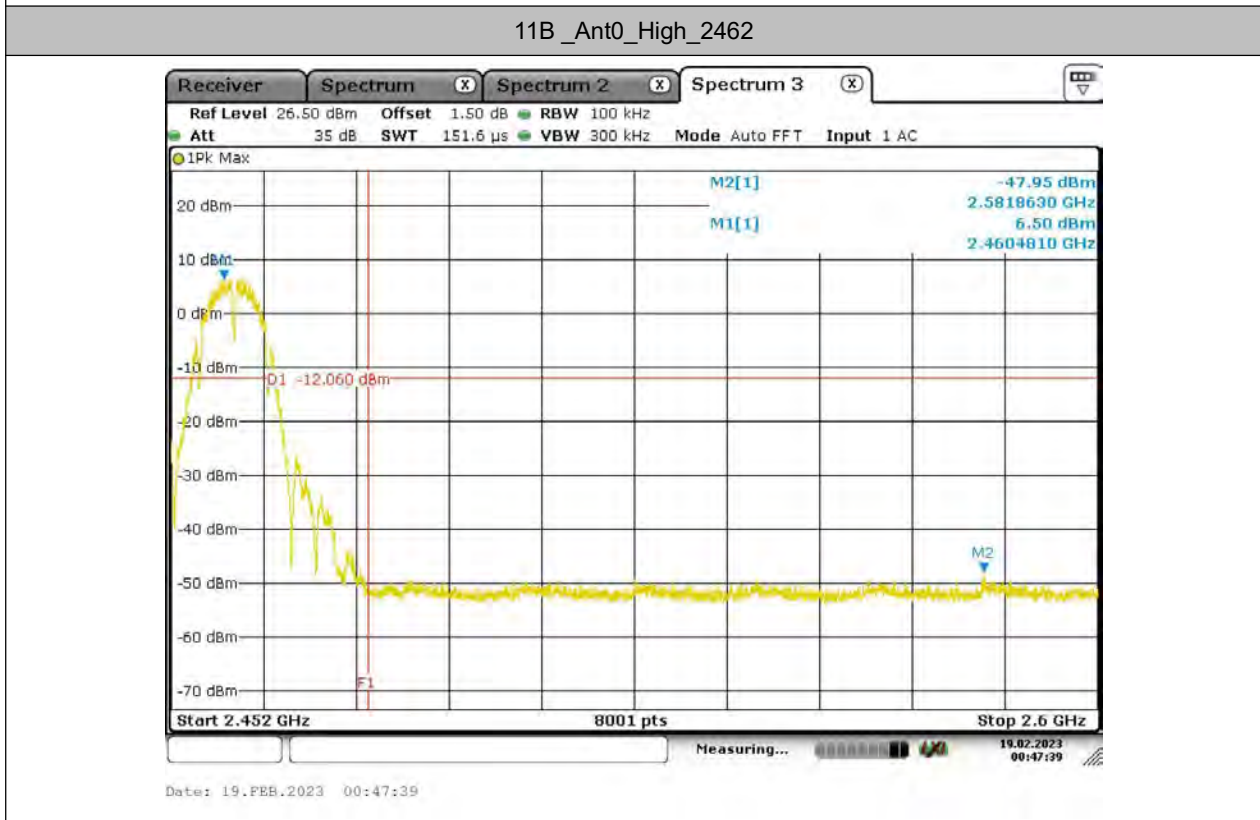
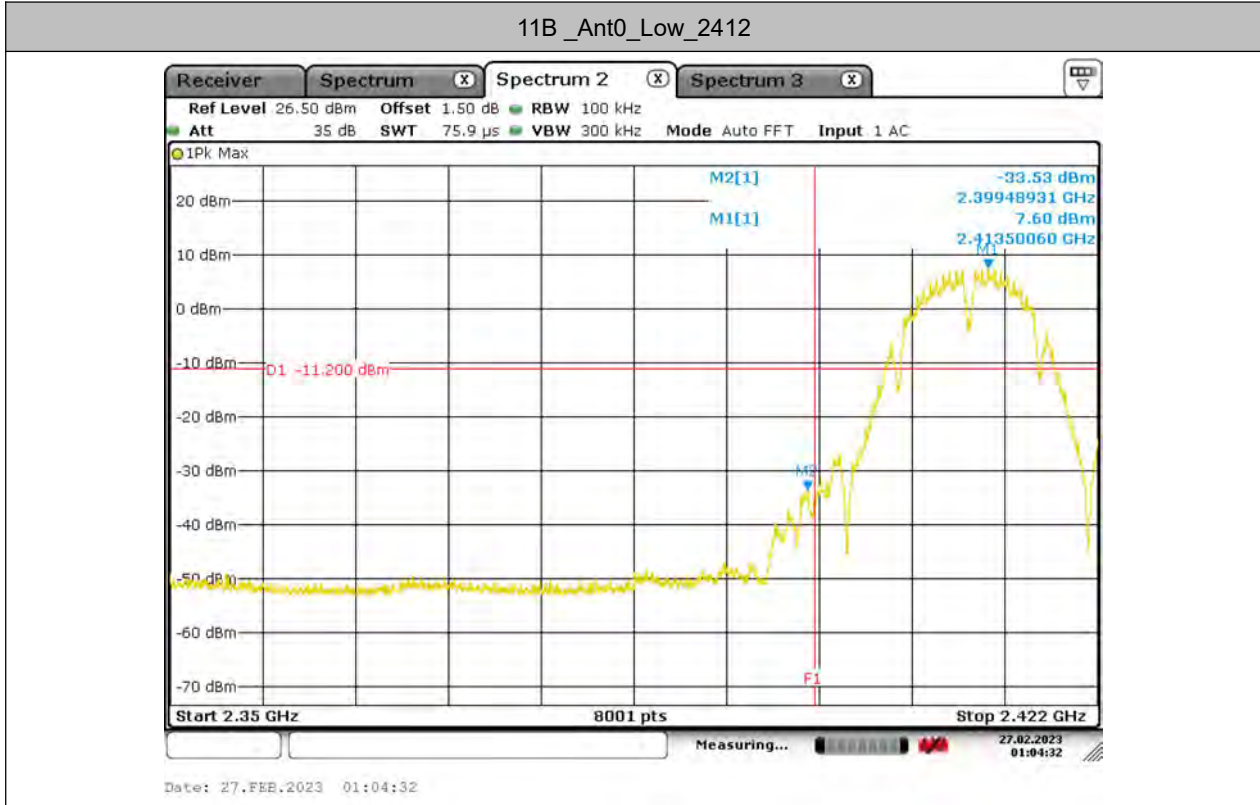
TestMode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant0	Low	2412	8.80	-33.53	≤-11.20	PASS
	Ant0	High	2462	7.94	-47.95	≤-12.06	PASS
11G	Ant0	Low	2412	5.58	-26.38	≤-14.42	PASS
	Ant0	High	2462	4.70	-48.77	≤-15.30	PASS
11N20	Ant0	Low	2412	6.31	-23.46	≤-13.69	PASS
	Ant0	High	2462	5.37	-48.83	≤-14.63	PASS



