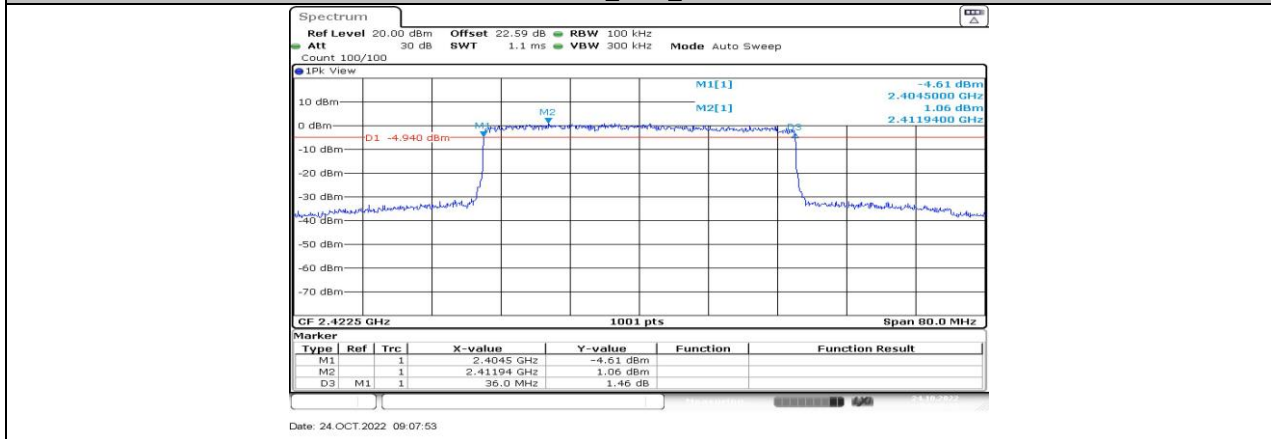
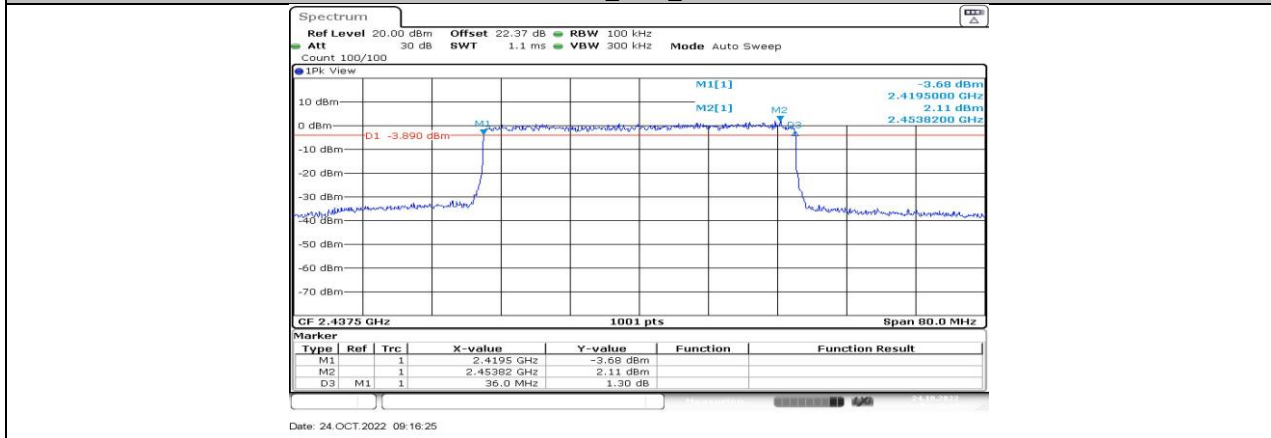


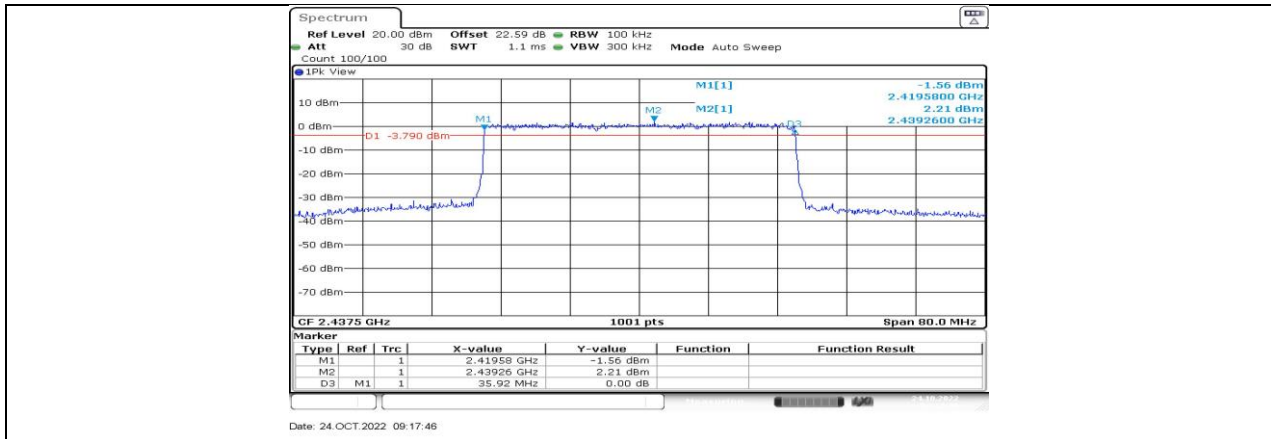
40 MHz_Ant0_2422.5



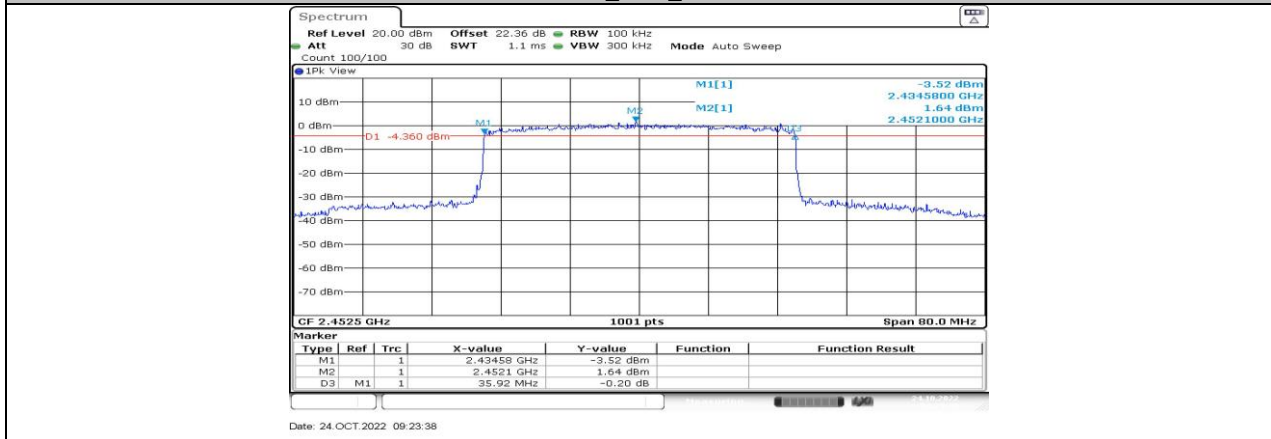
40 MHz_Ant1_2422.5



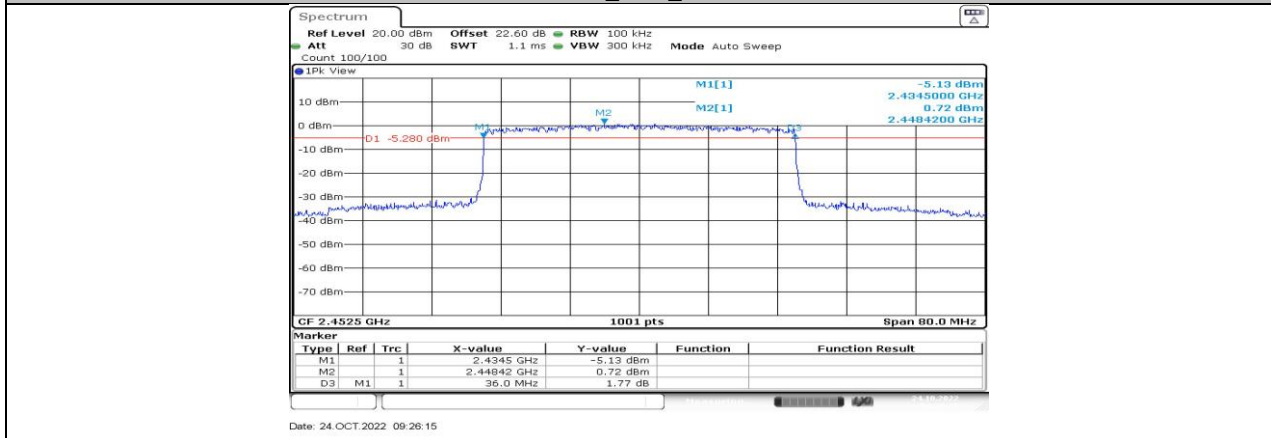
40 MHz_Ant0_2437.5



40 MHz_Ant1_2437.5



40 MHz_Ant0_2452.5



40 MHz_Ant1_2452.5

**11.2. APPENDIX B: OCCUPIED CHANNEL BANDWIDTH****11.2.1. Test Result**

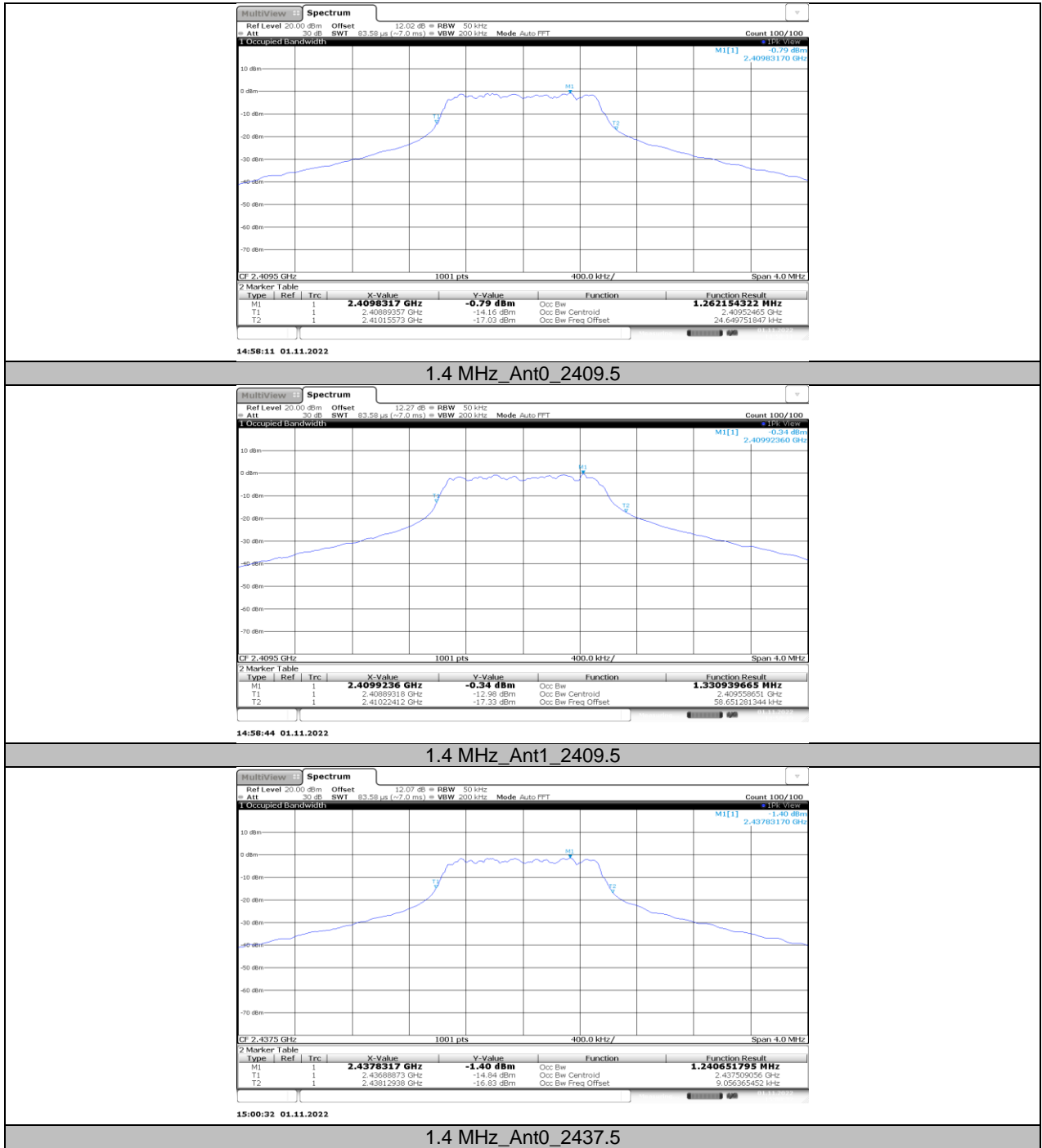
Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Verdict
1.4 MHz	Ant0	2409.5	1.262	2408.8936	2410.1557	PASS
	Ant1	2409.5	1.331	2408.8932	2410.2241	PASS
	Ant0	2437.5	1.241	2436.8887	2438.1294	PASS
	Ant1	2437.5	1.339	2436.8901	2438.2295	PASS
	Ant0	2465.5	1.272	2464.8819	2466.1542	PASS
	Ant1	2465.5	1.344	2464.8901	2466.2343	PASS
1.4 MHz CA	Ant0	2411.12	1.272	2410.5114	2411.7831	PASS
	Ant1	2411.12	1.313	2410.5104	2411.8234	PASS
	Ant0	2437.12	1.27	2436.5032	2437.7734	PASS
	Ant1	2437.12	1.342	2436.5108	2437.8526	PASS
	Ant0	2465.12	1.276	2464.5045	2465.7806	PASS
	Ant1	2465.12	1.341	2464.5074	2465.8486	PASS