BUREAU VERITAS

Test Report No.: PSU-QSU2308280414RF06

TEST GRAPHS

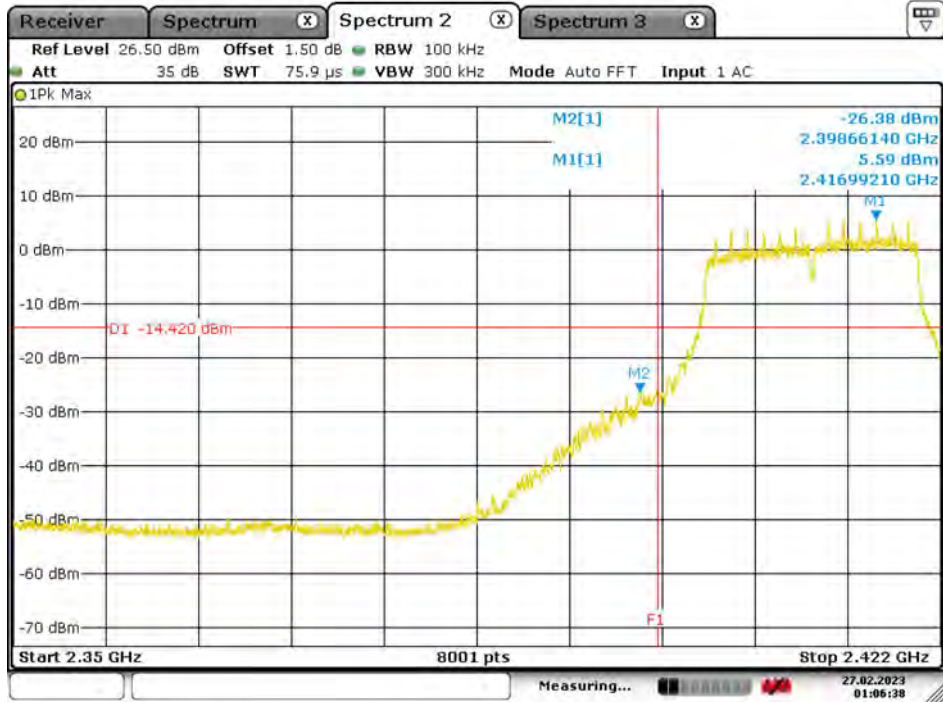




BUREAU VERITAS

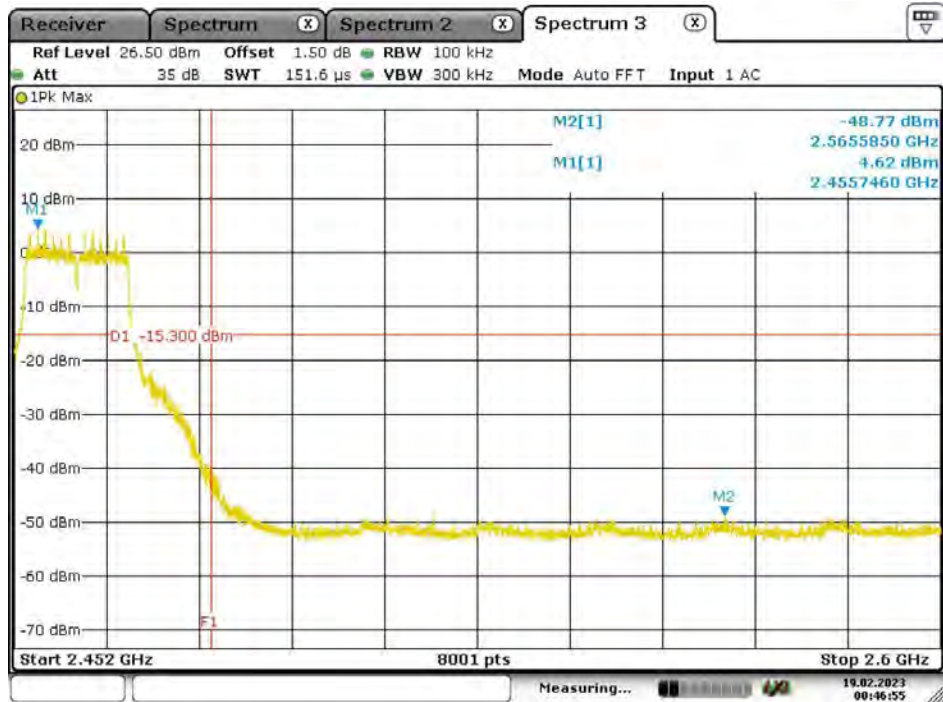
Test Report No.: PSU-QSU2308280414RF06

11G_Ant0_Low_2412



Date: 27.FEB.2023 01:06:38

11G_Ant0_High_2462



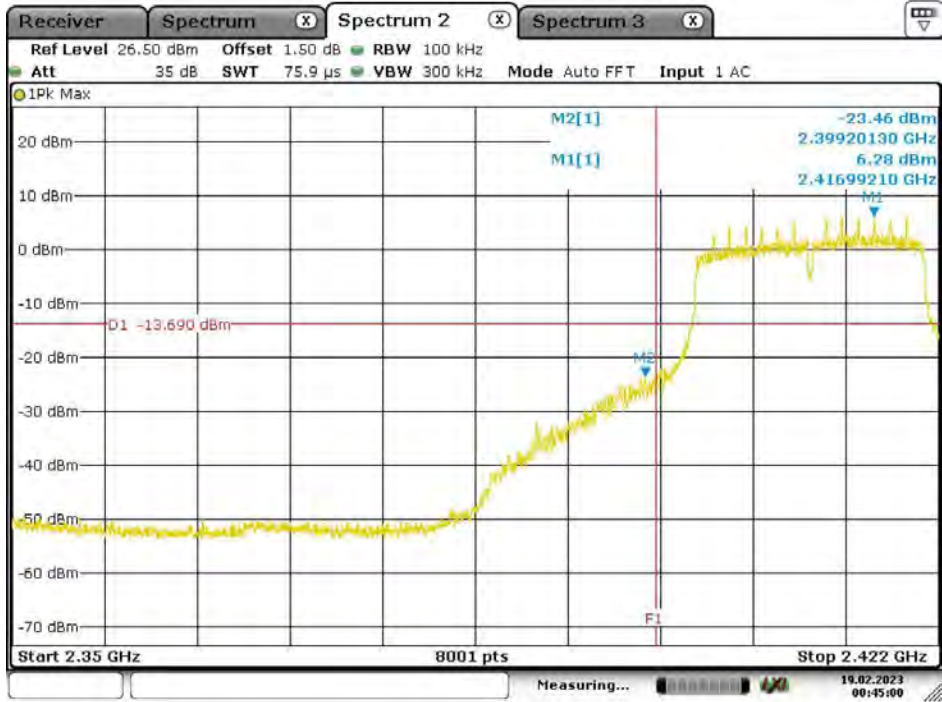
Date: 19.FEB.2023 00:46:55



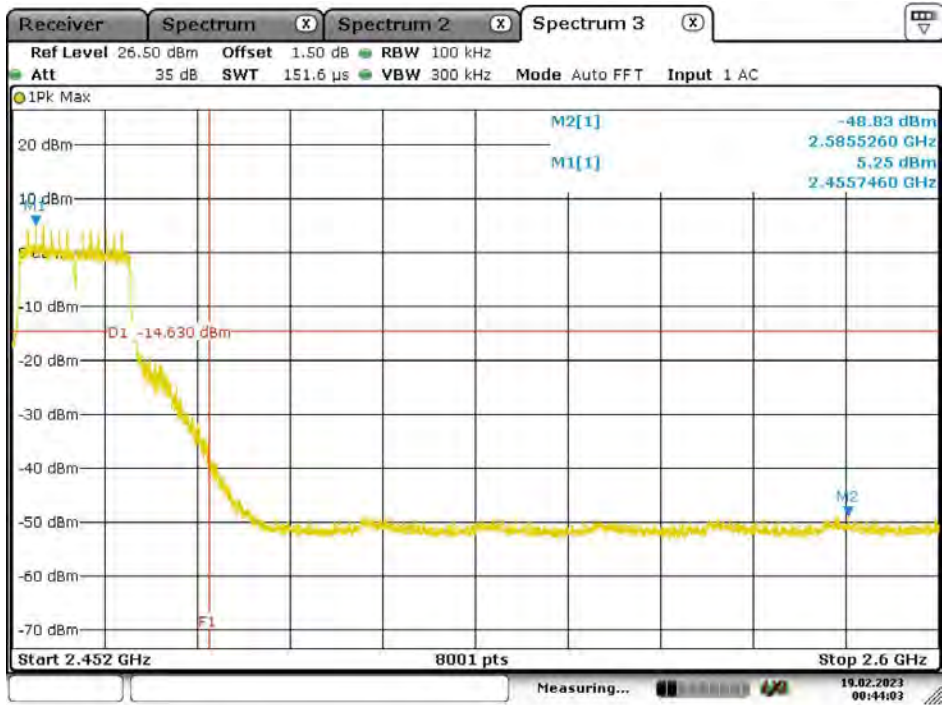
BUREAU
VERITAS

Test Report No.: PSU-QSU2308280414RF06

11N20_Ant0_Low_2412



11N20_Ant0_High_2462





CONDUCTED SPURIOUS EMISSION

TEST RESULT

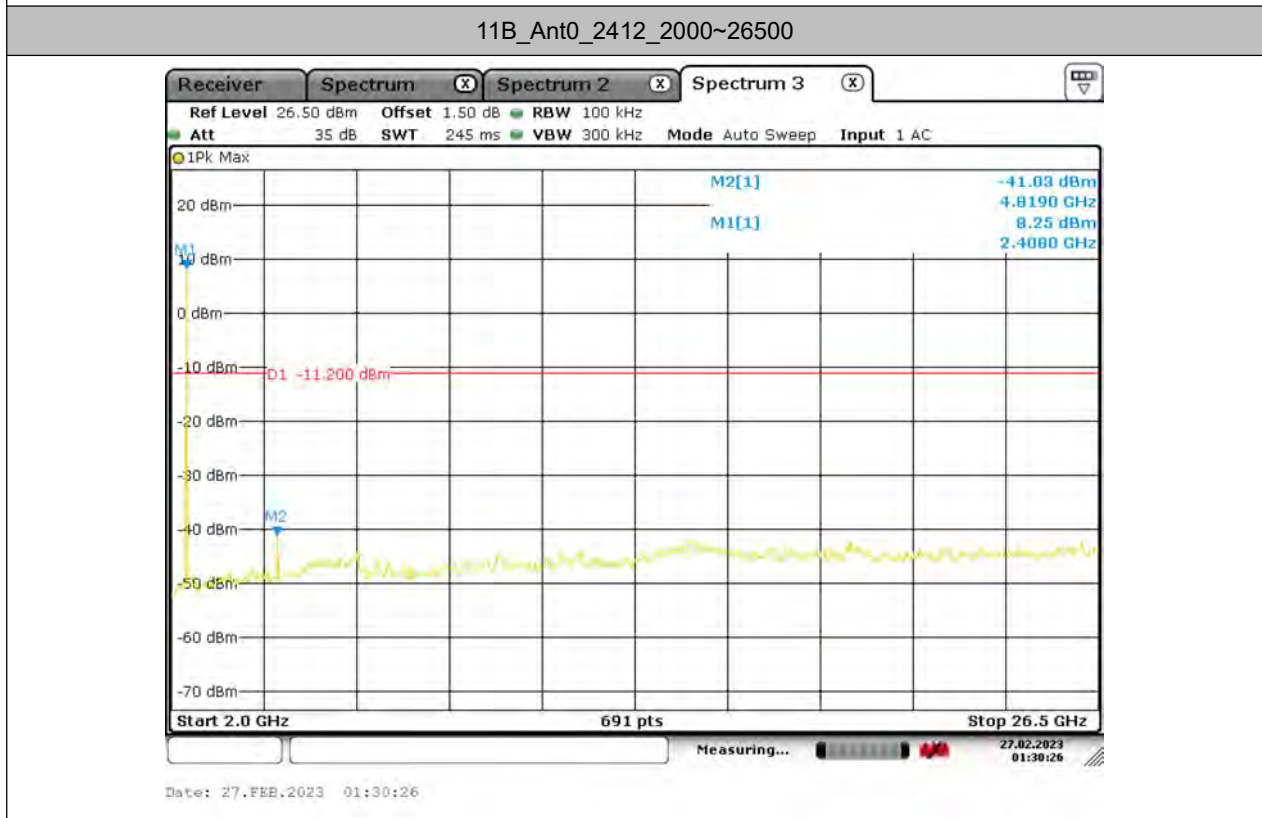
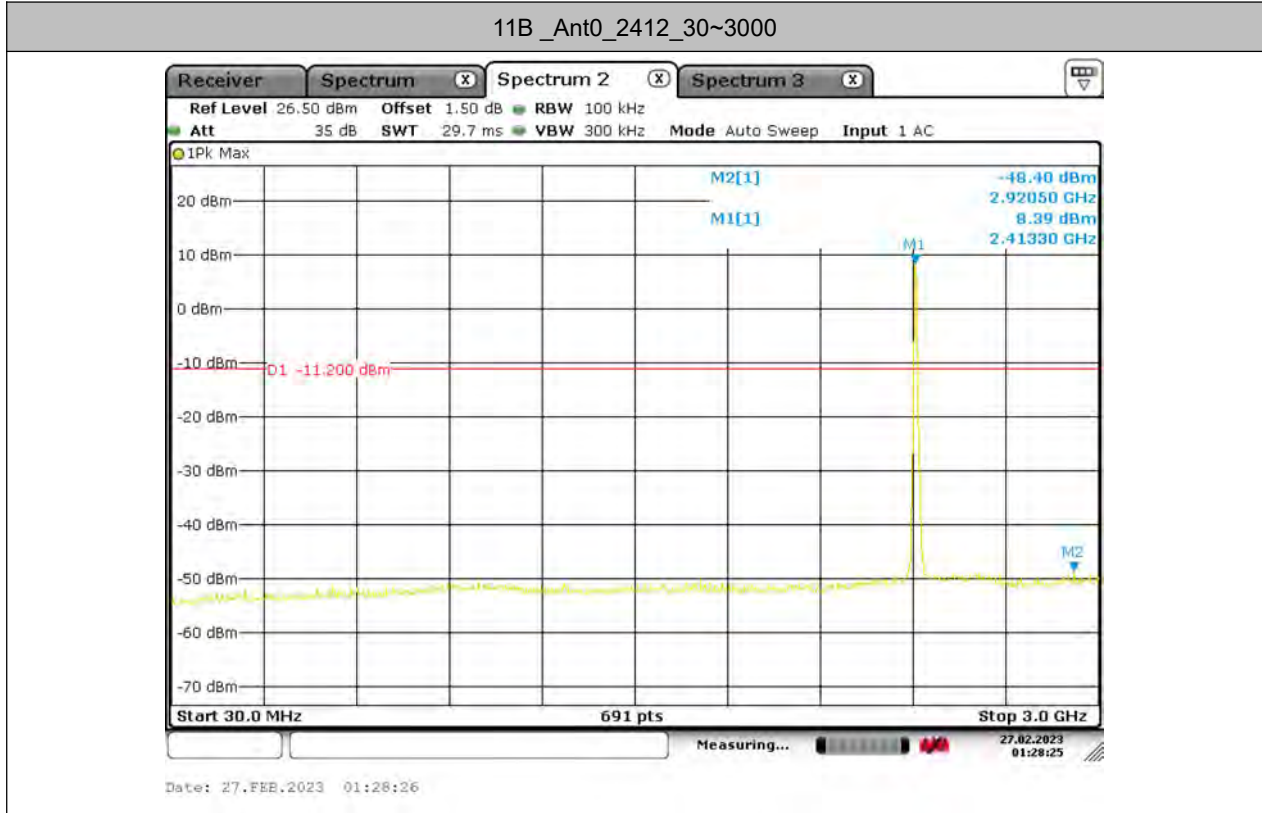
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant0	2412	30~3000	8.80	-48.40	≤-11.20	PASS
			2000~26500	8.80	-41.03	≤-11.20	PASS
	Ant0	2437	30~3000	9.32	-48.99	≤-10.68	PASS
			2000~26500	9.32	-41.90	≤-10.68	PASS
	Ant0	2462	30~3000	7.94	-48.57	≤-12.06	PASS
			2000~26500	7.94	-41.79	≤-12.06	PASS
11G	Ant0	2412	30~3000	5.58	-48.38	≤-14.42	PASS
			2000~26500	5.58	-41.59	≤-14.42	PASS
	Ant0	2437	30~3000	6.61	-49.02	≤-13.39	PASS
			2000~26500	6.61	-41.53	≤-13.39	PASS
	Ant0	2462	30~3000	4.70	-48.97	≤-15.30	PASS
			2000~26500	4.70	-42.11	≤-15.30	PASS
11N20	Ant0	2412	30~3000	6.31	-48.43	≤-13.69	PASS
			2000~26500	6.31	-42.07	≤-13.69	PASS
	Ant0	2437	30~3000	7.15	-49.09	≤-12.85	PASS
			2000~26500	7.15	-42.12	≤-12.85	PASS
	Ant0	2462	30~3000	5.37	-48.97	≤-14.63	PASS
			2000~26500	5.37	-42.06	≤-14.63	PASS