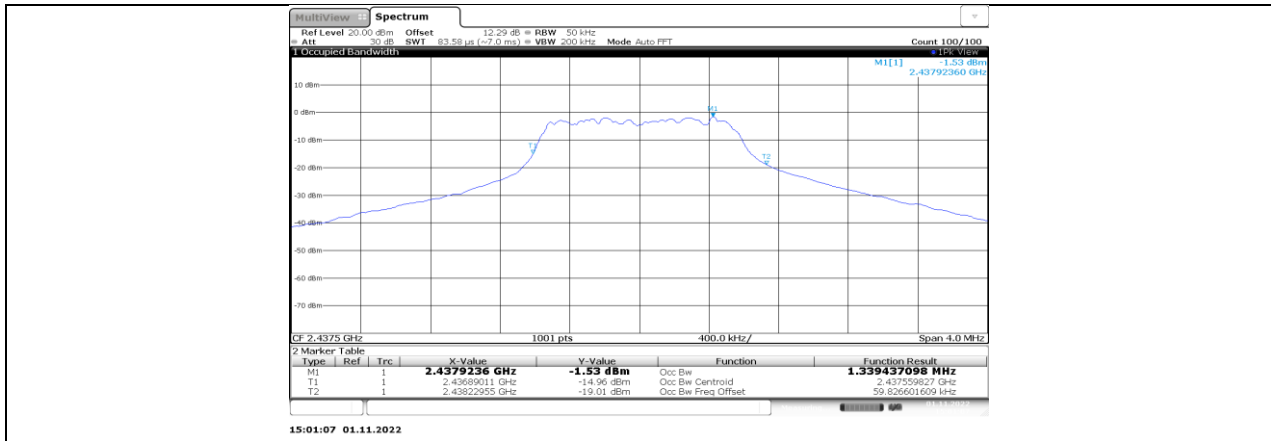
Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Verdict
3 MHz	Ant0	2410.5	2.191	2409.3995	2411.5904	PASS
	Ant1	2410.5	2.256	2409.3816	2411.6377	PASS
	Ant0	2434.5	2.19	2433.3997	2435.5899	PASS
	Ant1	2434.5	2.256	2433.3841	2435.6405	PASS
	Ant0	2461.5	2.19	2460.3983	2462.5887	PASS
	Ant1	2461.5	2.26	2460.3782	2462.6385	PASS
3 MHz CA	Ant0	2413.2	2.196	2412.0977	2414.2939	PASS
	Ant1	2413.2	2.259	2412.0812	2414.3400	PASS
	Ant0	2437.2	2.198	2436.0969	2438.2945	PASS
	Ant1	2437.2	2.256	2436.0866	2438.3426	PASS
	Ant0	2464.2	2.188	2463.0995	2465.2879	PASS
	Ant1	2464.2	2.261	2463.0784	2465.3398	PASS

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Verdict
10 MHz	Ant0	2405.5	9.277	2400.8866	2410.1639	PASS
	Ant1	2405.5	9.253	2400.8932	2410.1463	PASS
	Ant0	2440.5	9.33	2435.8833	2445.2137	PASS
	Ant1	2440.5	9.24	2435.8867	2445.1271	PASS
	Ant0	2476.5	9.236	2471.8759	2481.1116	PASS
	Ant1	2476.5	9.239	2471.8815	2481.1204	PASS
20 MHz	Ant0	2410.5	17.894	2401.5576	2419.4519	PASS
	Ant1	2410.5	17.89	2401.5272	2419.4171	PASS
	Ant0	2441.5	17.963	2432.5172	2450.4802	PASS
	Ant1	2441.5	17.906	2432.5924	2450.4983	PASS
	Ant0	2472.5	17.908	2463.5058	2481.4136	PASS
	Ant1	2472.5	17.782	2463.5421	2481.3239	PASS
40 MHz	Ant0	2422.5	35.915	2404.5407	2440.4554	PASS
	Ant1	2422.5	35.903	2404.4104	2440.3132	PASS
	Ant0	2437.5	36.086	2419.3890	2455.4745	PASS
	Ant1	2437.5	35.98	2419.5153	2455.4958	PASS
	Ant0	2452.5	36.041	2434.5209	2470.5619	PASS
	Ant1	2452.5	35.783	2434.6281	2470.4113	PASS

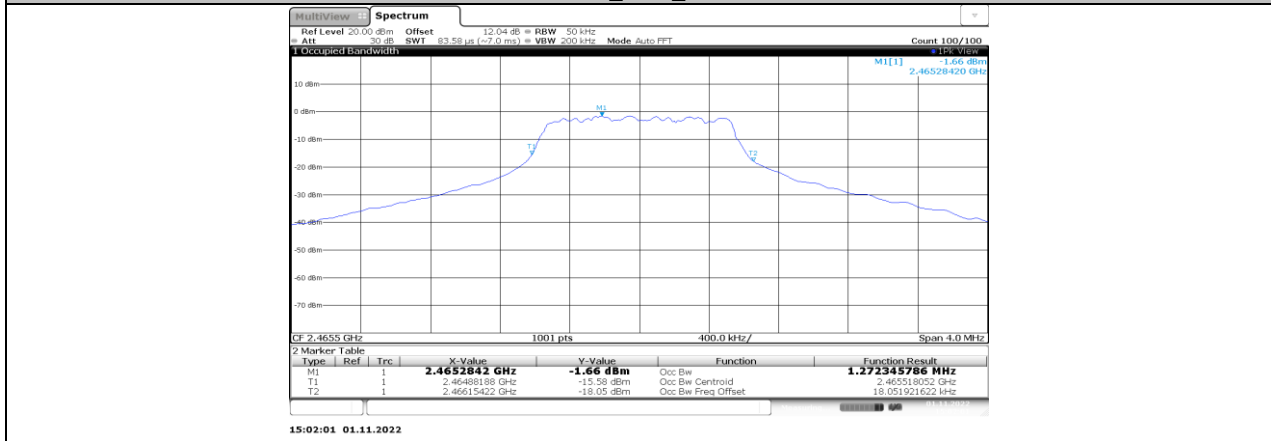


11.2.2. Test Graphs

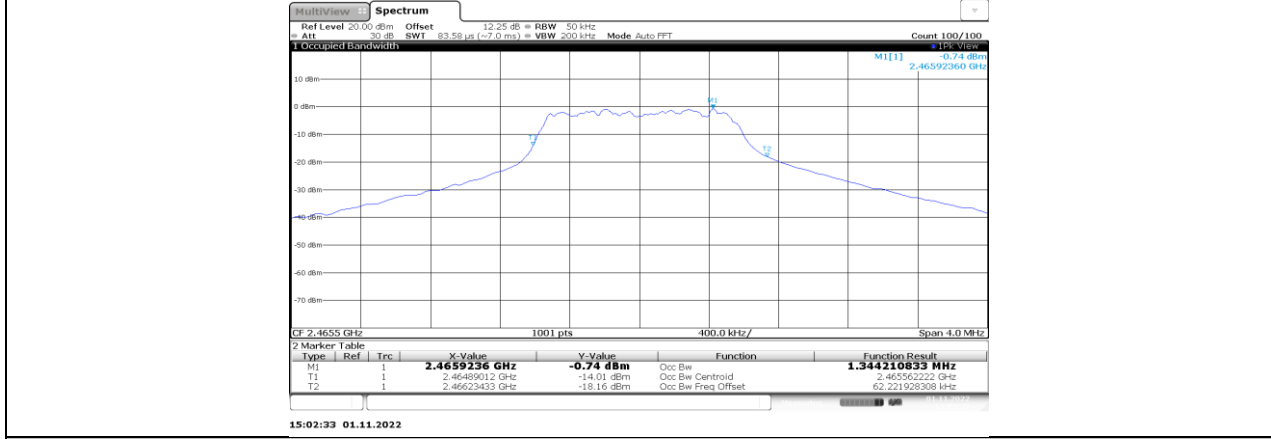




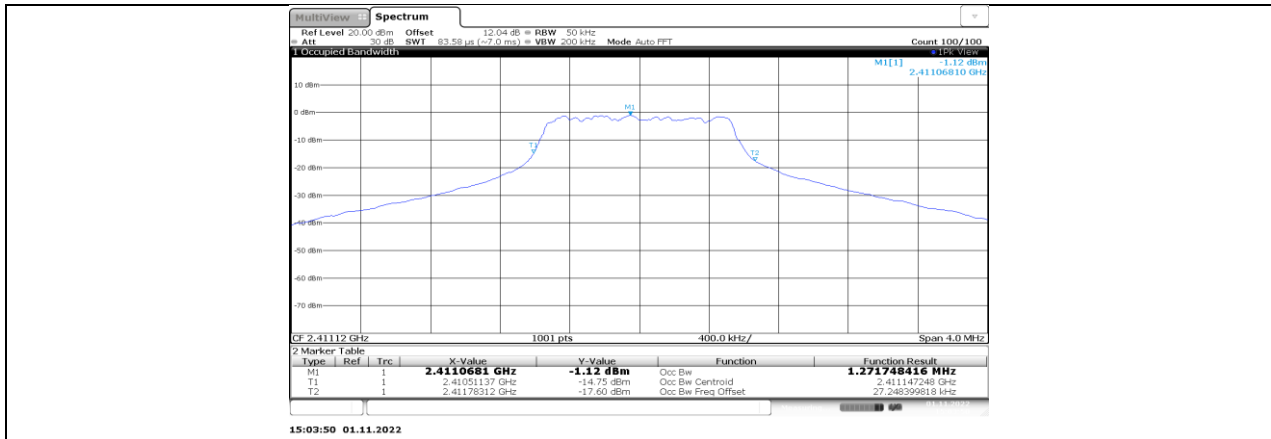
1.4 MHz_Ant1_2437.5



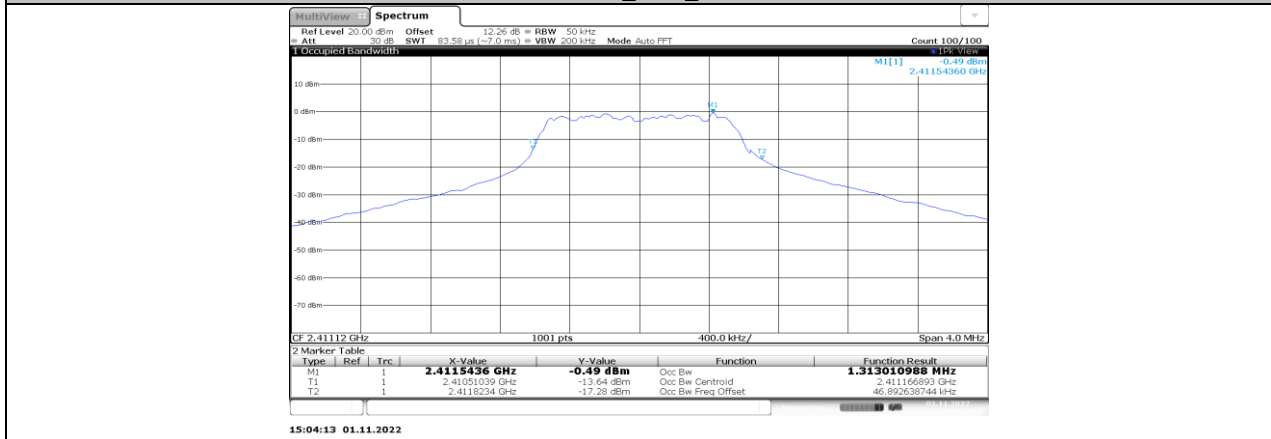
1.4 MHz_Ant0_2465.5



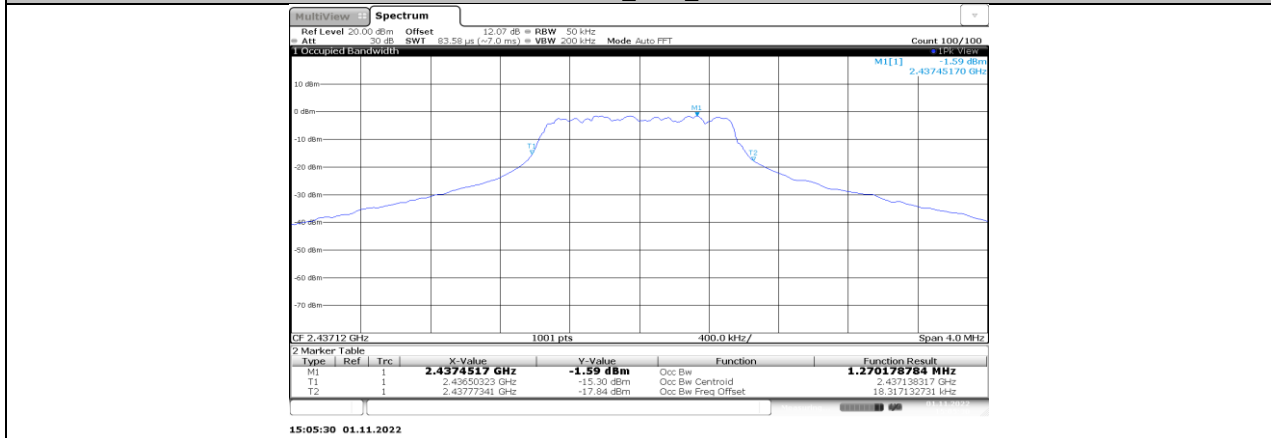
1.4 MHz_Ant1_2465.5



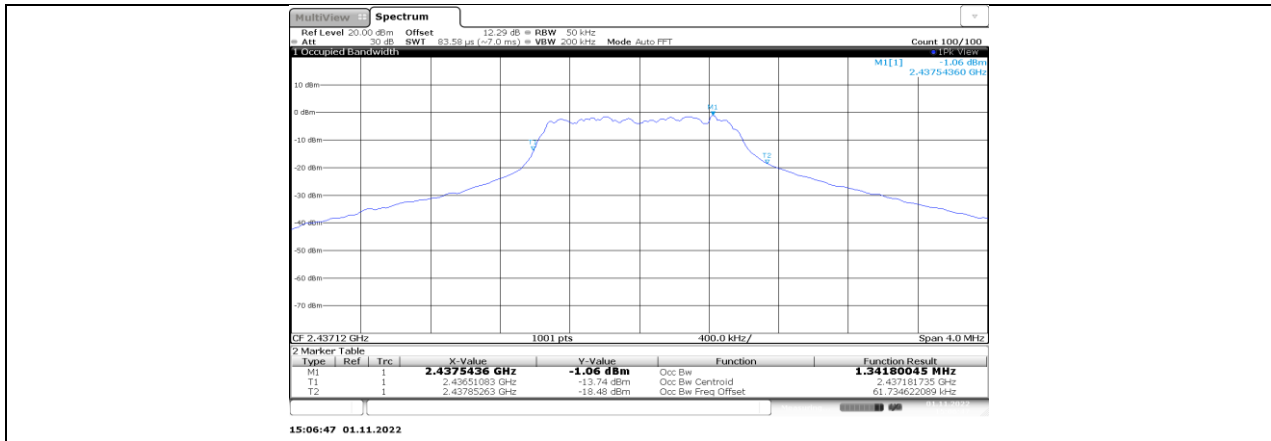
1.4 MHz CA_Ant0_2411.12



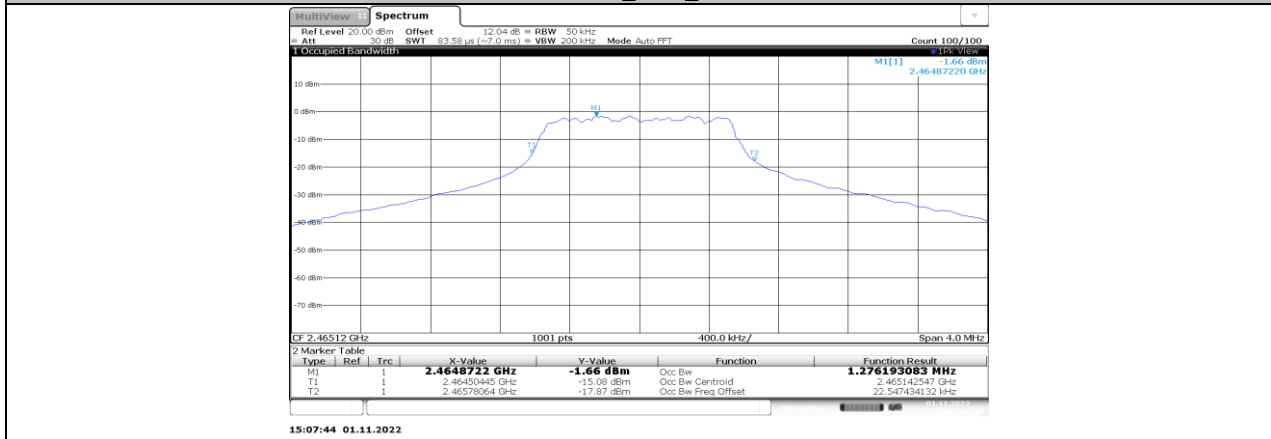
1.4 MHz CA_Ant1_2411.12