BUREAU
VERITAS

Test Report No.: PSU-QSU2308280414RF06

TEST GRAPHS

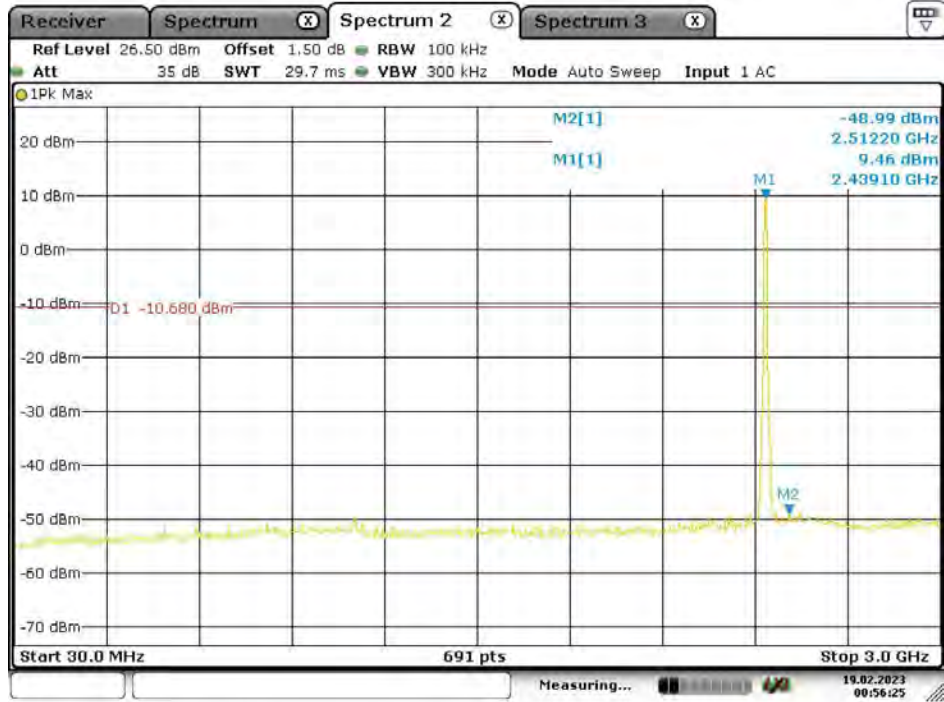




BUREAU VERITAS

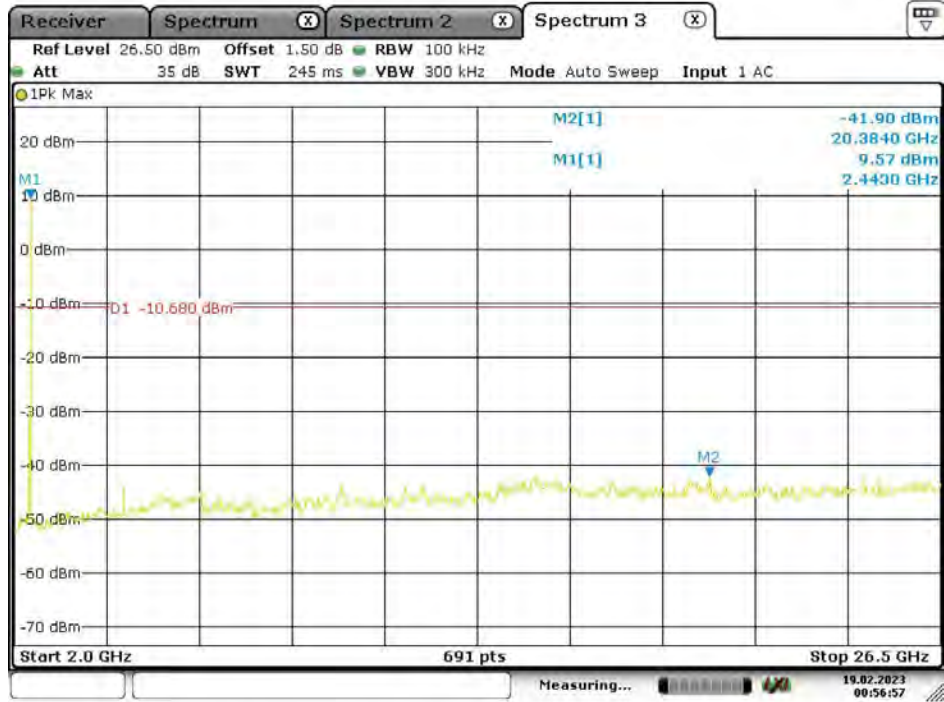
Test Report No.: PSU-QSU2308280414RF06

11B_Ant0_2437_30~3000



Date: 19.FEB.2023 00:56:25

11B_Ant0_2437_2000~26500



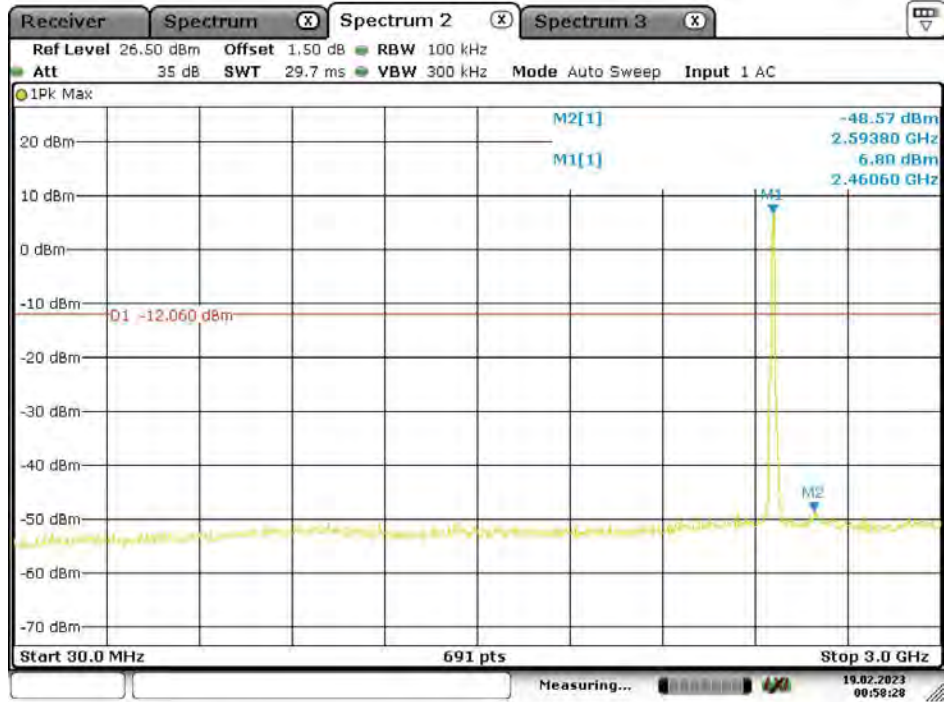
Date: 19.FEB.2023 00:56:56



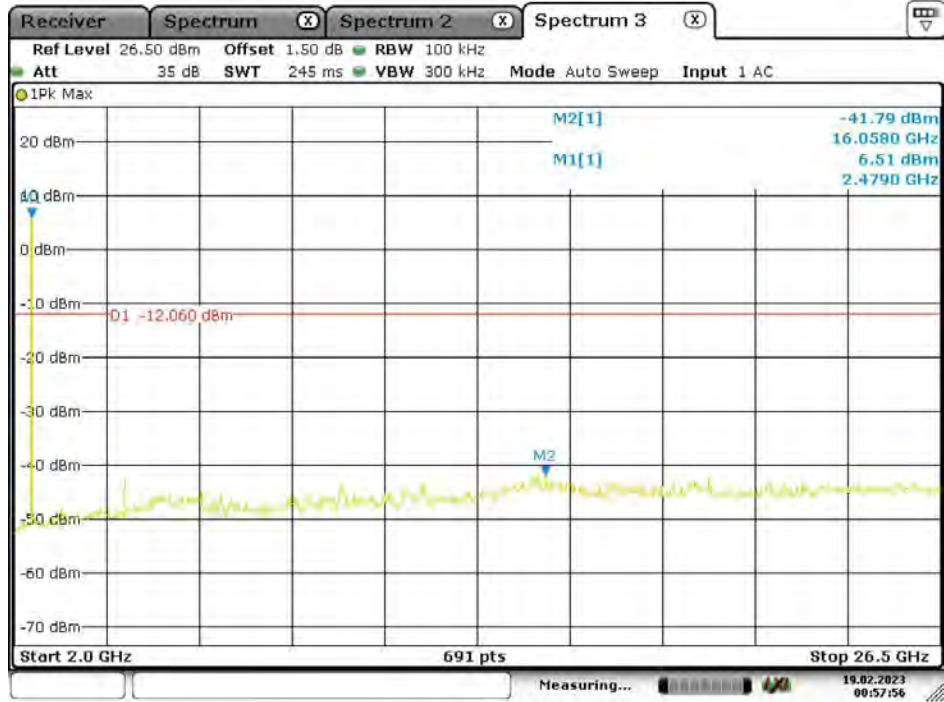
BUREAU VERITAS

Test Report No.: PSU-QSU2308280414RF06

11B_Ant0_2462_30~3000



11B_Ant0_2462_2000~26500

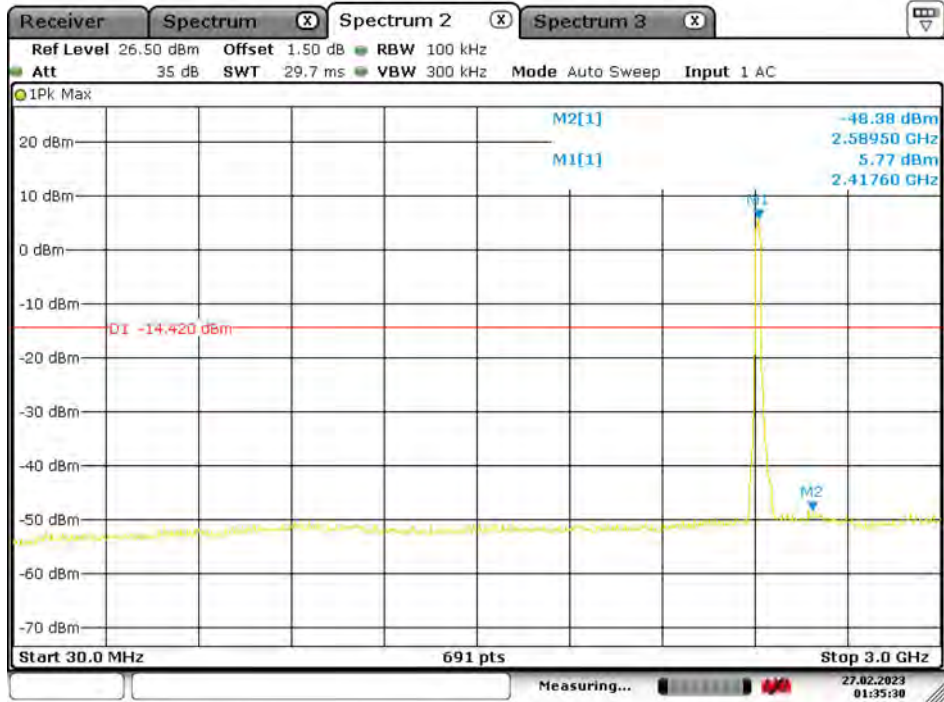




BUREAU VERITAS

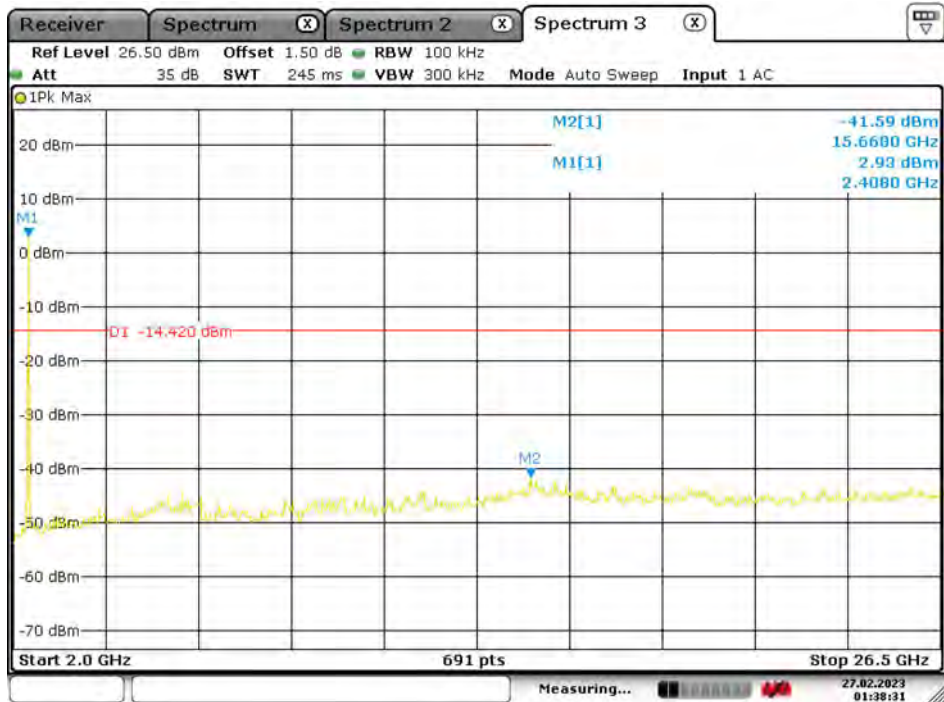
Test Report No.: PSU-QSU2308280414RF06

11G_Ant0_2412_30~3000



Date: 27.FEB.2023 01:35:30

11G_Ant0_2412_2000~26500



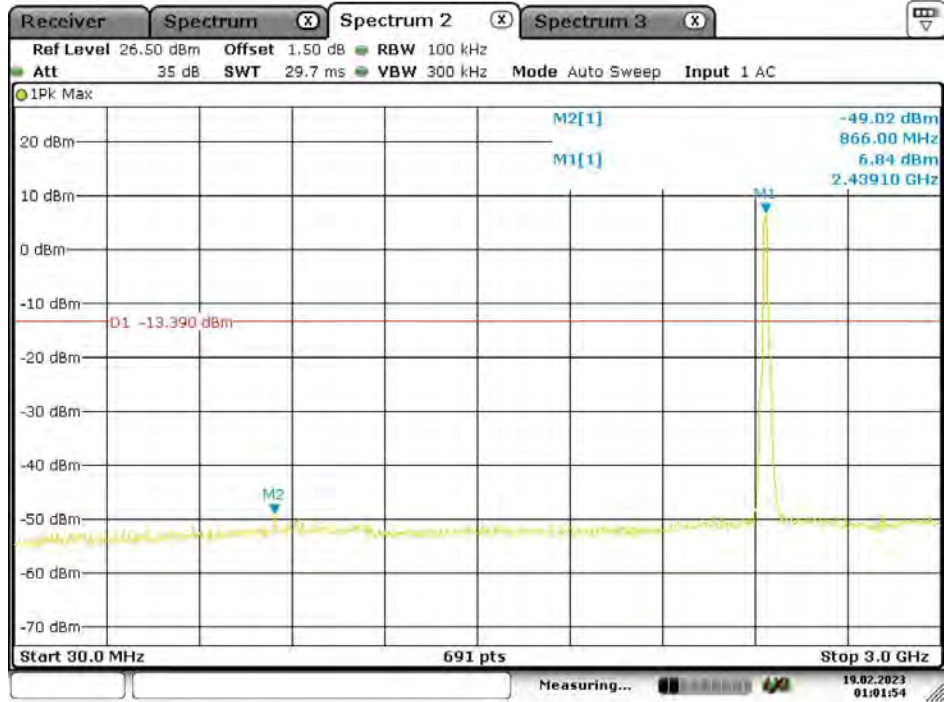
Date: 27.FEB.2023 01:38:31



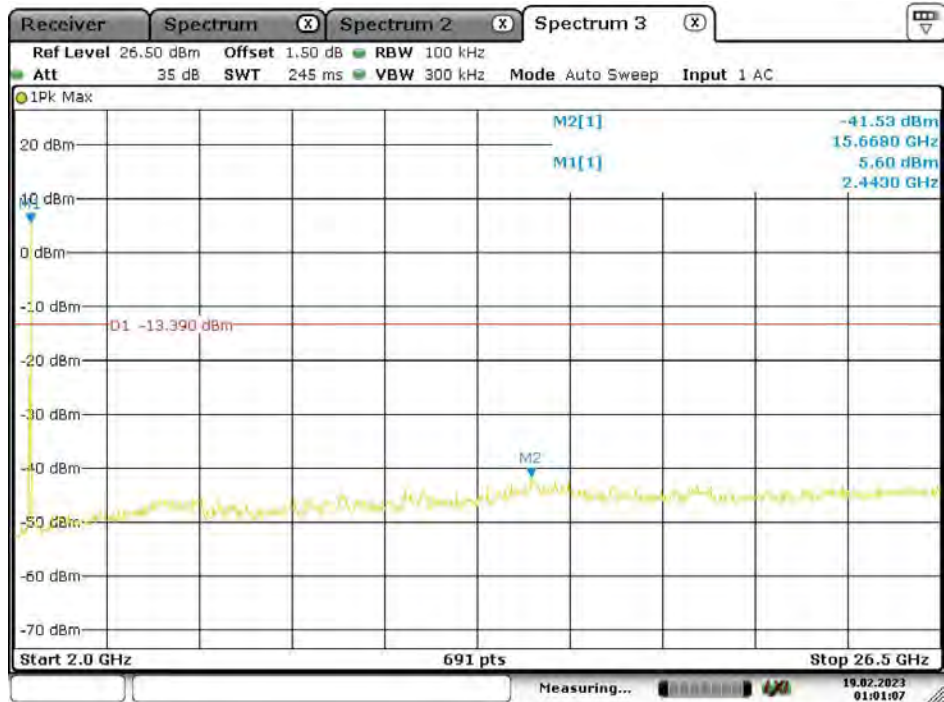
BUREAU
VERITAS

Test Report No.: PSU-QSU2308280414RF06