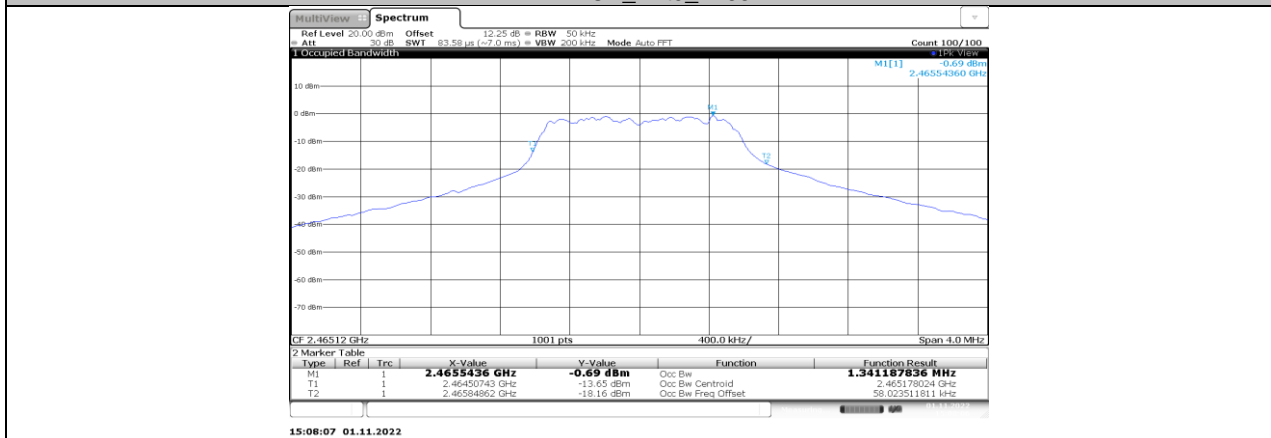
1.4 MHz CA_Ant0_2437.12



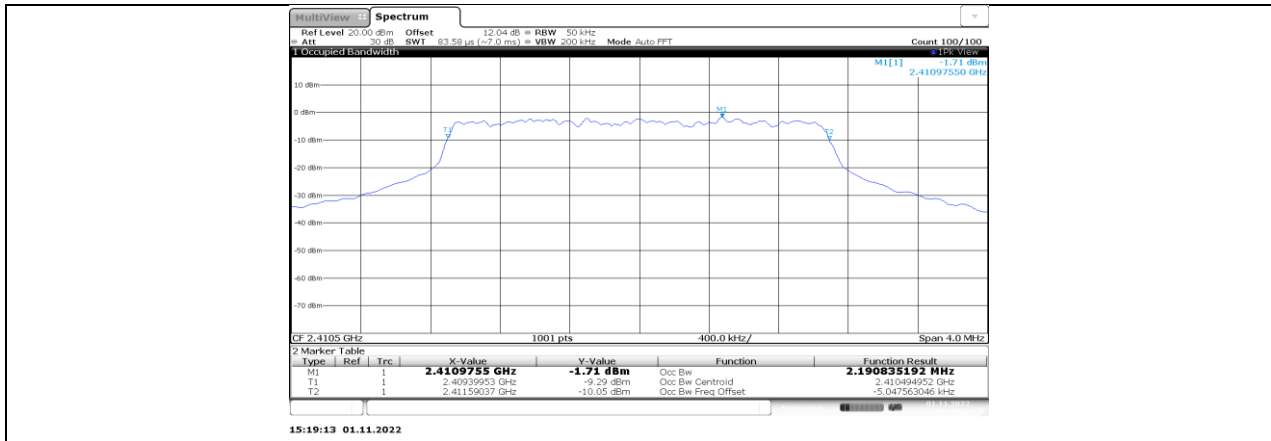
1.4 MHz CA_Ant1_2437.12



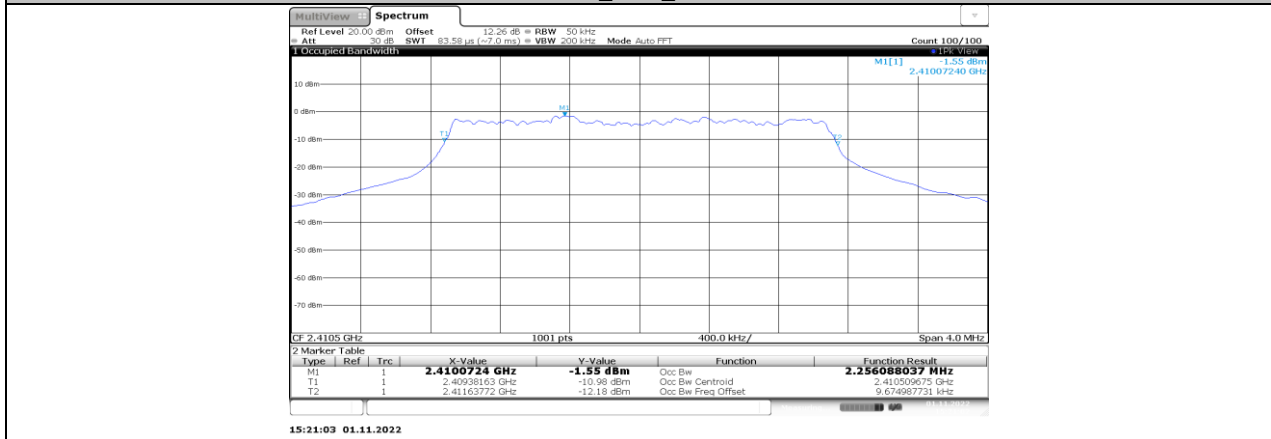
1.4 MHz CA_Ant0_2465.12



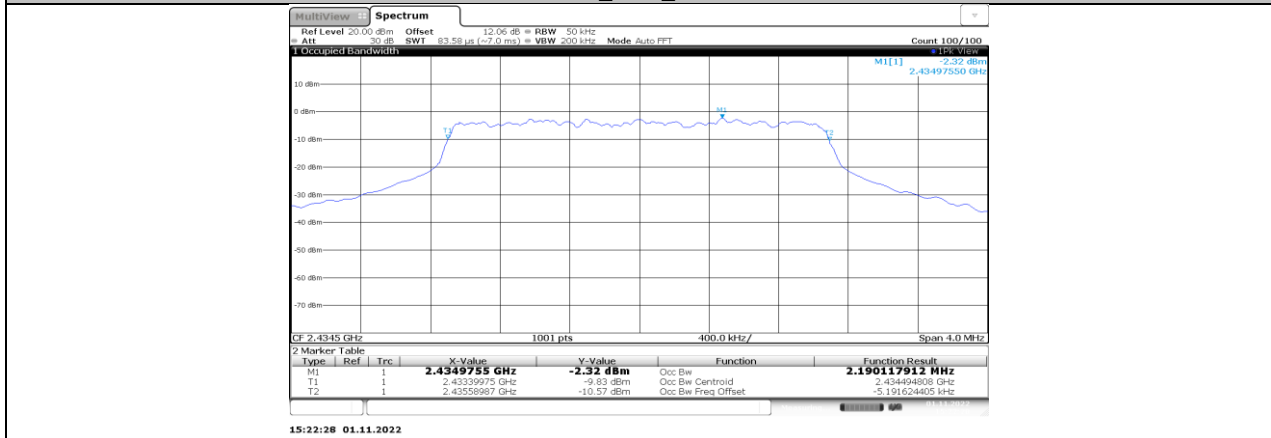
1.4 MHz CA_Ant1_2465.12



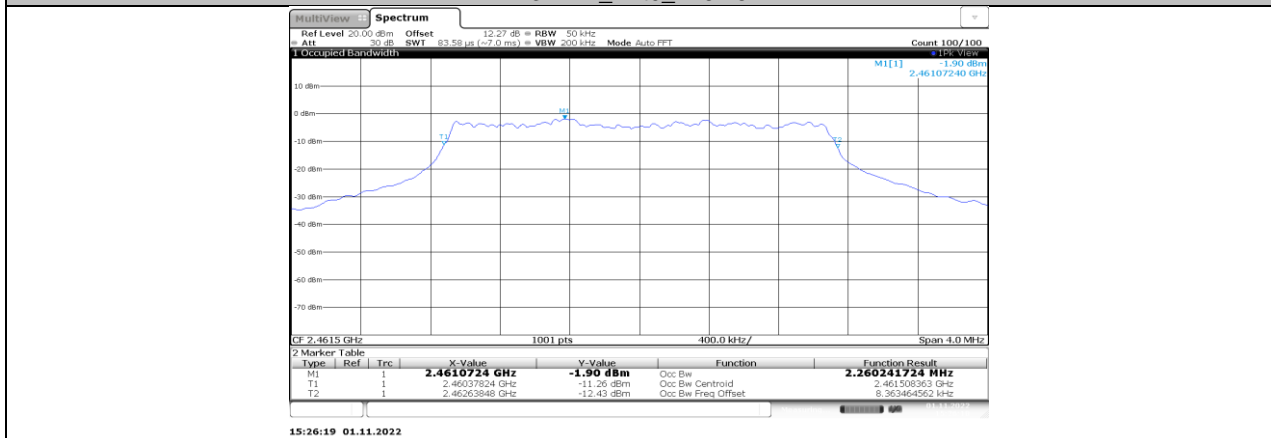
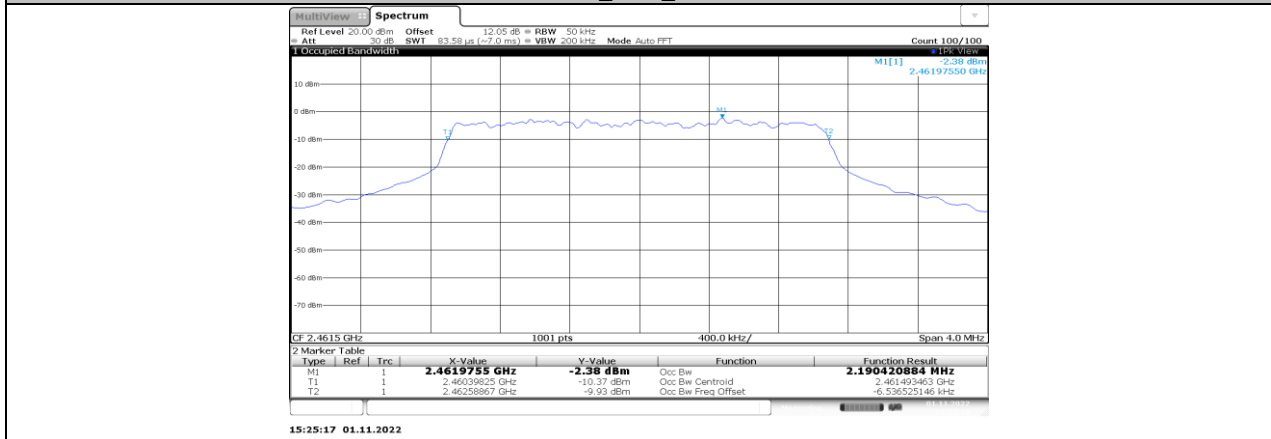
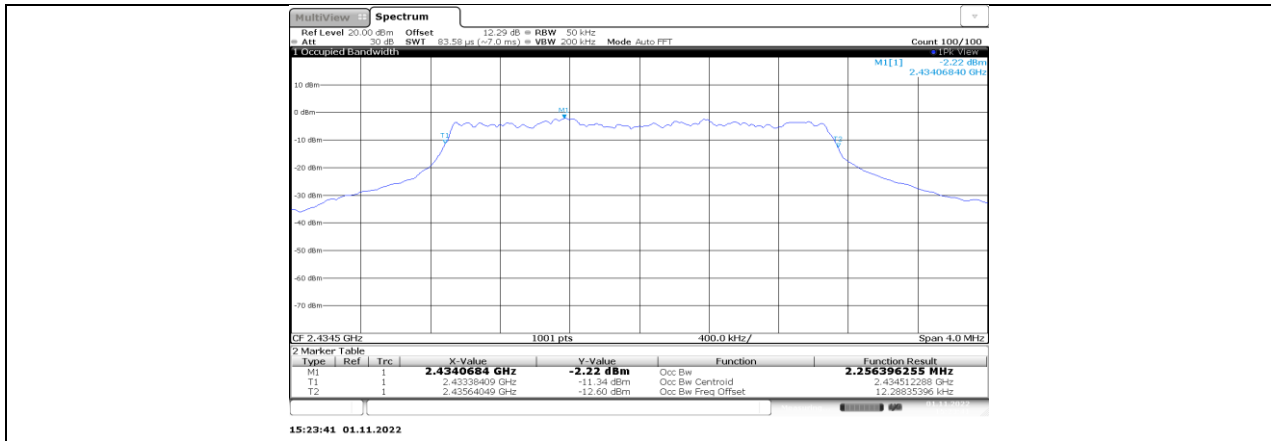
3 MHz_Ant0_2410.5

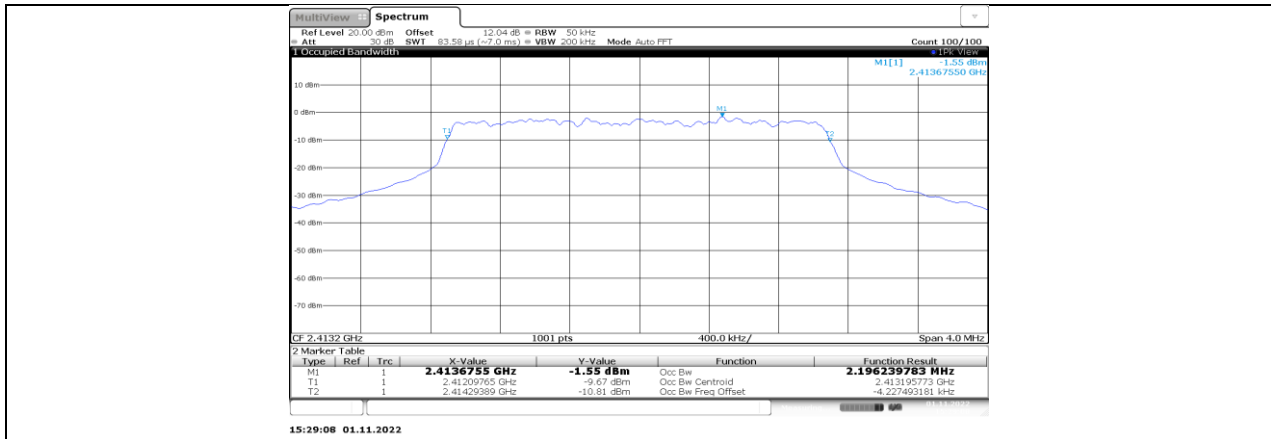


3 MHz_Ant1_2410.5

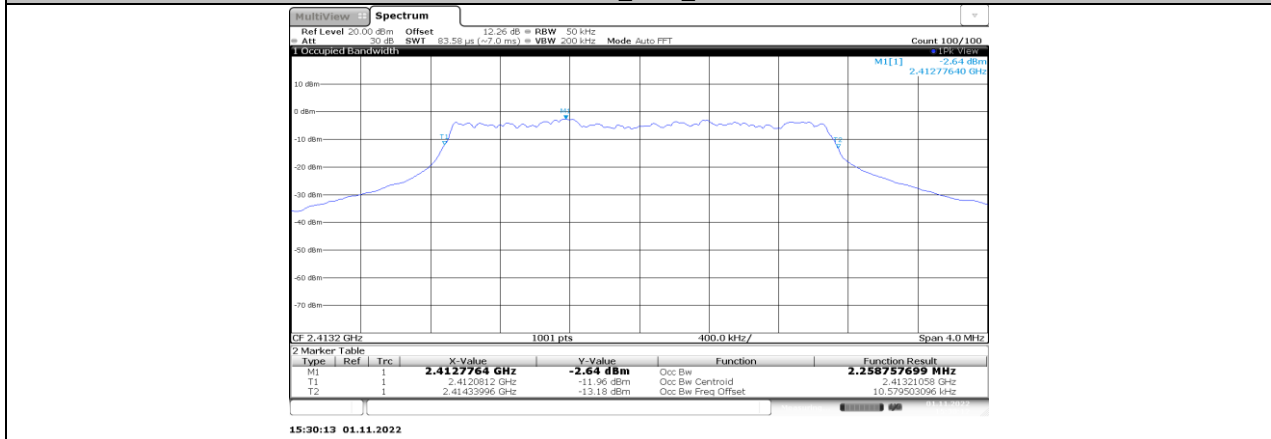


3 MHz_Ant0_2434.5

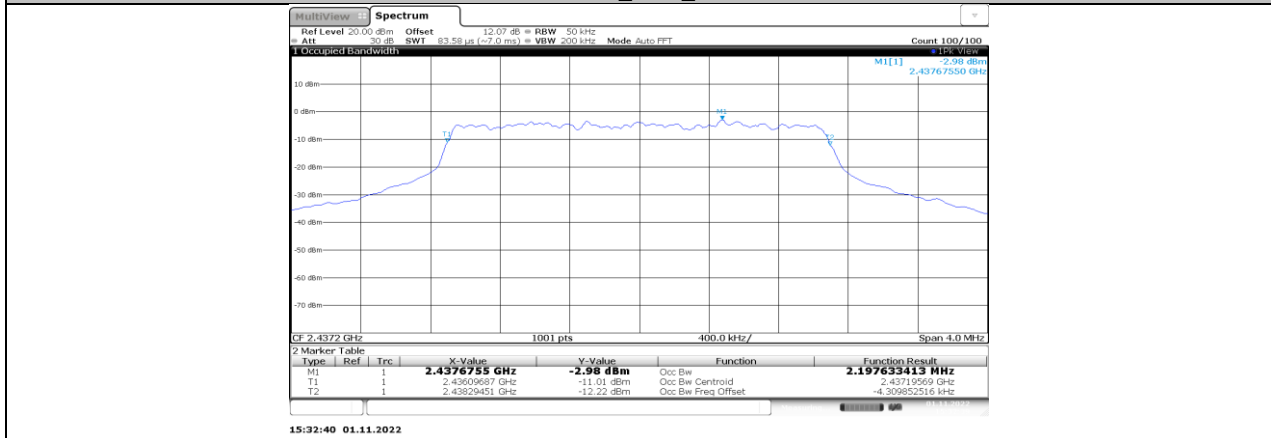




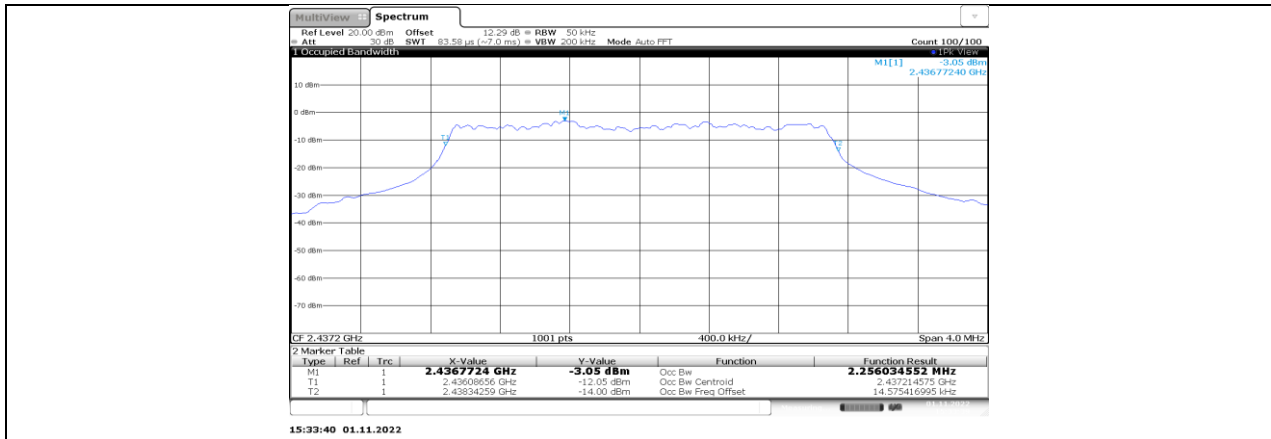
3 MHz CA_Ant0_2413.2



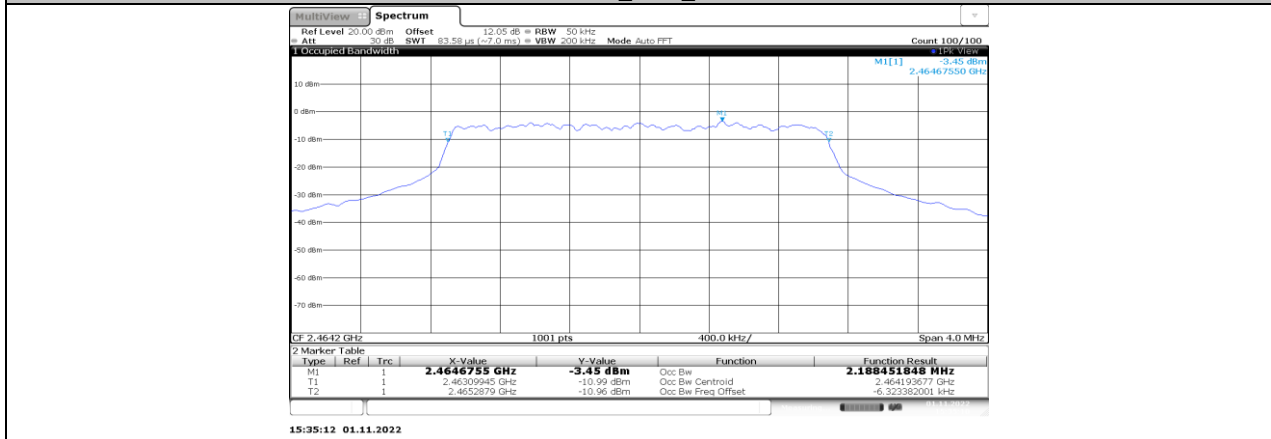
3 MHz CA_Ant1_2413.2



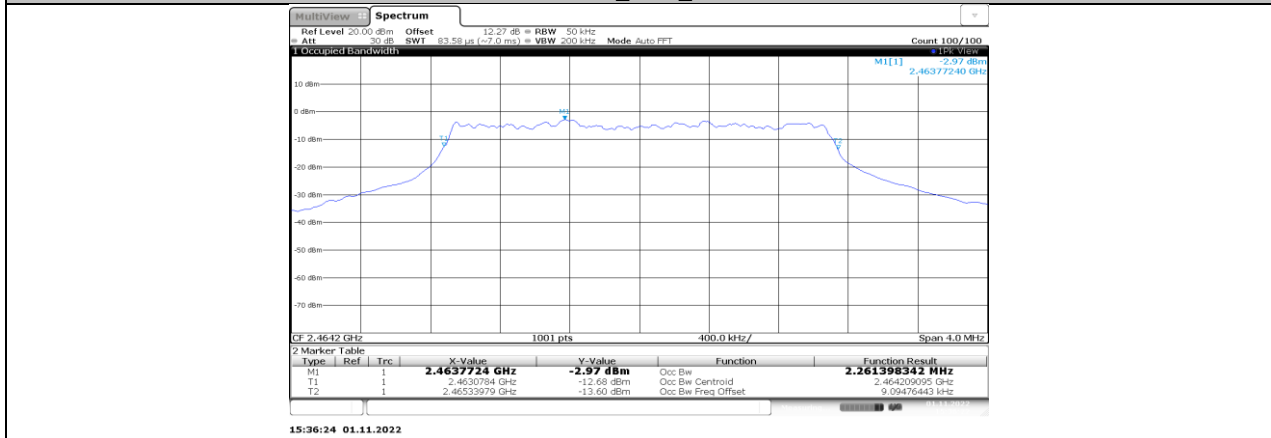
3 MHz CA_Ant0_2437.2



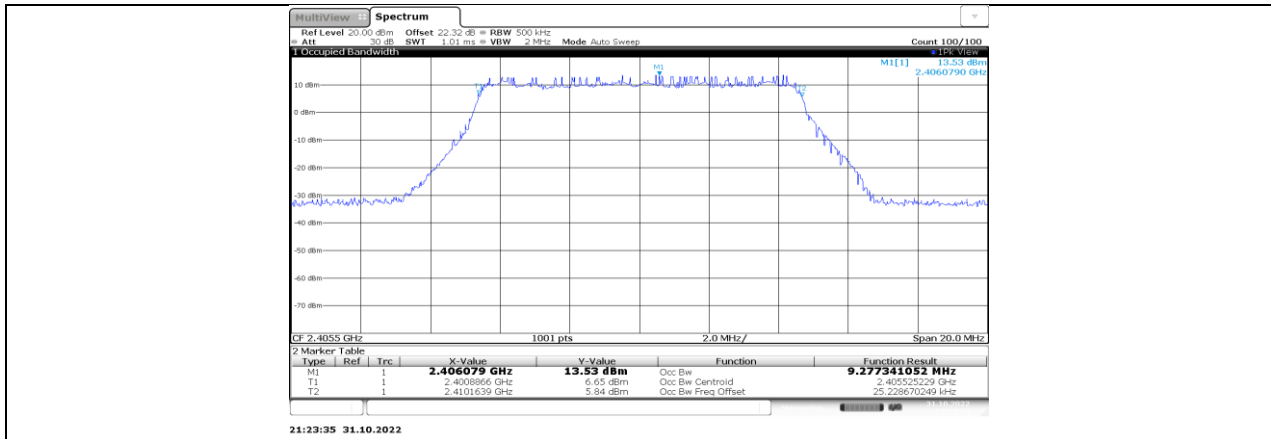
3 MHz CA_Ant1_2437.2



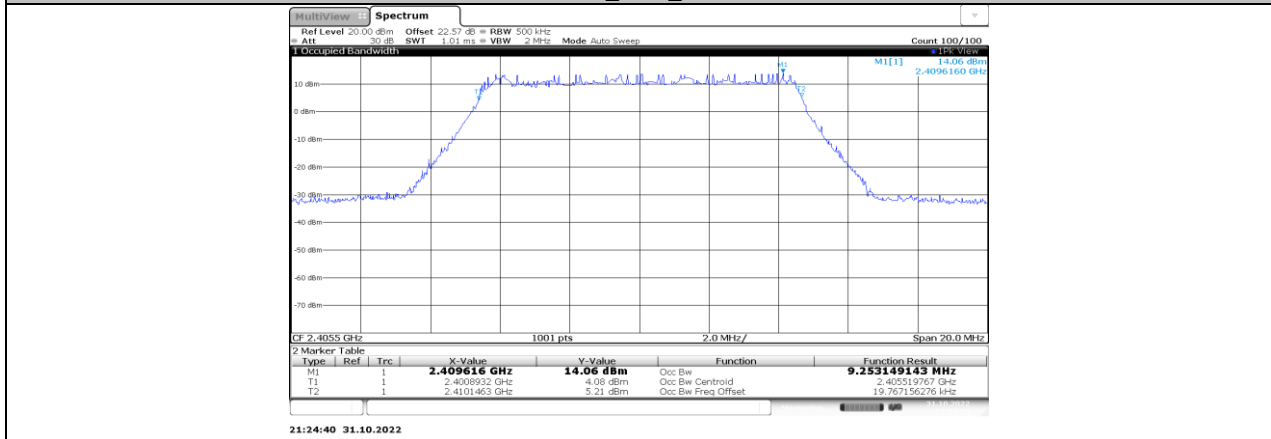
3MHz CA_Ant0_2464.2



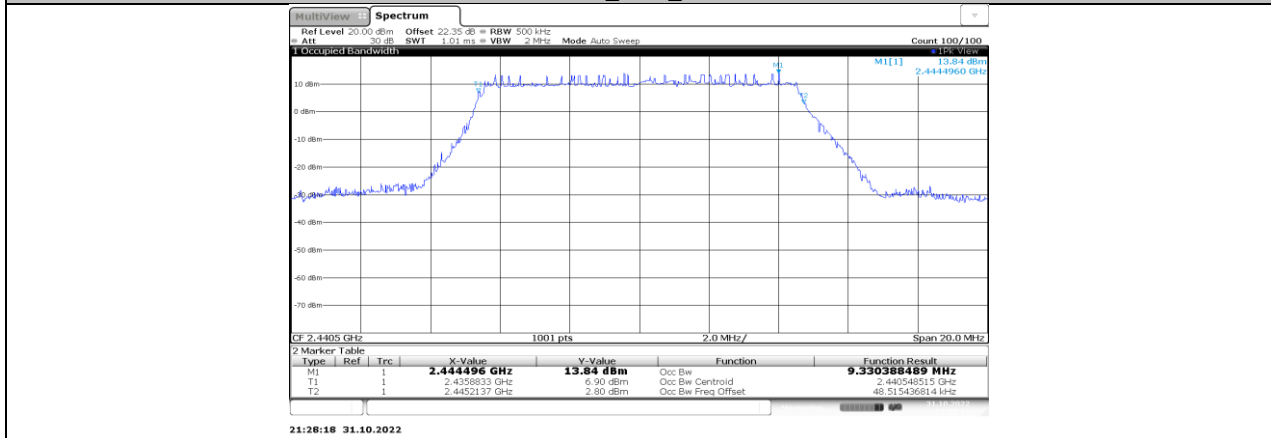
3 MHz CA_Ant1_2464.2



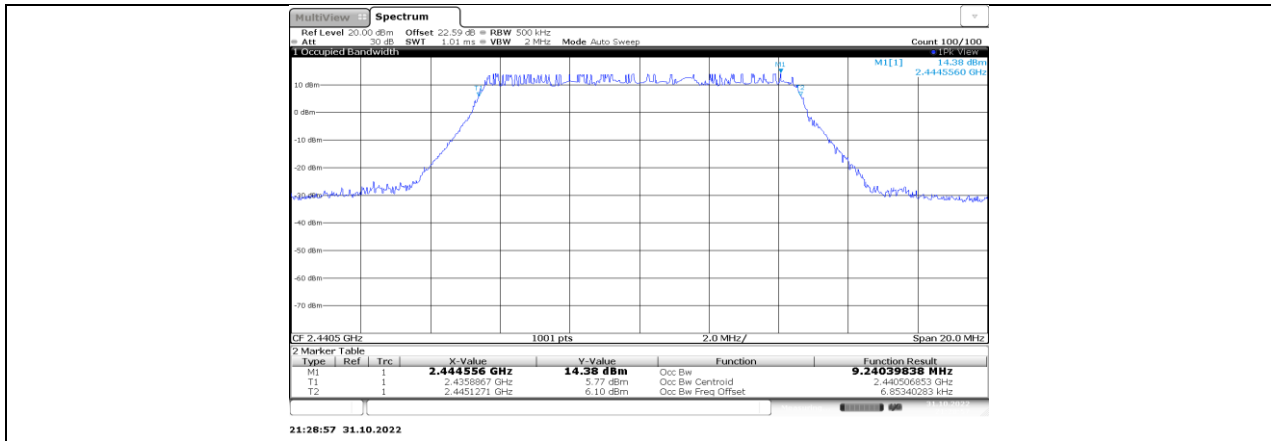
10 MHz_Ant0_2405.5



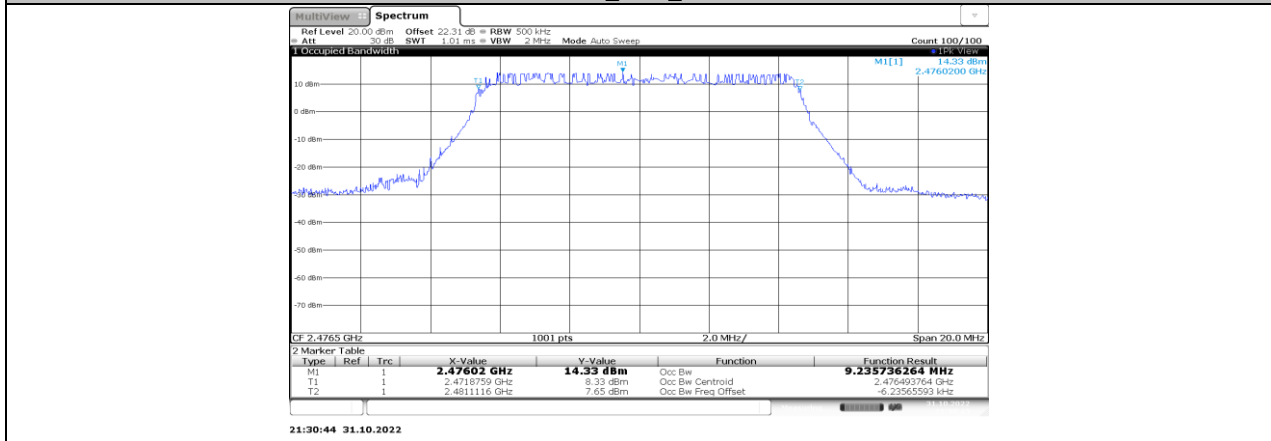
10 MHz_Ant1_2405.5



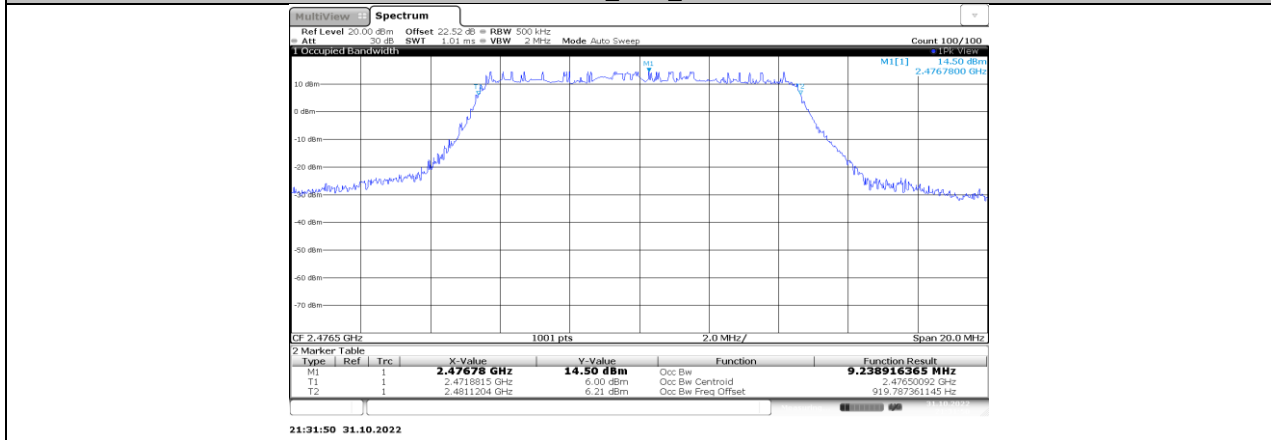
10 MHz_Ant0_2440.5



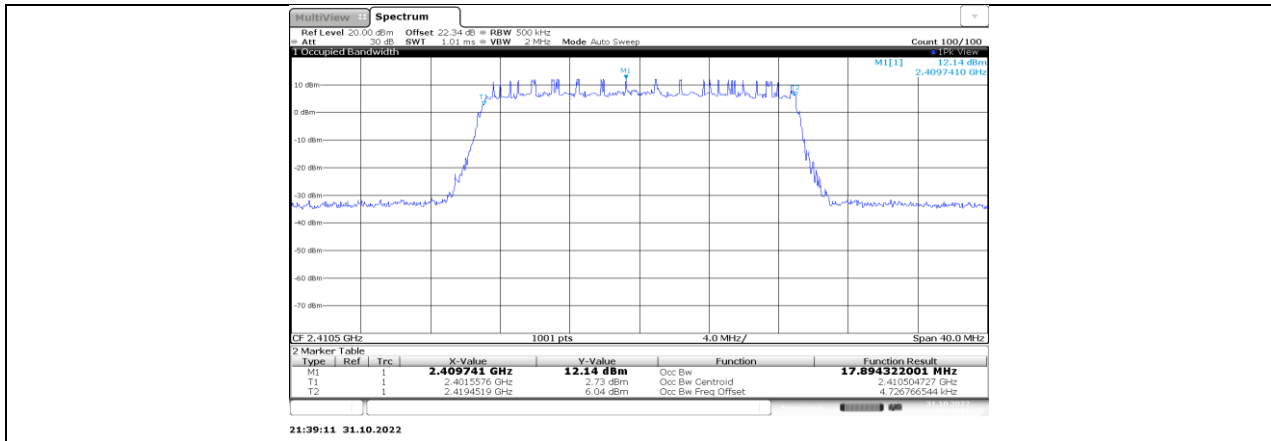
10 MHz_Ant1_2440.5



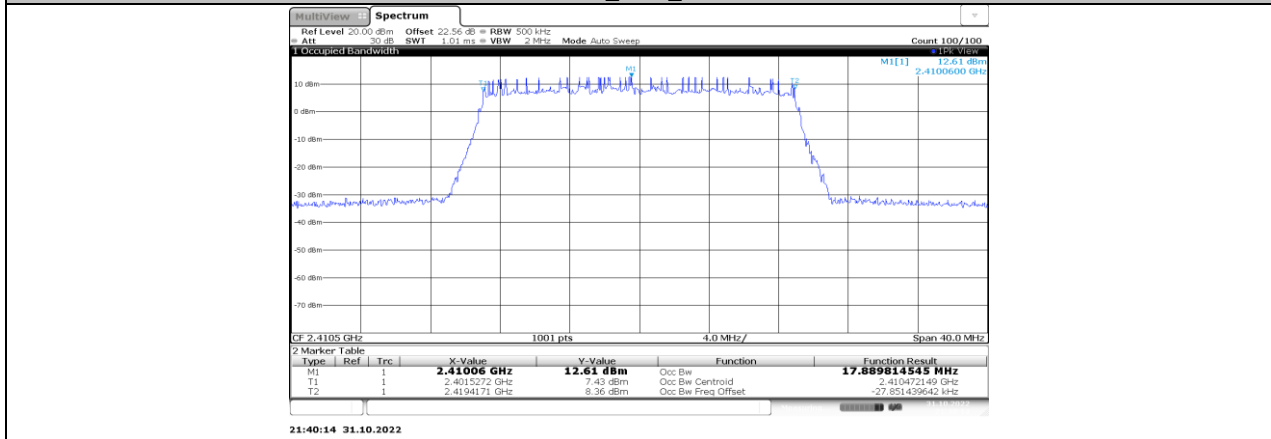
10 MHz_Ant0_2476.5



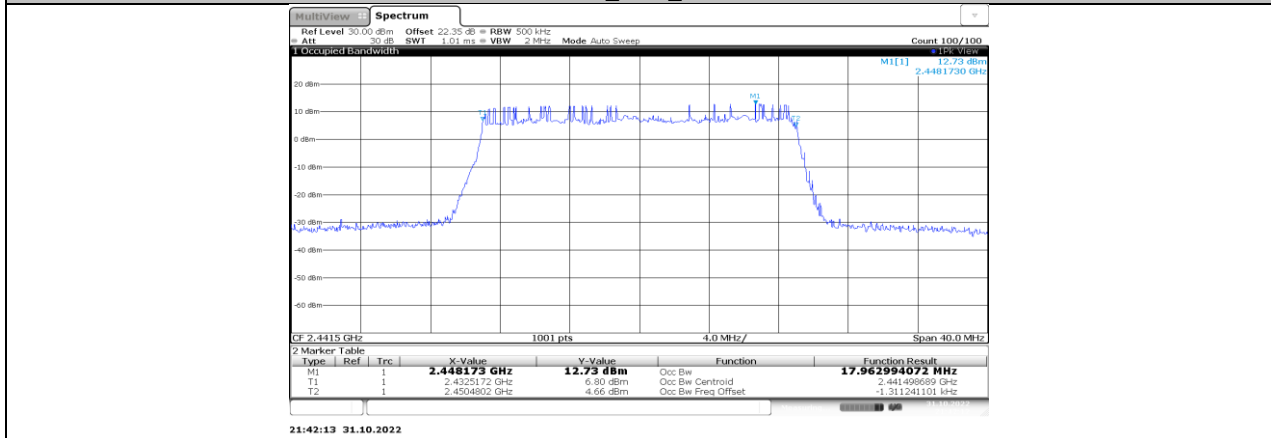
10 MHz_Ant1_2476.5



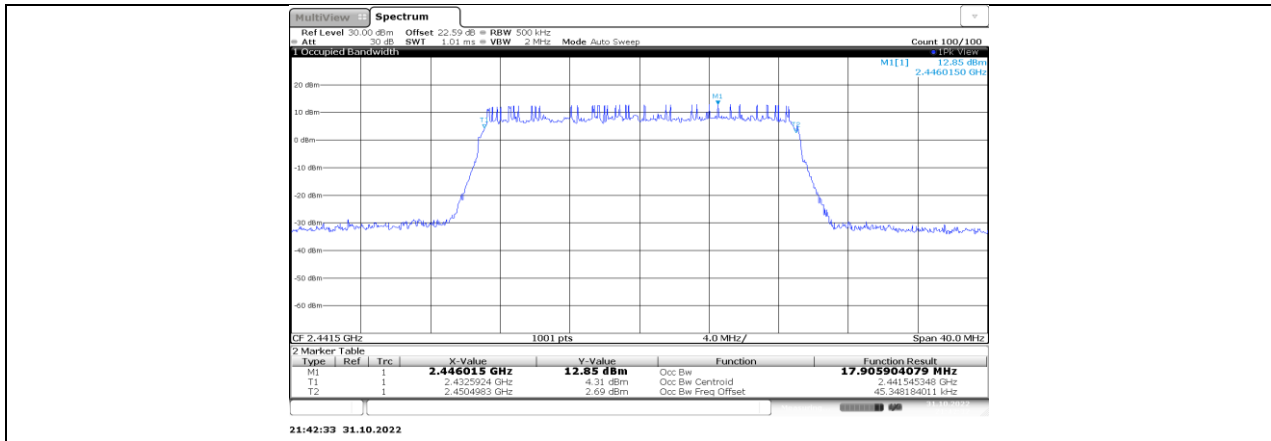