11G_Ant0_2437_30~3000



11G_Ant0_2437_2000~26500

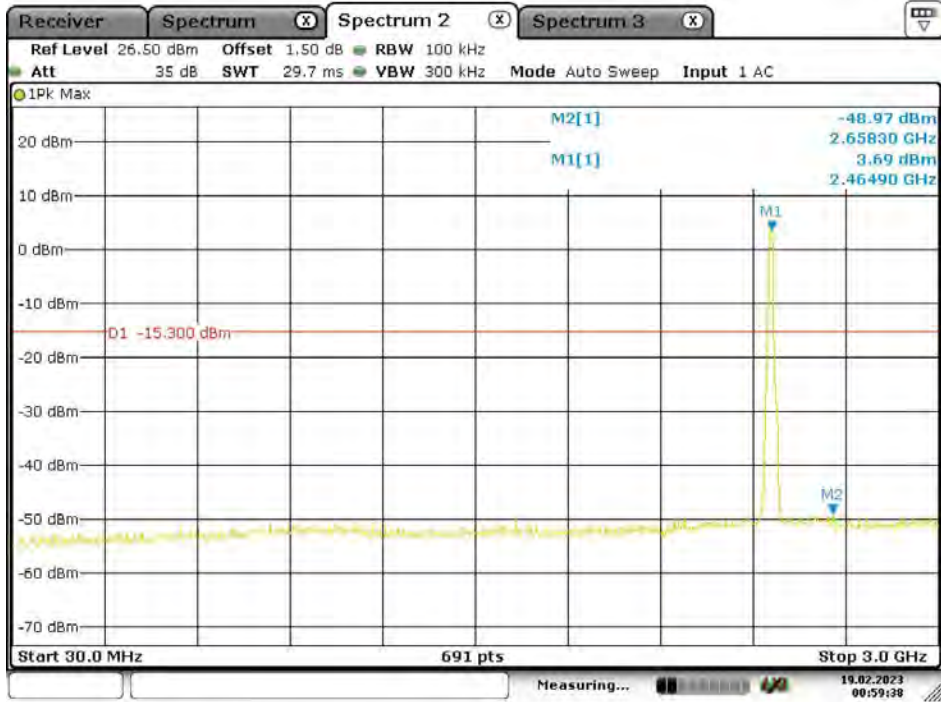




BUREAU VERITAS

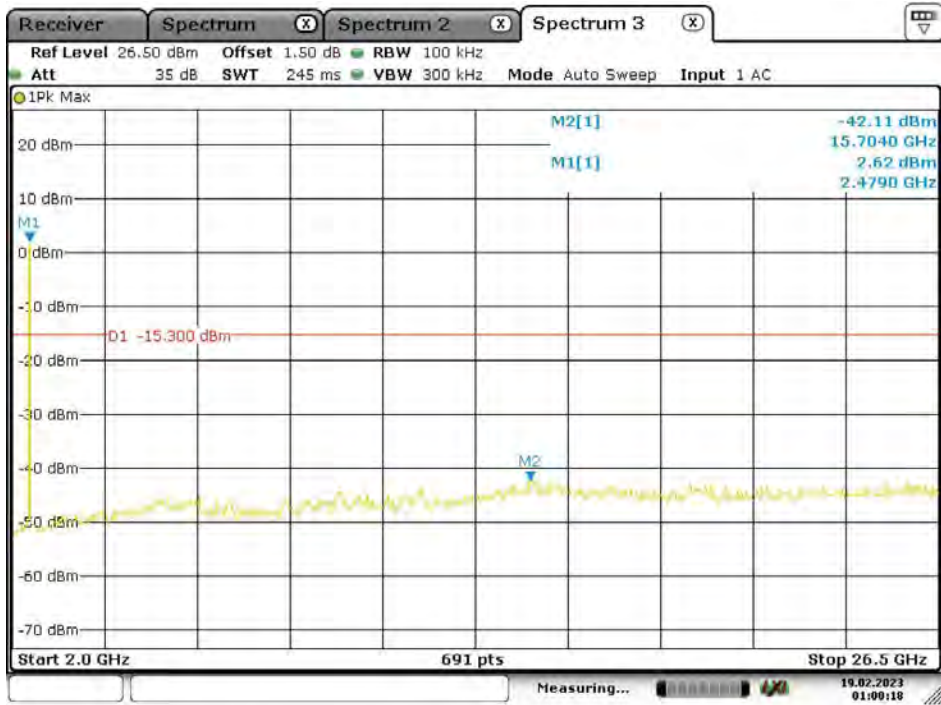
Test Report No.: PSU-QSU2308280414RF06

11G_Ant0_2462_30~3000



Date: 19.FEB.2023 00:59:37

11G_Ant0_2462_2000~26500



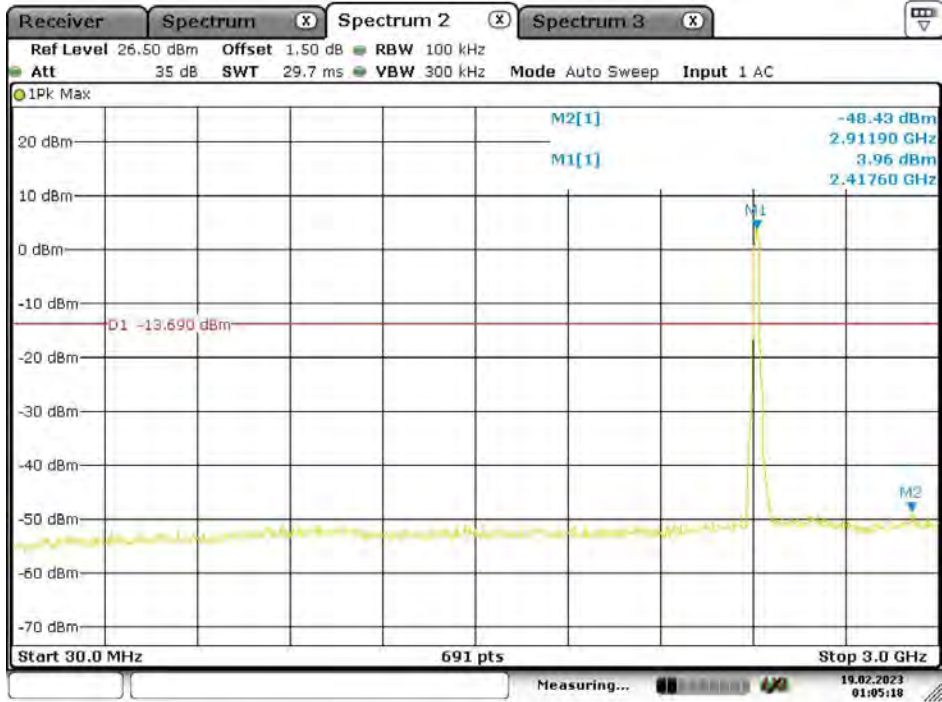
Date: 19.FEB.2023 01:00:18



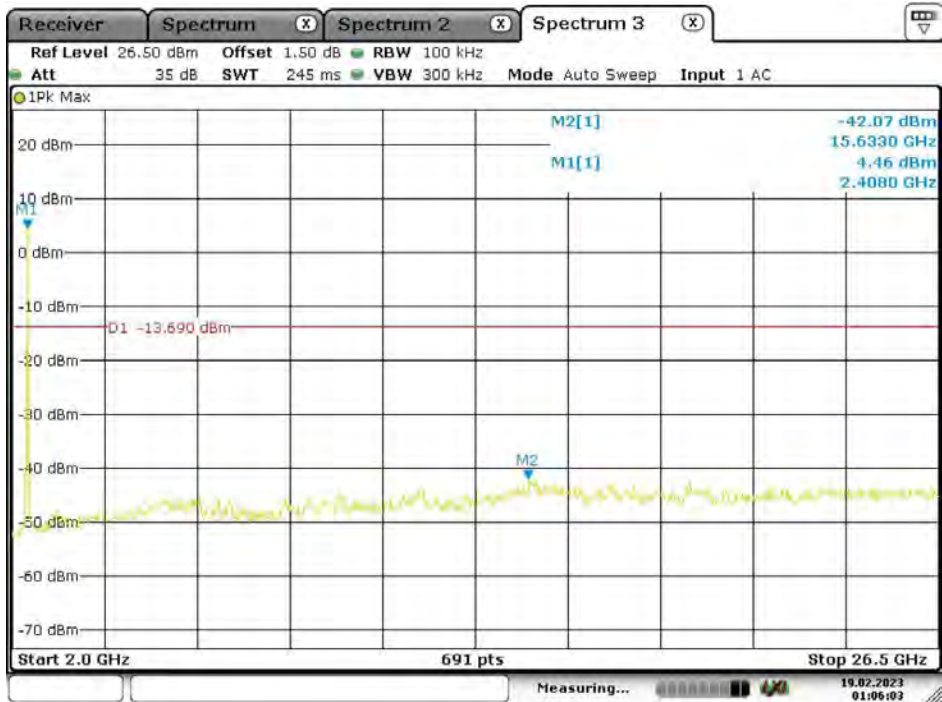
BUREAU VERITAS

Test Report No.: PSU-QSU2308280414RF06

11N20_Ant0_2412_30~3000



11N20_Ant0_2412_2000~26500

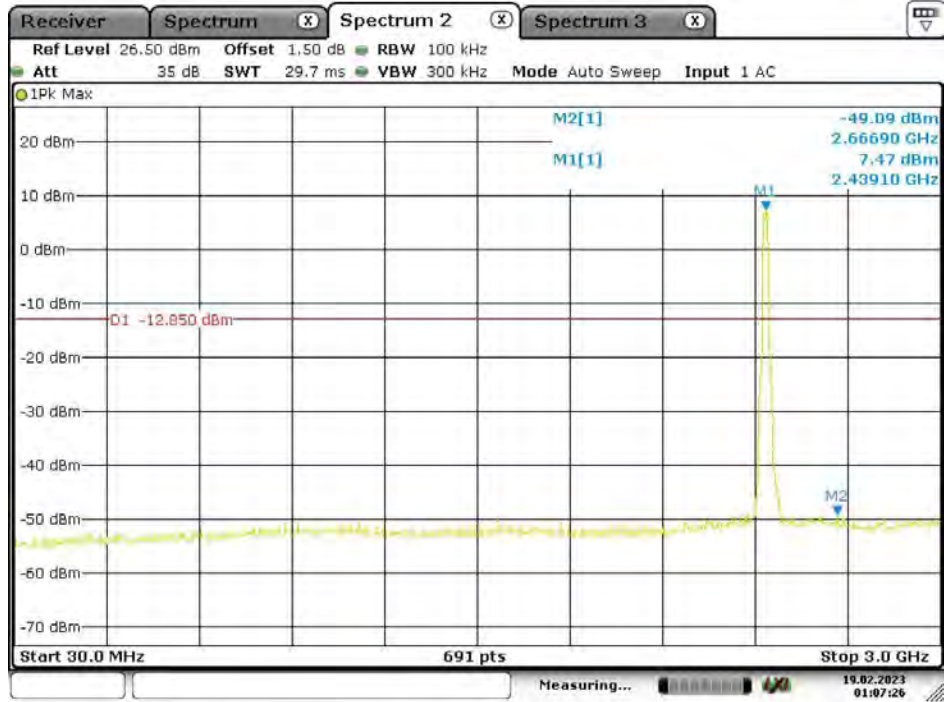




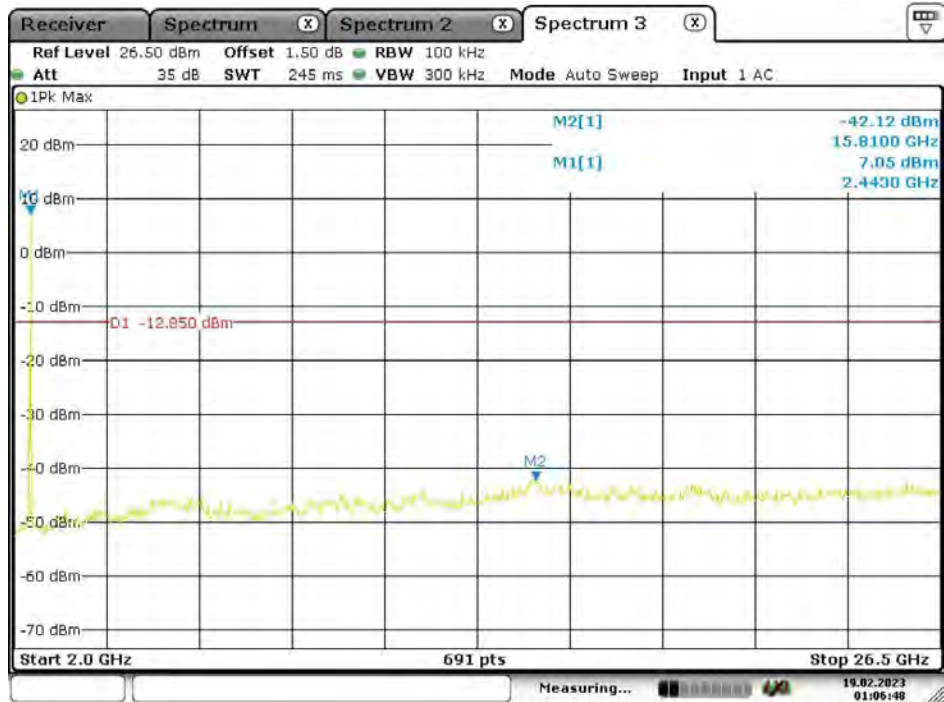
BUREAU
VERITAS

Test Report No.: PSU-QSU2308280414RF06

11N20_Ant0_2437_30~3000



11N20_Ant0_2437_2000~26500

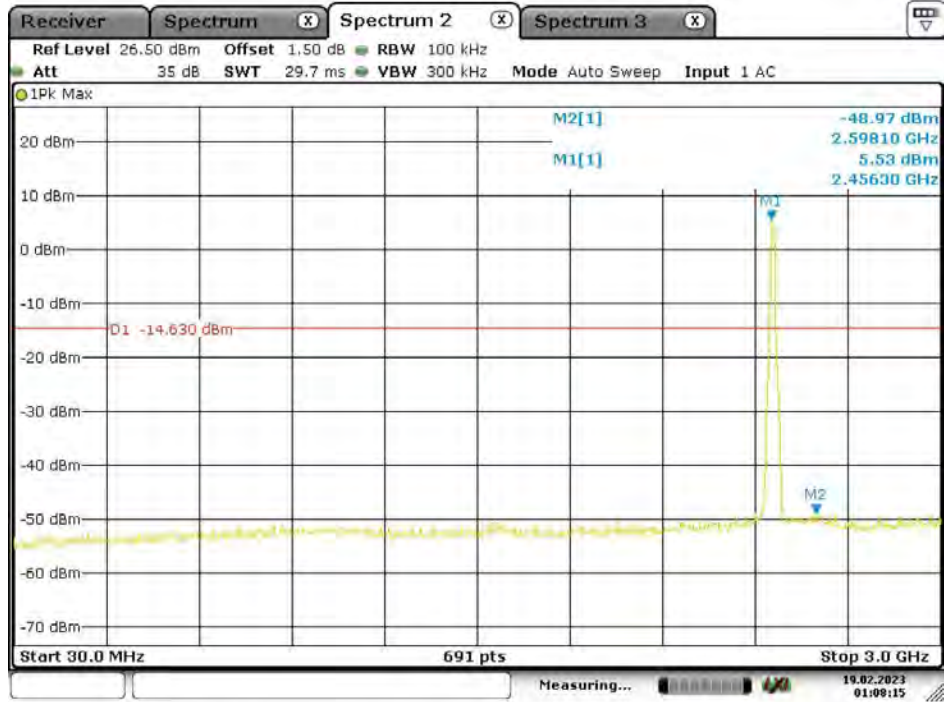




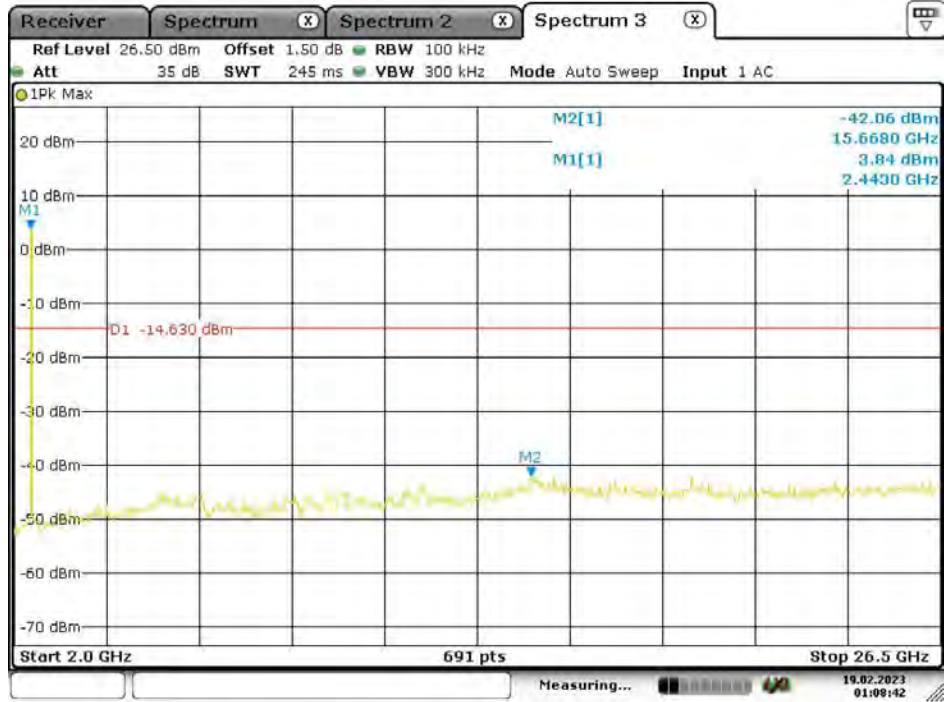
BUREAU VERITAS

Test Report No.: PSU-QSU2308280414RF06

11N20_Ant0_2462_30~3000



11N20_Ant0_2462_2000~26500





DUTY CYCLE

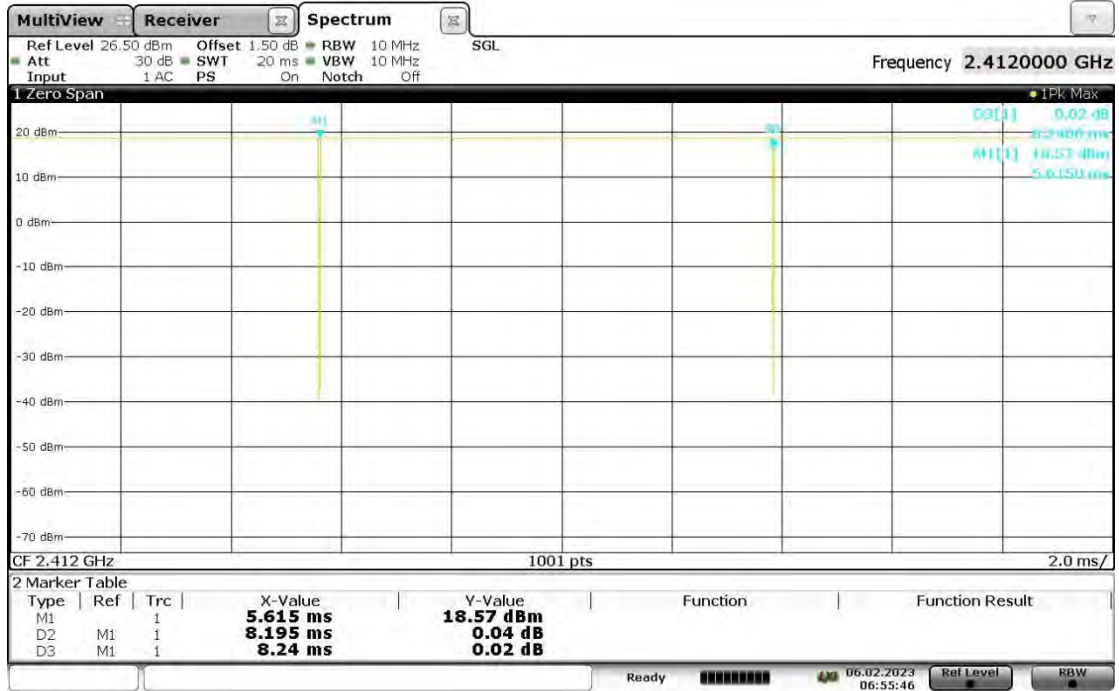
TEST RESULT

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11B	Ant0	2412	8.195	8.240	99.45
11G	Ant0	2412	1.360	1.405	96.8
11N20	Ant0	2412	1.275	1.305	97.70



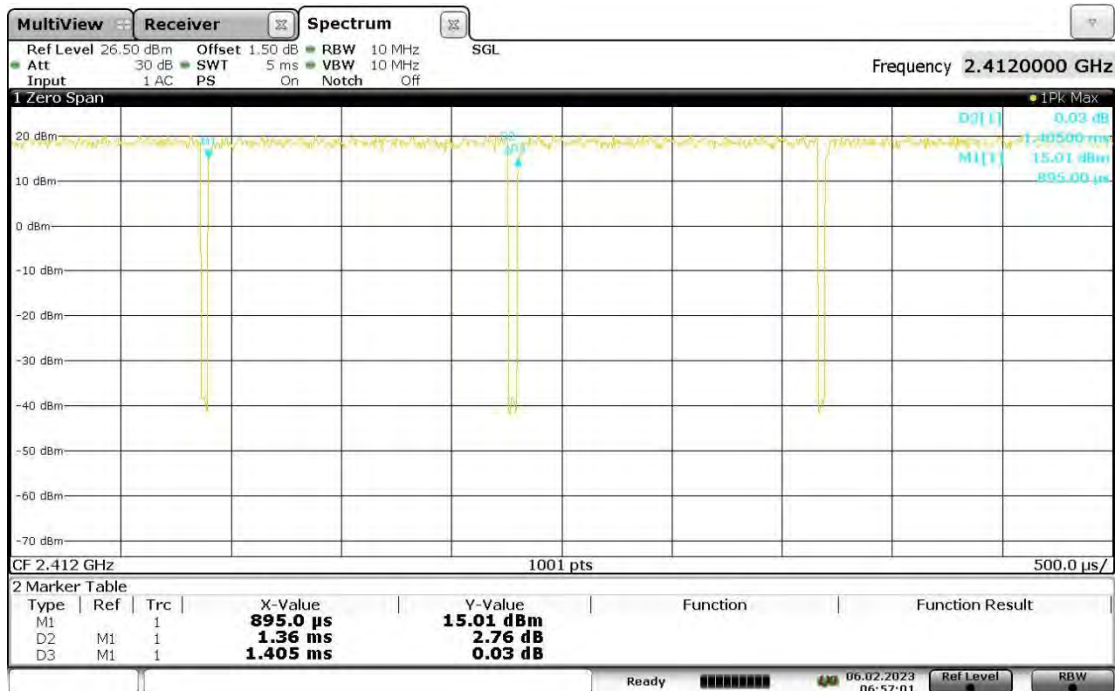
TEST GRAPHS

11B_Ant0_2412



06:55:47 06.02.2023

11G_Ant0_2412



06:57:02 06.02.2023

11N20_Ant0_2412



BUREAU VERITAS Test Report No.: PSU-QSU2308280414RF06





7 Appendix 2 BLE DTS BANDWIDTH

TEST RESULT

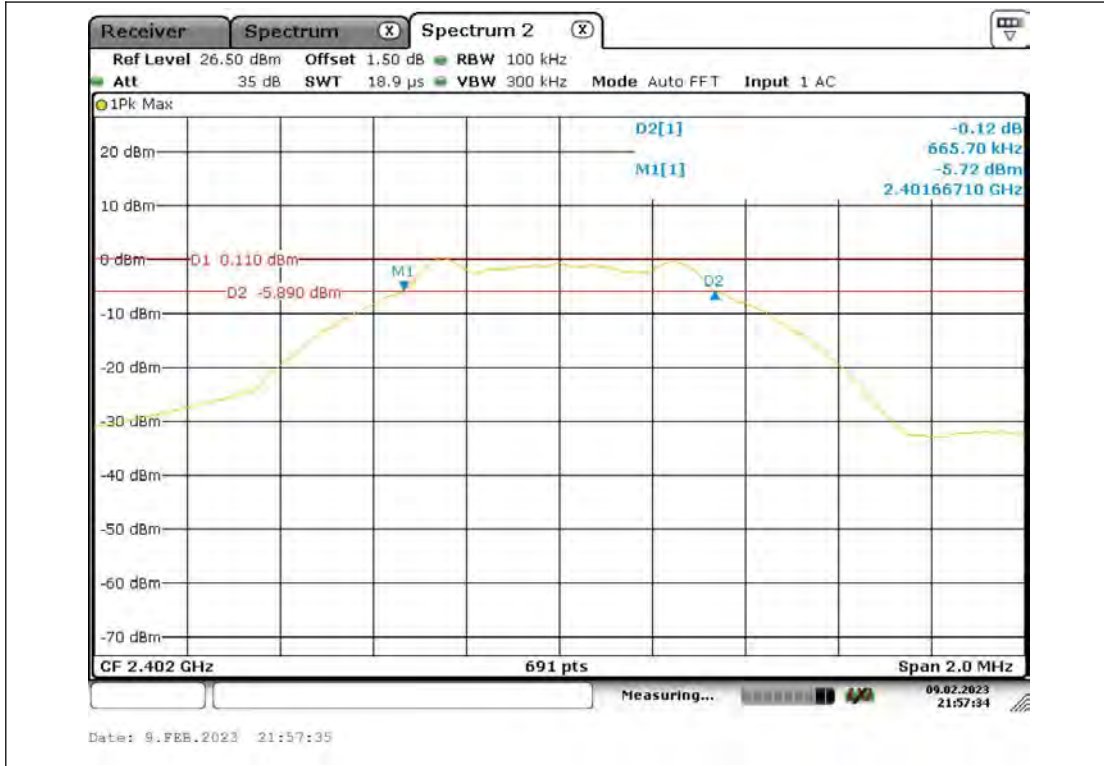
TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.666	2401.667	2402.333	0.5	PASS
		2440	0.666	2439.667	2440.333	0.5	PASS
		2480	0.663	2479.667	2480.330	0.5	PASS



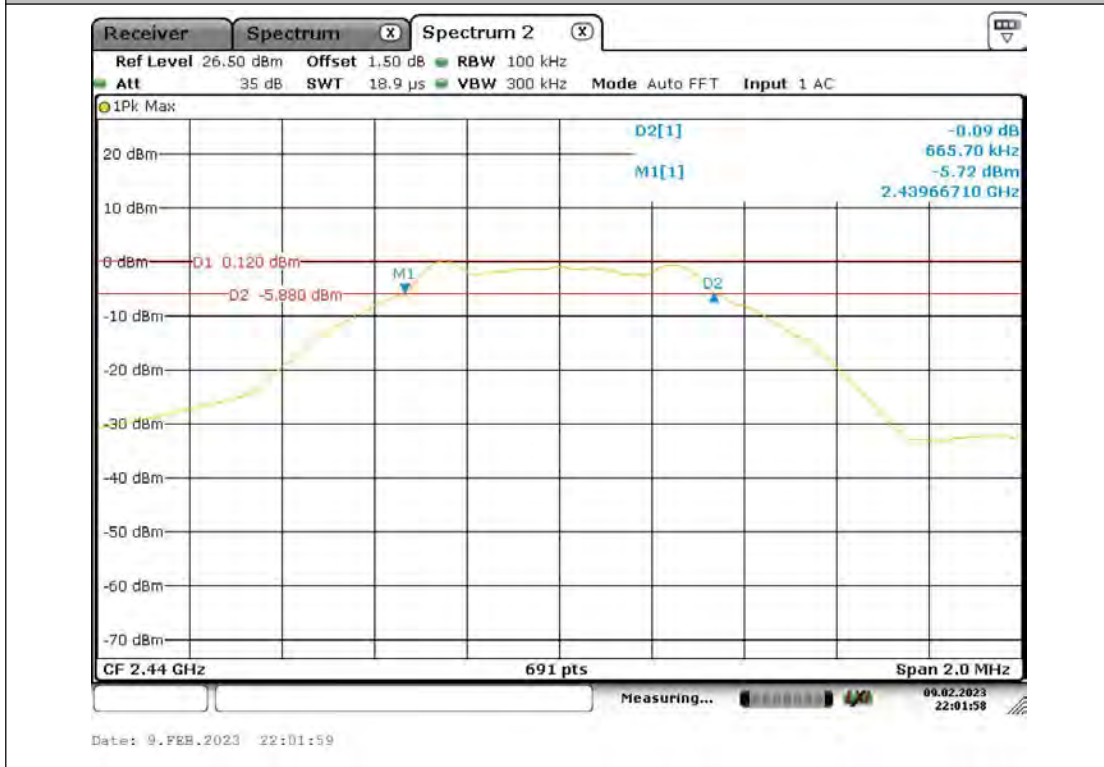
BUREAU VERITAS

Test Report No.: PSU-QSU2308280414RF06

TEST GRAPHS



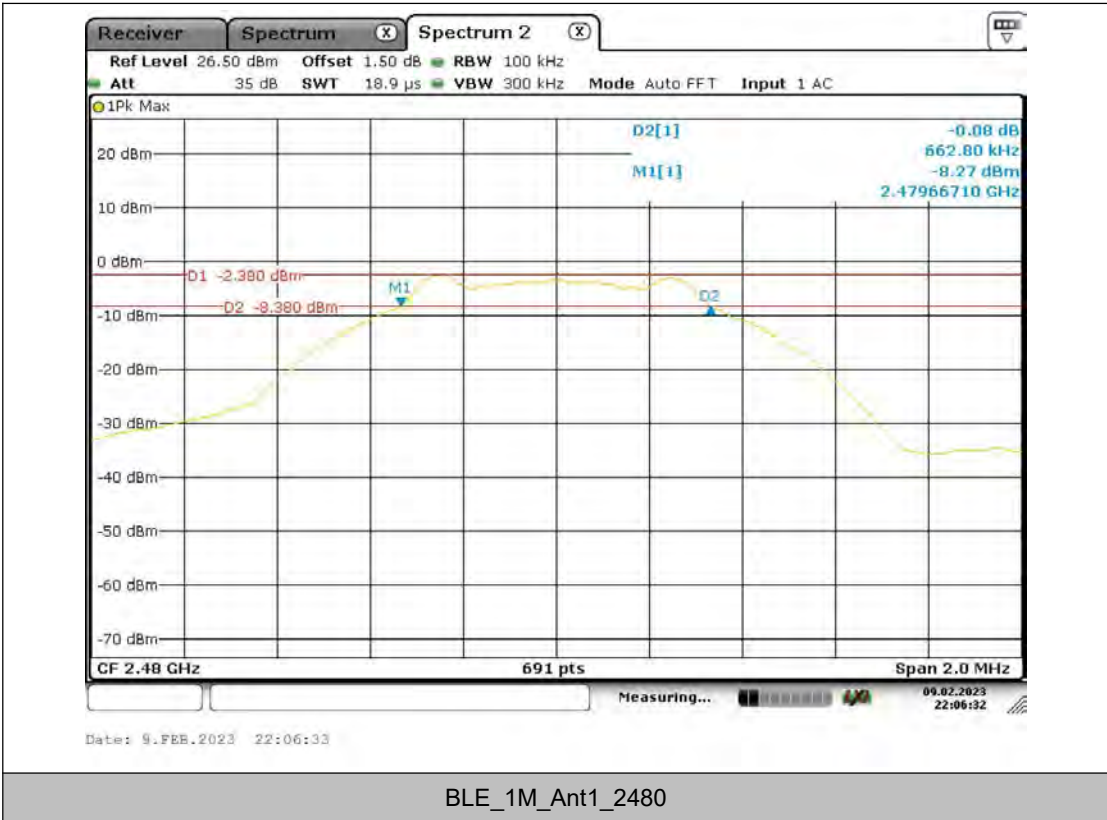
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BUREAU VERITAS Test Report No.: PSU-QSU2308280414RF06