20 MHz_Ant0_2410.5



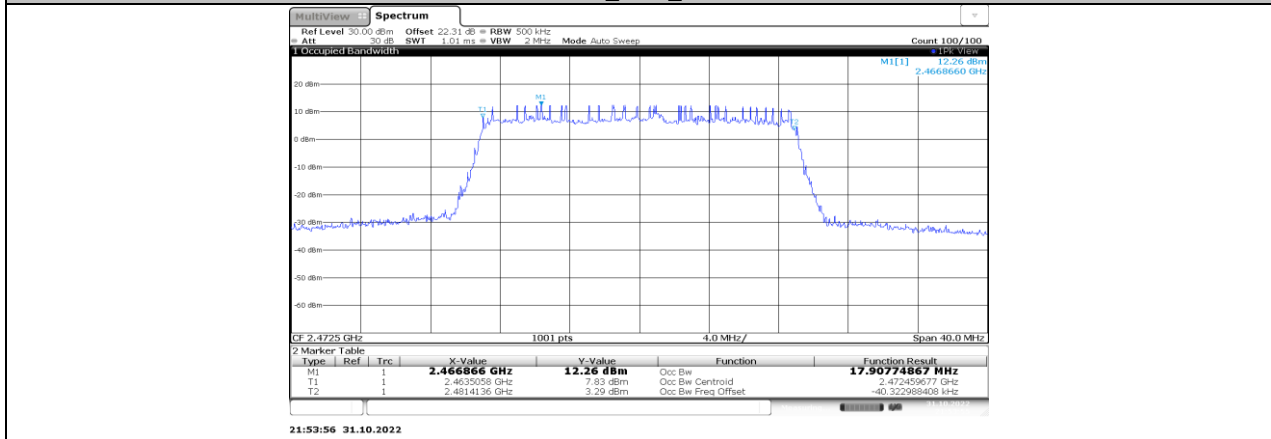
20 MHz_Ant1_2410.5



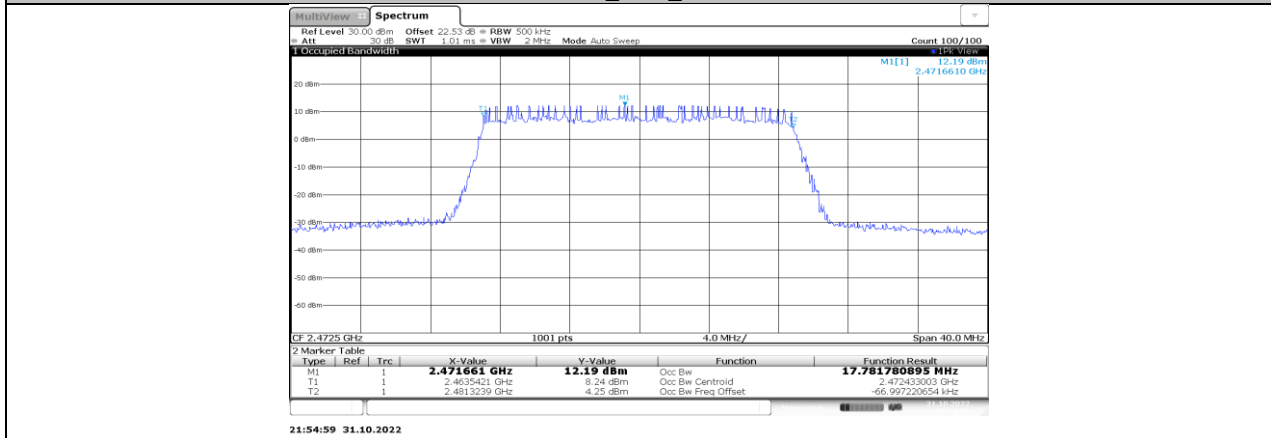
20 MHz_Ant0_2441.5



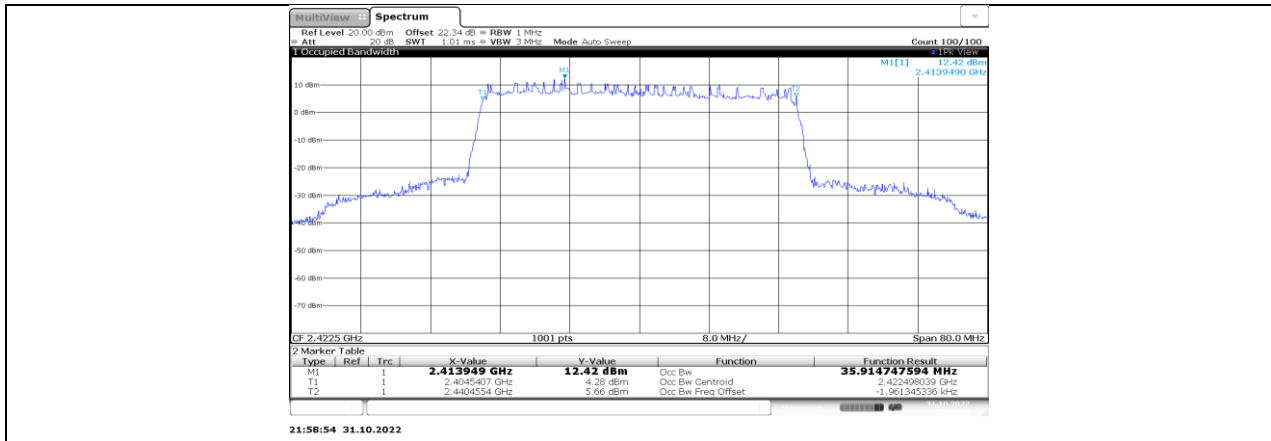
20 MHz_Ant1_2441.5



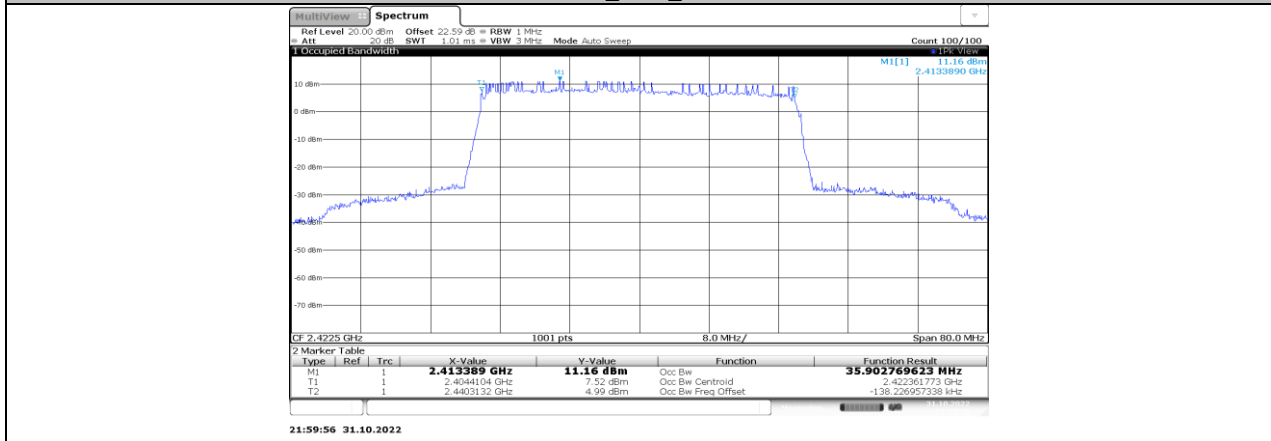
20 MHz_Ant0_2472.5



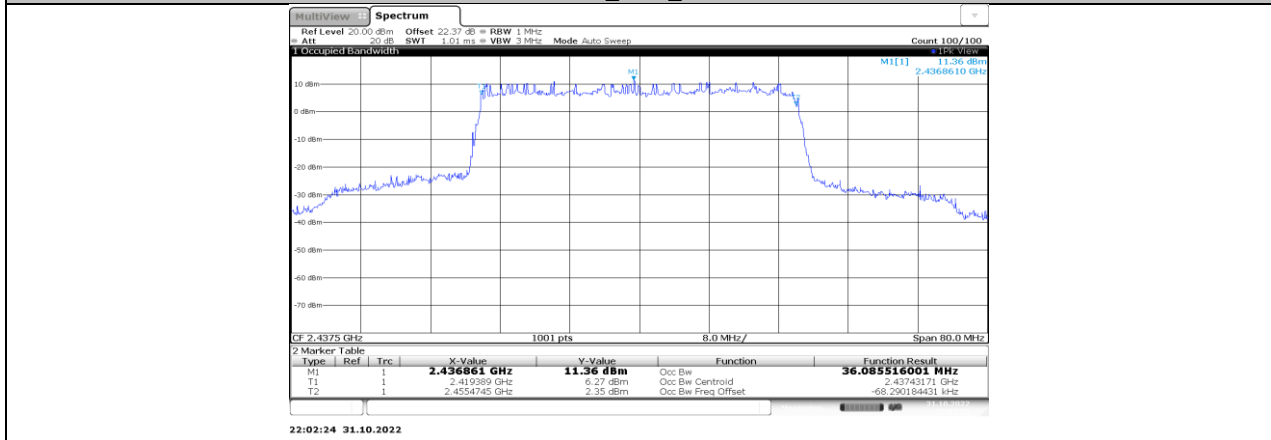
20 MHz_Ant1_2472.5



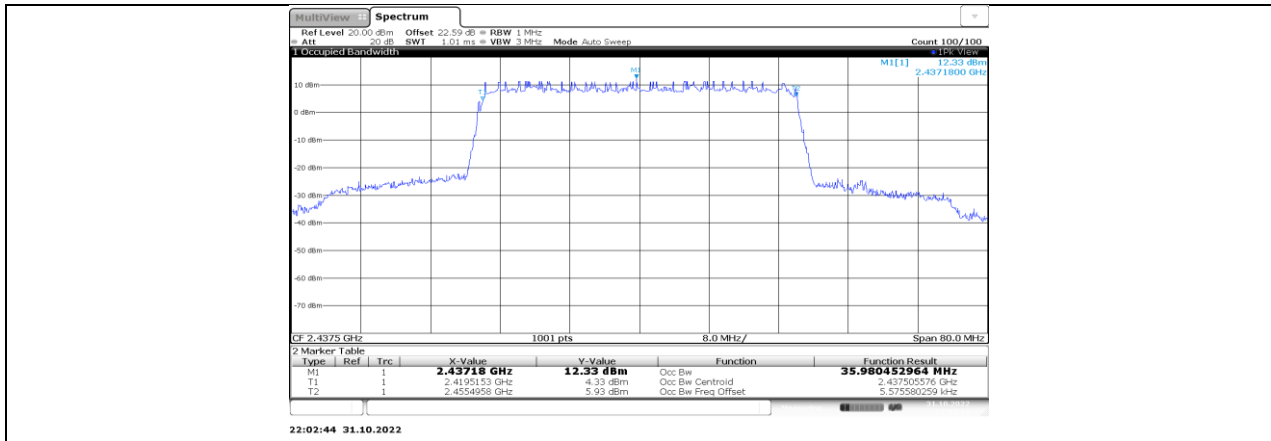
40 MHz_Ant0_2422.5



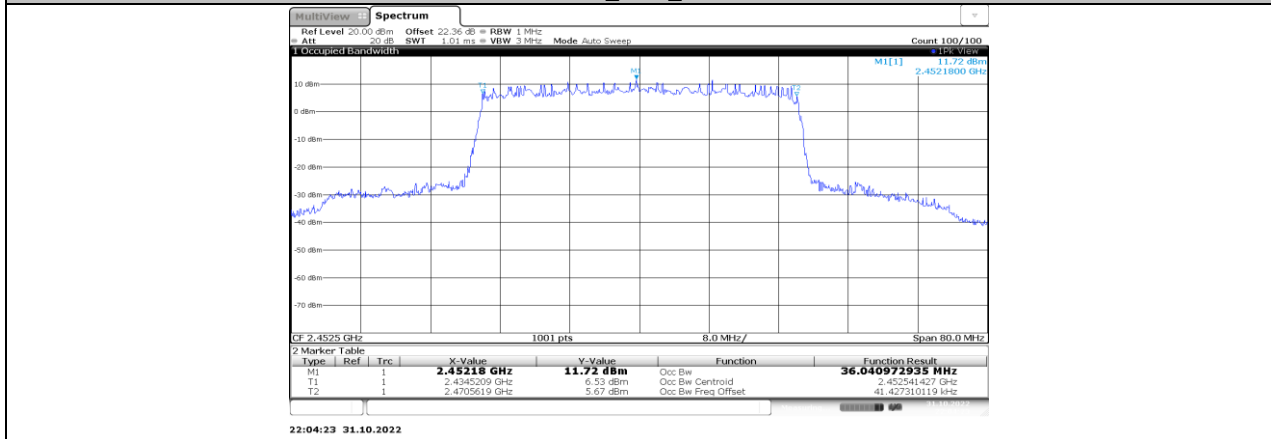
40 MHz_Ant1_2422.5



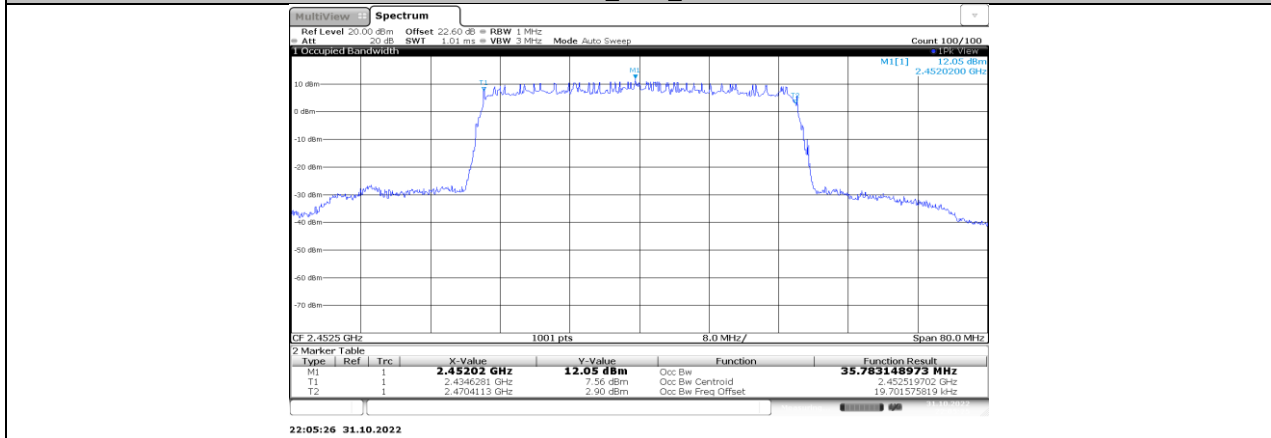
40 MHz_Ant0_2437.5



40 MHz_Ant1_2437.5



40 MHz_Ant0_2452.5



40 MHz_Ant1_2452.5

**11.3. APPENDIX C: MAXIMUM AVERAGE CONDUCTED OUTPUT POWER****11.3.1. Test Result**

Mode	Frequency (MHz)	Antenna	Average Conducted Output Power (dBm)		Limit (dBm)
			SISO	Total	
1.4 MHz	2409.5	0	22.03	25.65	30
		1	23.17		
	2437.5	0	20.55	24.58	30
		1	22.39		
	2465.5	0	21.32	24.83	30
		1	22.27		
1.4 MHz CA	2411.12	0	21.57	25.30	30
		1	22.90		
	2437.12	0	20.90	24.71	30
		1	22.37		
	2465.12	0	21.57	25.13	30
		1	22.61		
3 MHz	2410.5	0	23.42	26.27	30
		1	23.09		
	2434.5	0	22.43	25.51	30
		1	22.56		
	2461.5	0	23.18	26.03	30
		1	22.86		
3 MHz CA	2413.2	0	23.44	26.53	30
		1	23.59		
	2437.2	0	22.76	25.81	30
		1	22.83		
	2464.2	0	22.75	25.58	30
		1	22.39		
10 MHz	2405.5	0	12.38	15.80	30
		1	13.16		
	2440.5	0	12.75	16.16	30
		1	13.51		
	2476.5	0	13.14	16.61	30
		1	14.02		
20 MHz	2410.5	0	12.42	15.79	30
		1	13.11		
	2441.5	0	12.89	16.18	30
		1	13.44		
	2472.5	0	12.64	15.74	30
		1	12.81		
40 MHz	2422.5	0	12.40	15.69	30
		1	12.94		
	2437.5	0	12.60	16.16	30
		1	13.63		
	2452.5	0	12.35	15.52	30
		1	12.67		



11.4. APPENDIX D: MAXIMUM POWER SPECTRAL DENSITY

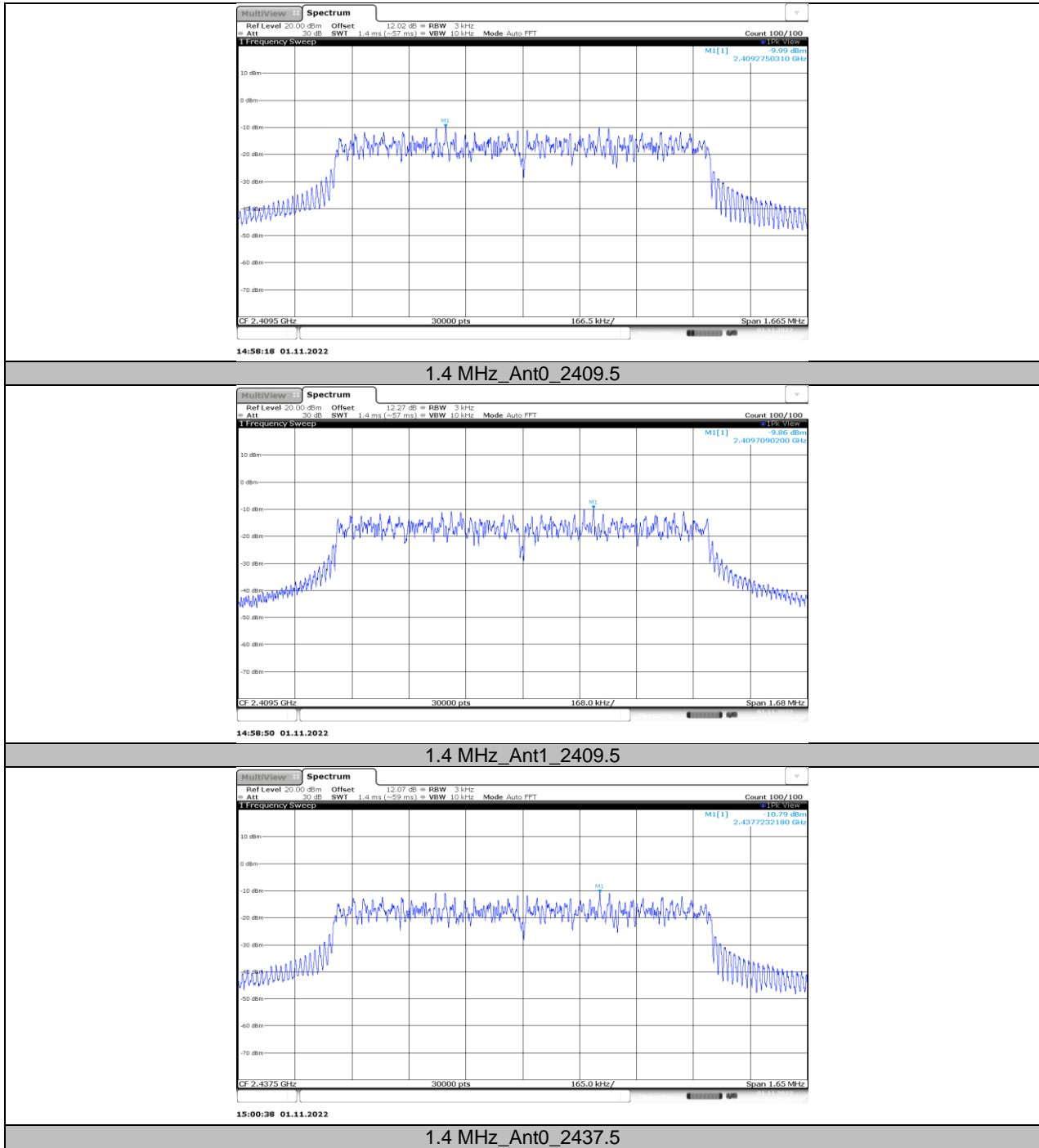
11.4.1. Test Result

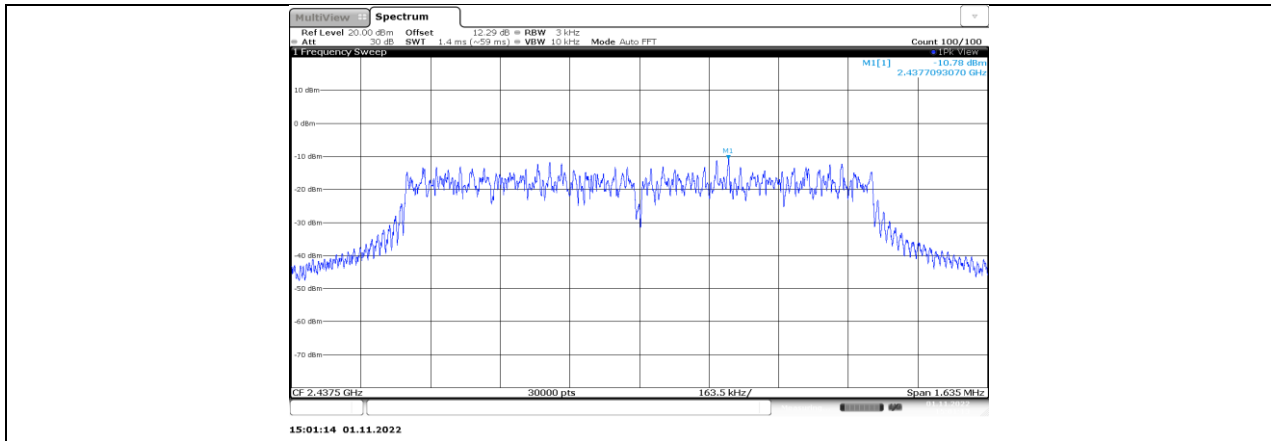
Mode	Frequency (MHz)	Antenna	PSD (dBm/3 kHz)		Limit (dBm/3 kHz)
			SISO	Total	
1.4 MHz	2409.5	0	0.16	3.18	8
		1	0.17		
	2437.5	0	-0.34	3.02	8