BLE_1M_Ant1_2480



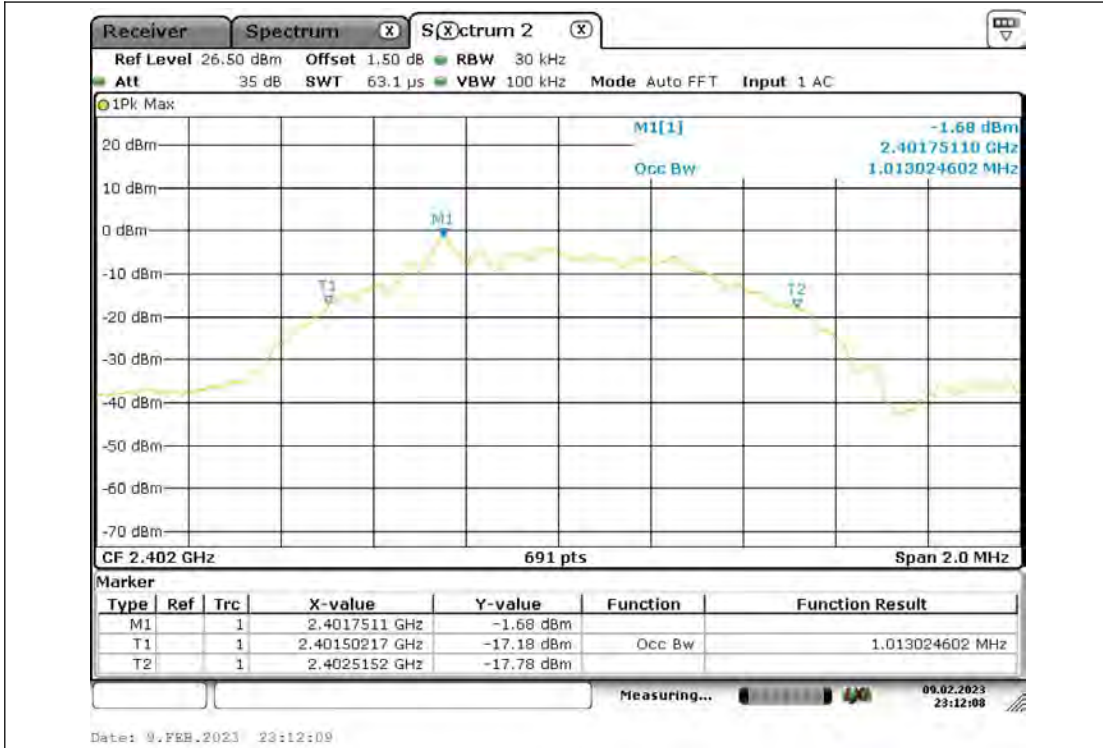
OCCUPIED CHANNEL BANDWIDTH

TEST RESULT

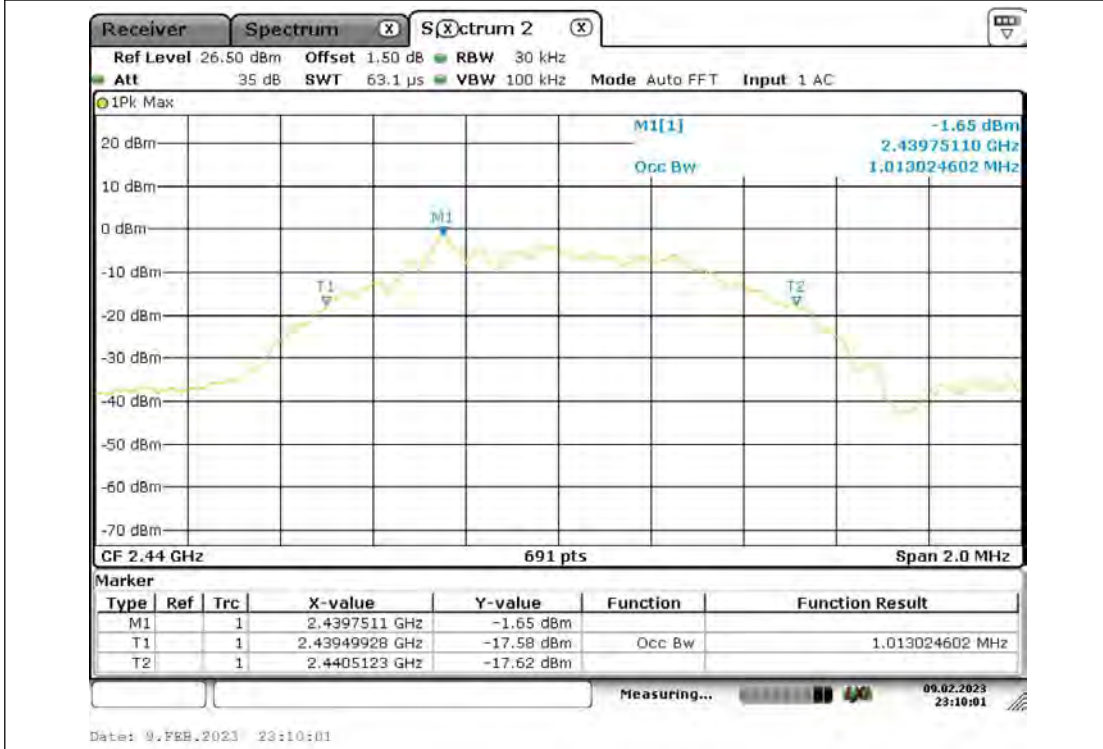
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0130	2401.502	2402.515	---	PASS
		2440	1.0130	2439.499	2440.512	---	PASS
		2480	1.0130	2479.499	2480.512	---	PASS



TEST GRAPHS



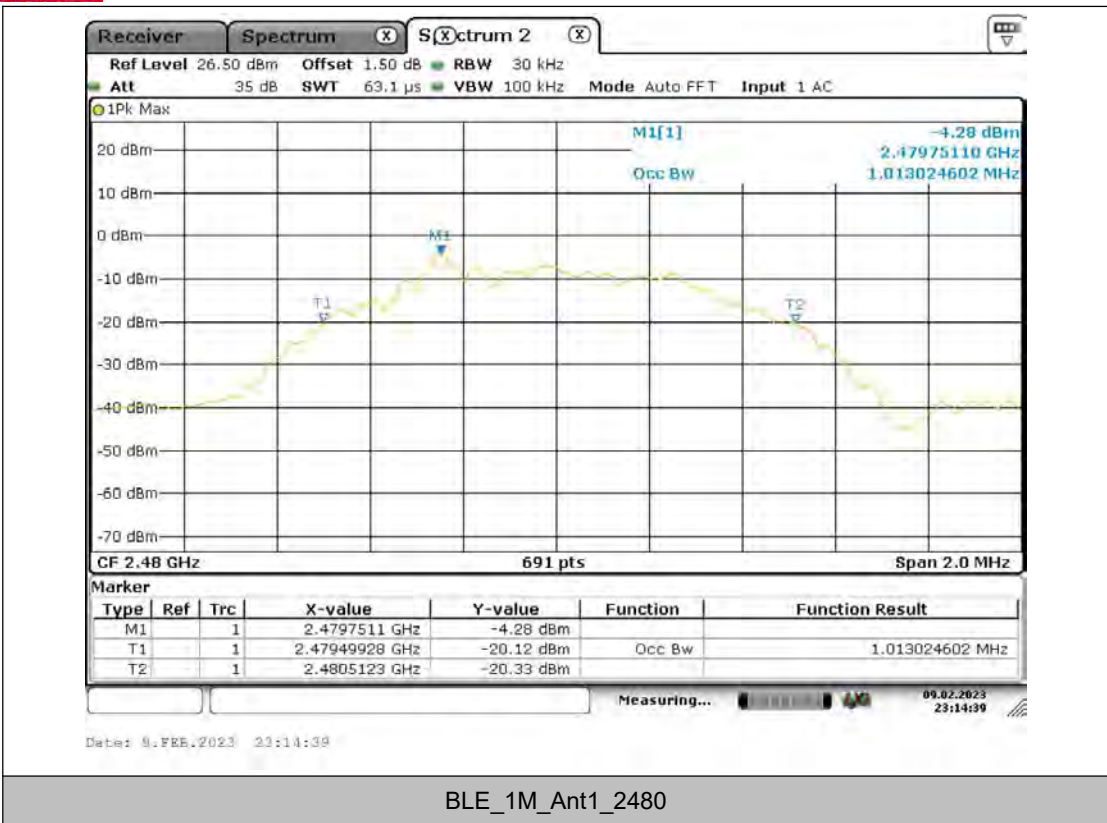
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BUREAU VERITAS Test Report No.: PSU-QSU2308280414RF06



BLE_1M_Ant1_2480



MAXIMUM CONDUCTED OUTPUT POWER

TEST RESULT PEAK

TestMode	Antenna	Channel	Peak Power[dBm]	Peak Power[mw]	Conducted Limit[dBm]	Verdict	Power setting
1M	Ant1	2402	0.07	1.016	≤30	PASS	Default
		2440	-0.10	0.977	≤30	PASS	Default
		2480	-1.90	0.646	≤30	PASS	Default

TEST RESULT AVERAGE

TestMode	Antenna	Channel	Average Power	Conducted Limit[dBm]	Verdict	Power setting
1M	Ant1	2402	-0.15	/	PASS	Default
		2440	-0.55	/	PASS	Default
		2480	-2.12	/	PASS	Default



MAXIMUM POWER SPECTRAL DENSITY

TEST RESULT

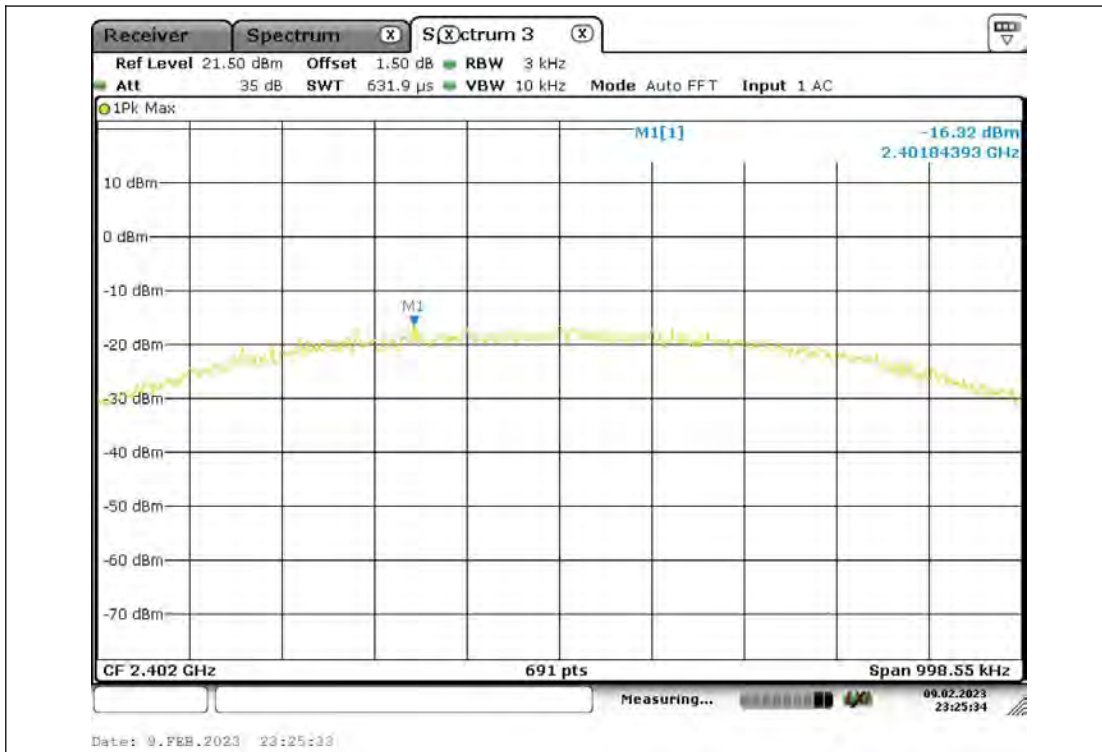
TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-16.32	≤8	PASS
		2440	-16.01	≤8	PASS
		2480	-18.35	≤8	PASS



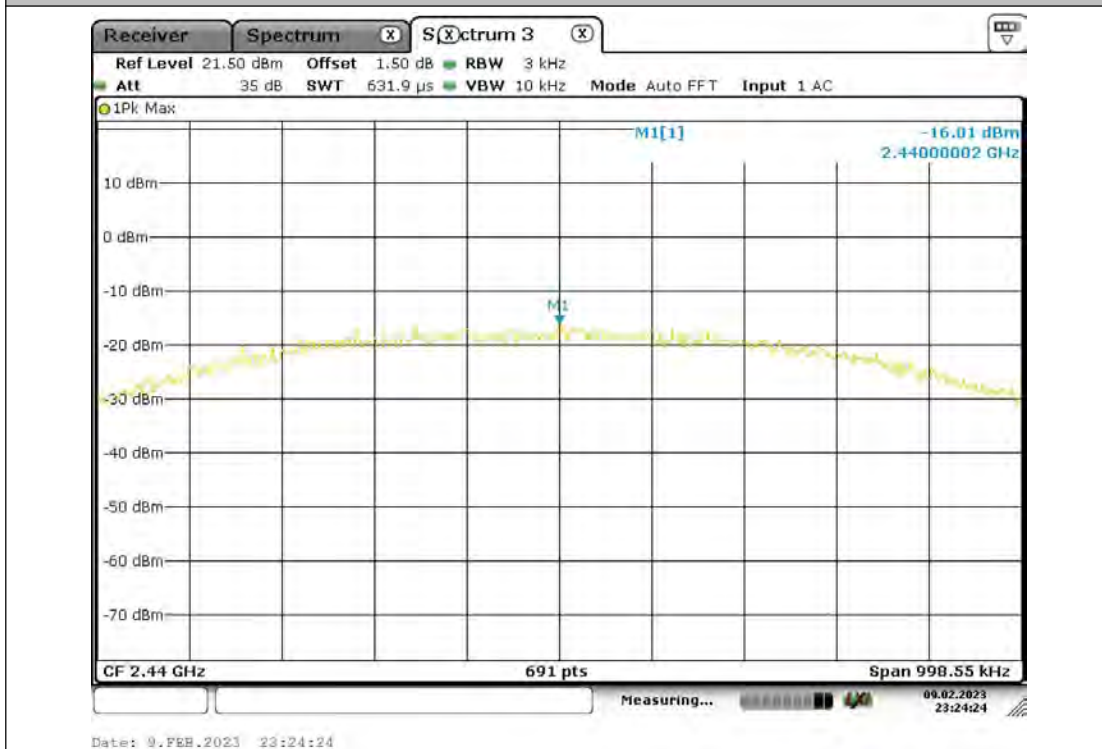
BUREAU VERITAS

Test Report No.: PSU-QSU2308280414RF06

TEST GRAPHS



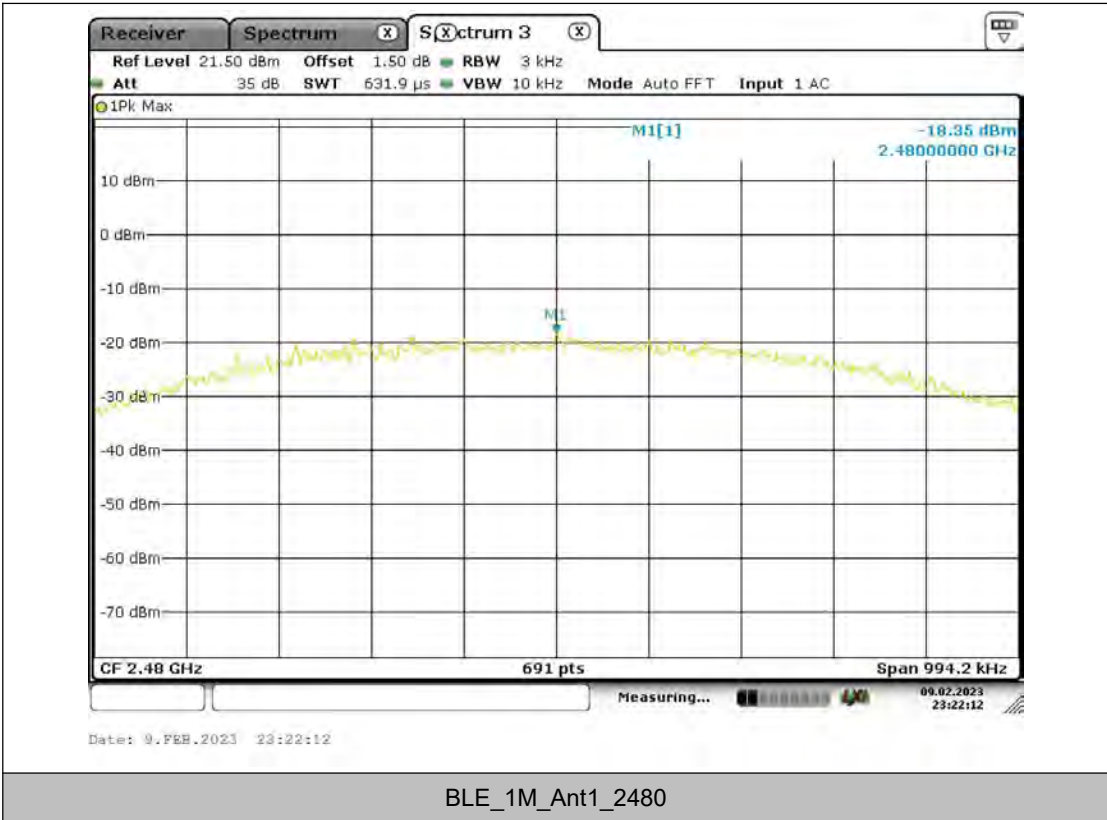
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BUREAU VERITAS Test Report No.: PSU-QSU2308280414RF06





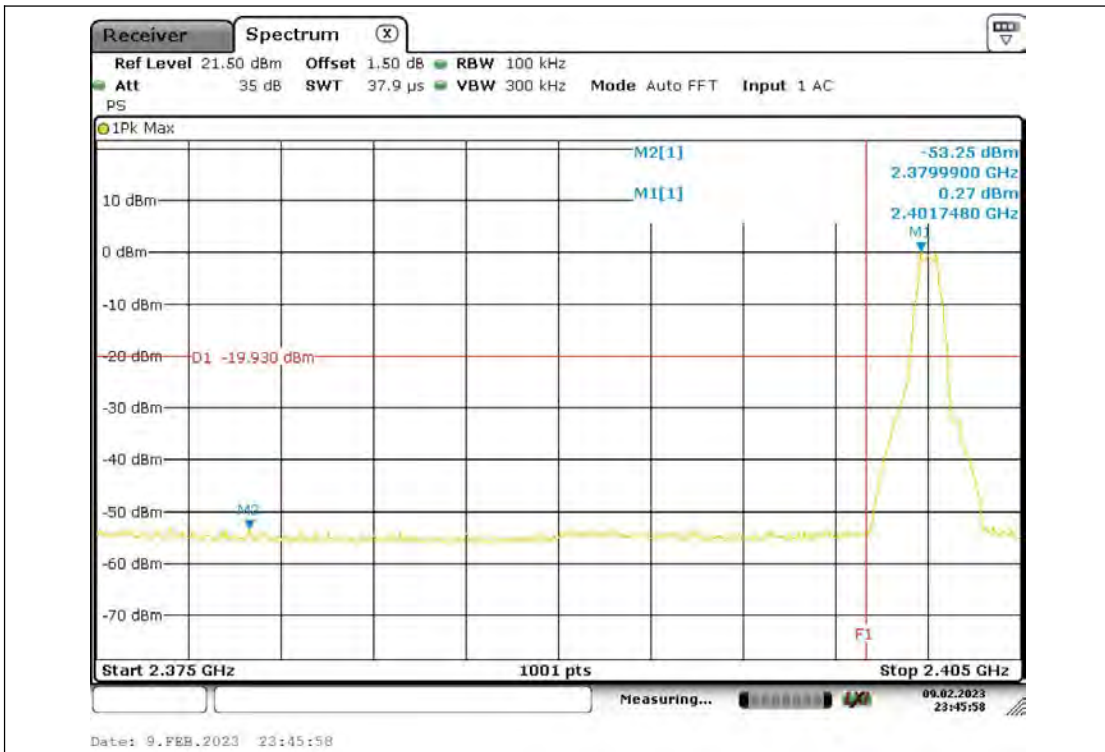
BAND EDGE MEASUREMENTS

TEST RESULT

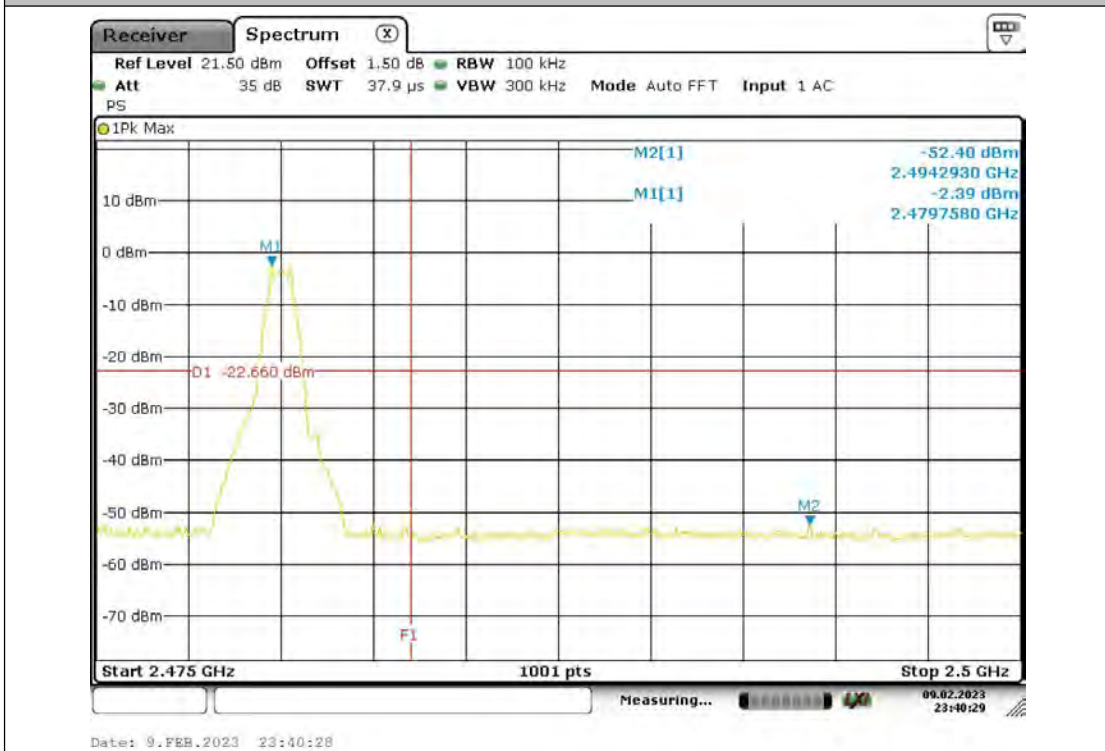
TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.07	-53.25	≤-19.93	PASS
		High	2480	-2.66	-52.40	≤-22.66	PASS



TEST GRAPHS



BLE_1M_Ant1_Low_2402



BLE_1M_Ant1_High_2480

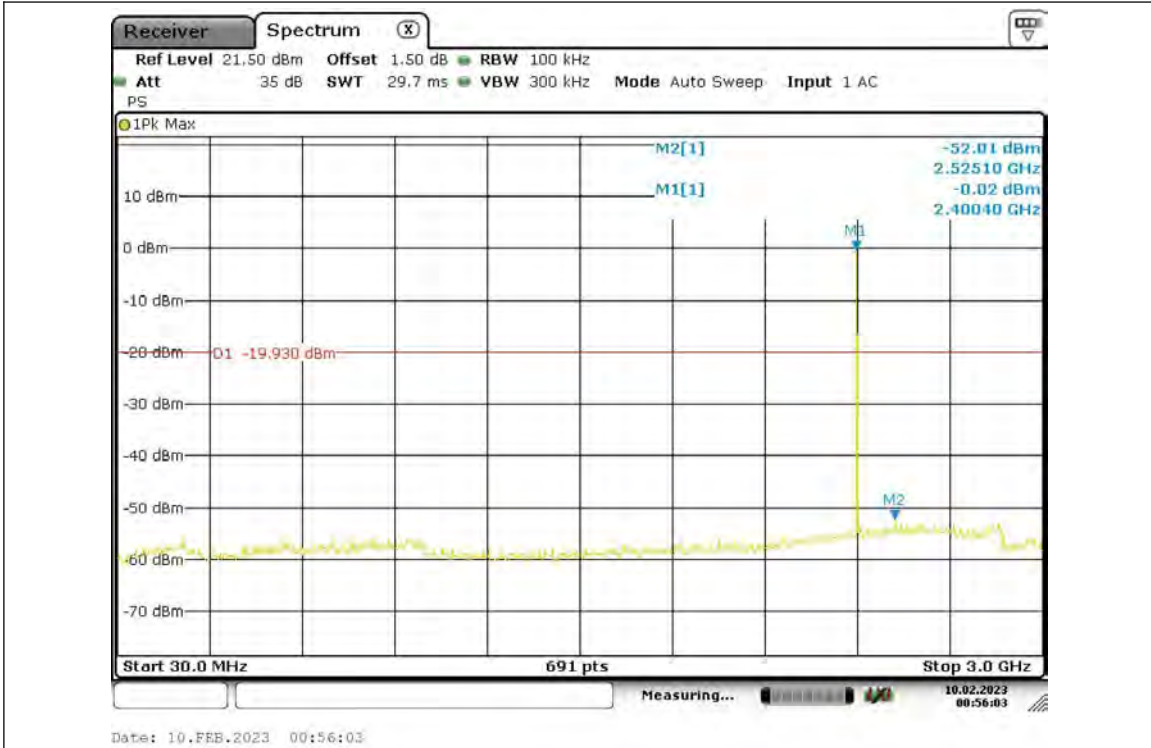


CONDUCTED SPURIOUS EMISSION TEST RESULT

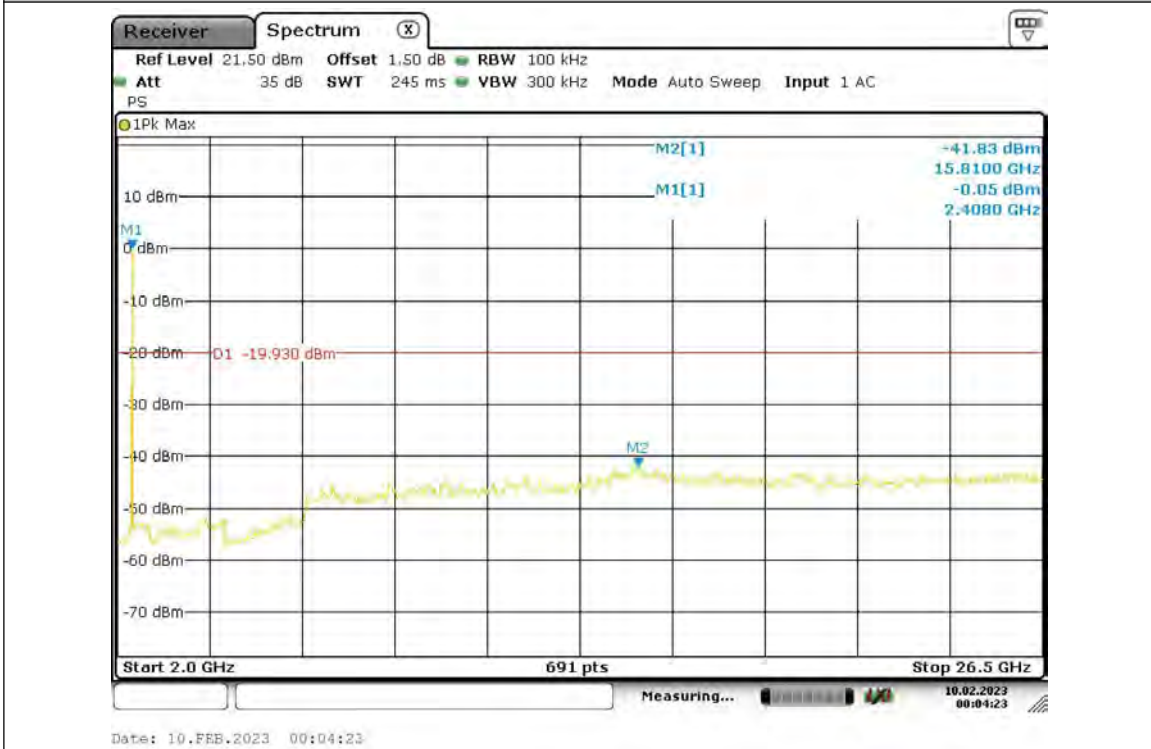
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	30~3000	-0.07	-52.01	≤-19.93	PASS
			2000~26500	-0.07	-41.83	≤-19.93	PASS
		2440	30~3000	0.13	-52.16	≤-19.87	PASS
			2000~26500	0.13	-41.43	≤-19.87	PASS
		2480	30~3000	-2.66	-49.29	≤-22.66	PASS
			2000~26500	-2.66	-41.76	≤-22.66	PASS



TEST GRAPHS



BLE_1M_Ant1_2402_30~3000

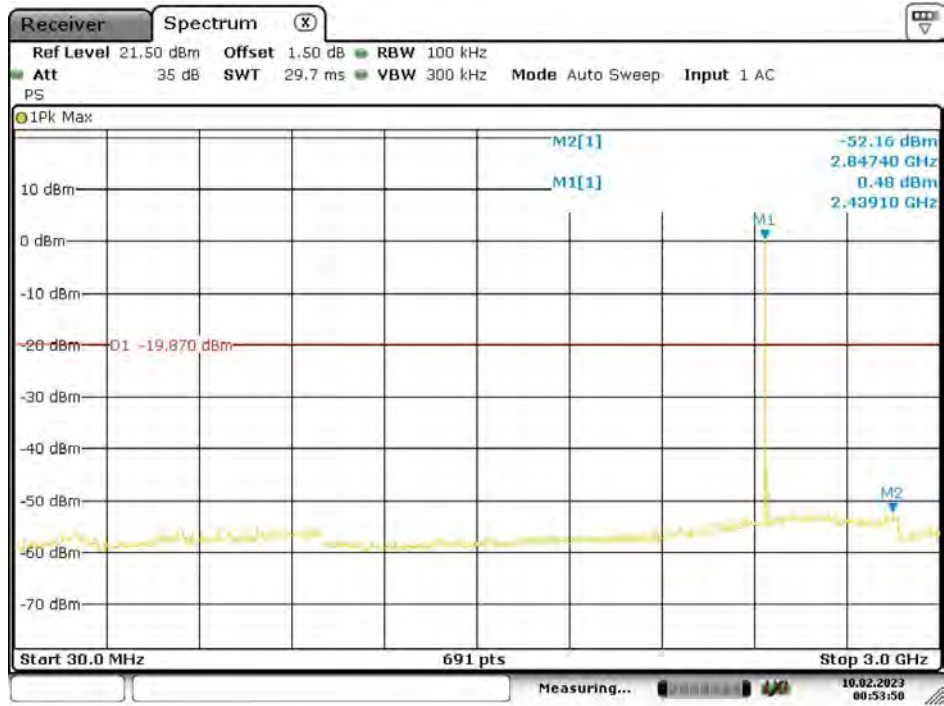


BLE_1M_Ant1_2402_2000~26500



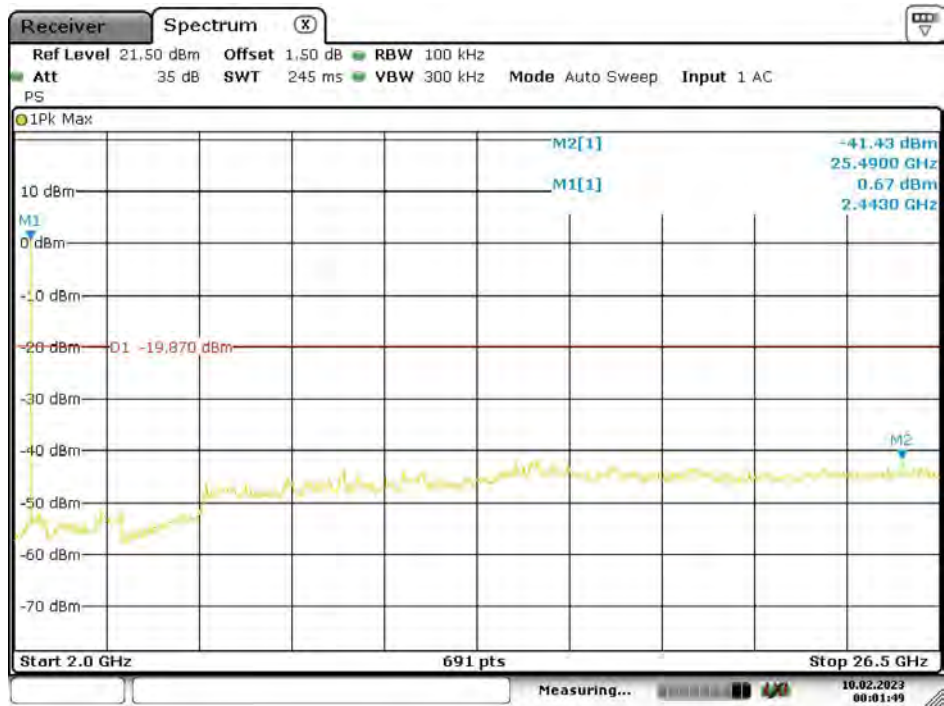
BUREAU VERITAS

Test Report No.: PSU-QSU2308280414RF06



Date: 10.FEB.2023 00:53:50

BLE_1M_Ant1_2440_30~3000



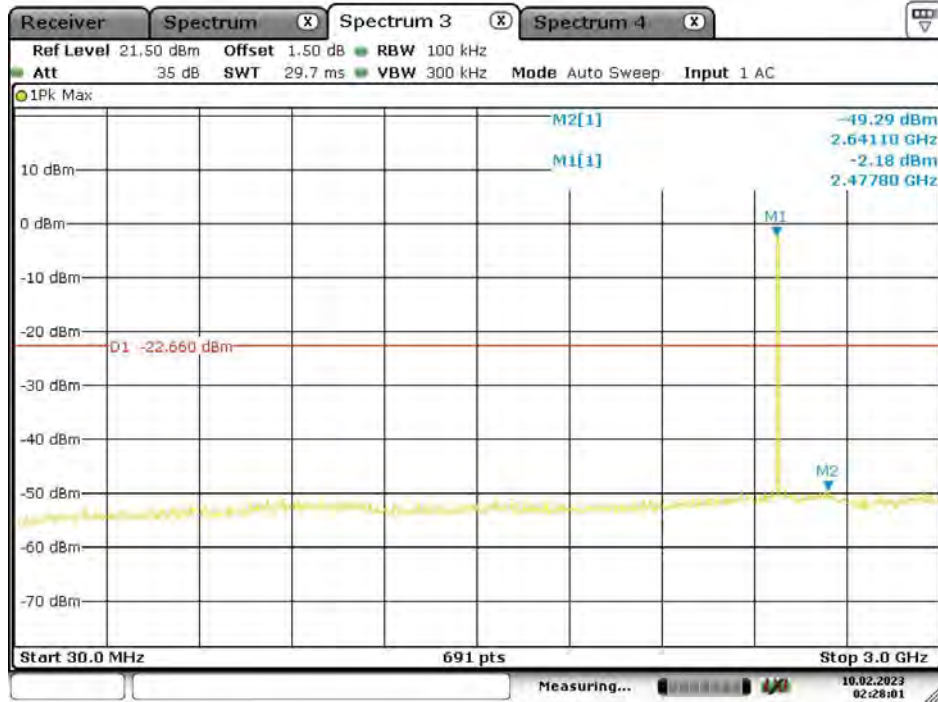
Date: 10.FEB.2023 00:01:49

BLE_1M_Ant1_2440_2000~26500

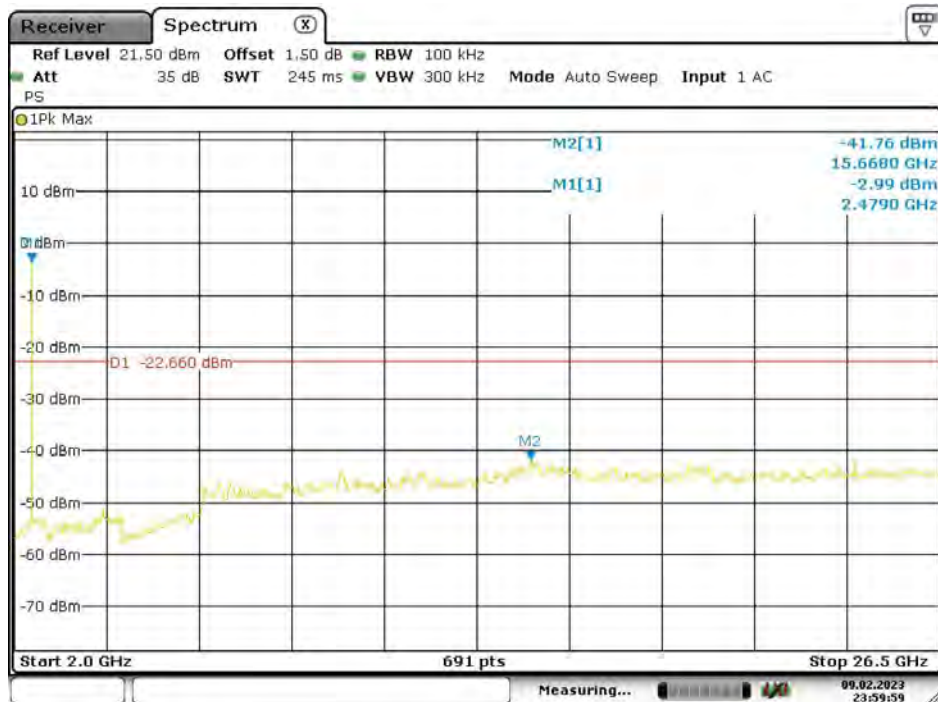


BUREAU VERITAS

Test Report No.: PSU-QSU2308280414RF06



BLE_1M_Ant1_2480_30~3000



BLE_1M_Ant1_2480_2000~26500



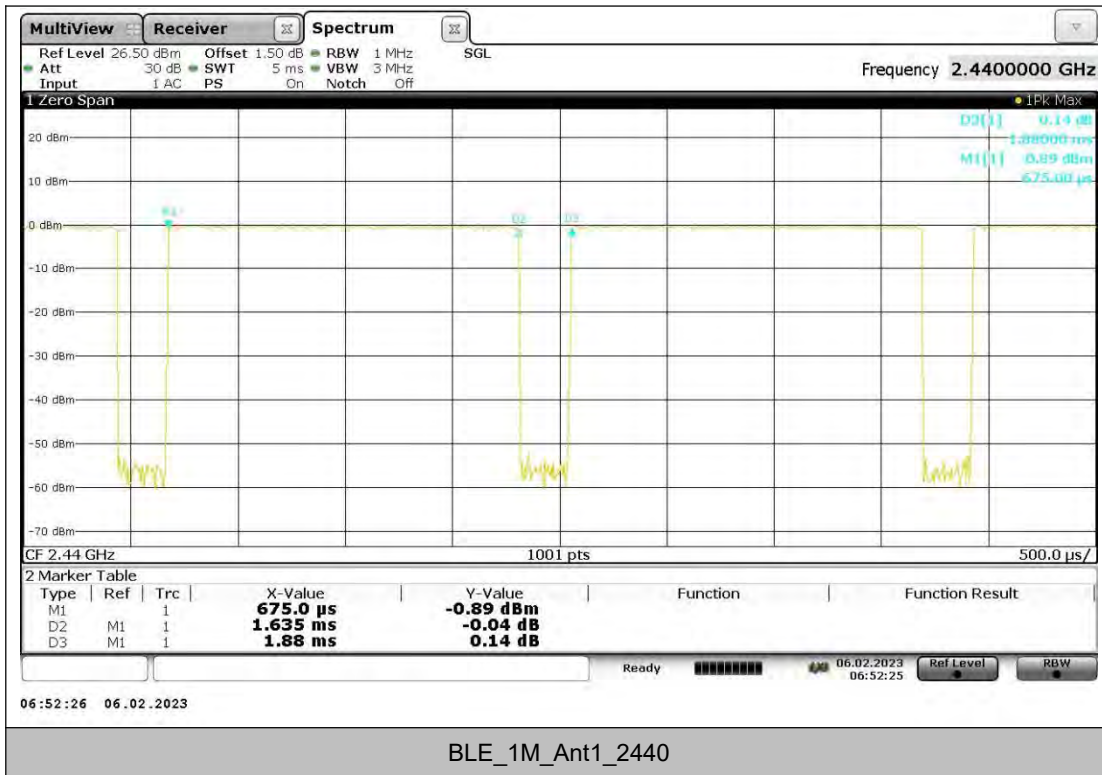
DUTY CYCLE

TEST RESULT

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2440	1.635	1.88	0.8697	86.97	0.61	---	PASS



TEST GRAPHS



---END---