		1	0.34		
	2465.5	0	0.11	3.46	8
		1	0.76		
1.4 MHz CA	2411.12	0	0.18	3.10	8
		1	-0.01		
	2437.12	0	-0.06	3.29	8
		1	0.6		
	2465.12	0	0.22	3.55	8
		1	0.83		
3 MHz	2410.5	0	-2.94	0.12	8
		1	-2.84		
	2434.5	0	-4.02	-0.44	8
		1	-2.95		
	2461.5	0	-3.91	-0.21	8
		1	-2.63		
3 MHz CA	2413.2	0	-4.01	-0.89	8
		1	-3.8		
	2437.2	0	-3.95	-0.34	8
		1	-2.82		
	2464.2	0	-3.73	-0.19	8
		1	-2.73		
10 MHz	2405.5	0	0.94	4.08	8
		1	1.19		
	2440.5	0	0.91	4.35	8
		1	1.73		
	2476.5	0	1.01	4.50	8
		1	1.92		
20 MHz	2410.5	0	-16.99	-15.03	8
		1	-19.43		
	2441.5	0	-18.29	-15.65	8
		1	-19.06		
	2472.5	0	-19.18	-16.78	8
		1	-20.5		
40 MHz	2422.5	0	-16.43	-15.34	8
		1	-21.89		
	2437.5	0	-15.35	-14.62	8
		1	-22.74		
	2452.5	0	-16.28	-15.57	8
		1	-23.79		

Note: For 1.4 MHz, 1.4 MHz CA mode, 3 MHz, 3 MHz CA mode, peak detector was used, and the peak test results was the worst case data recorded in the report.

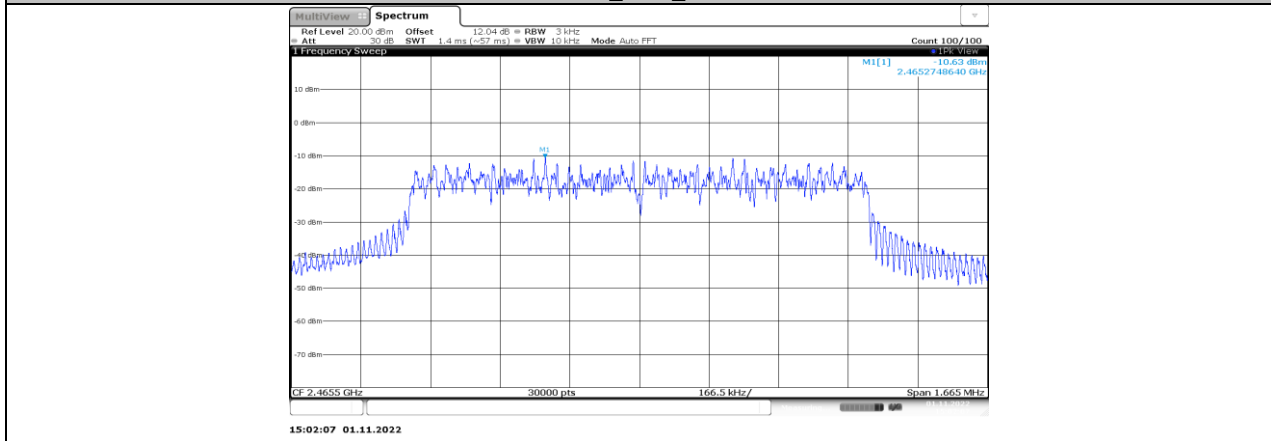


11.4.2. Test Graphs

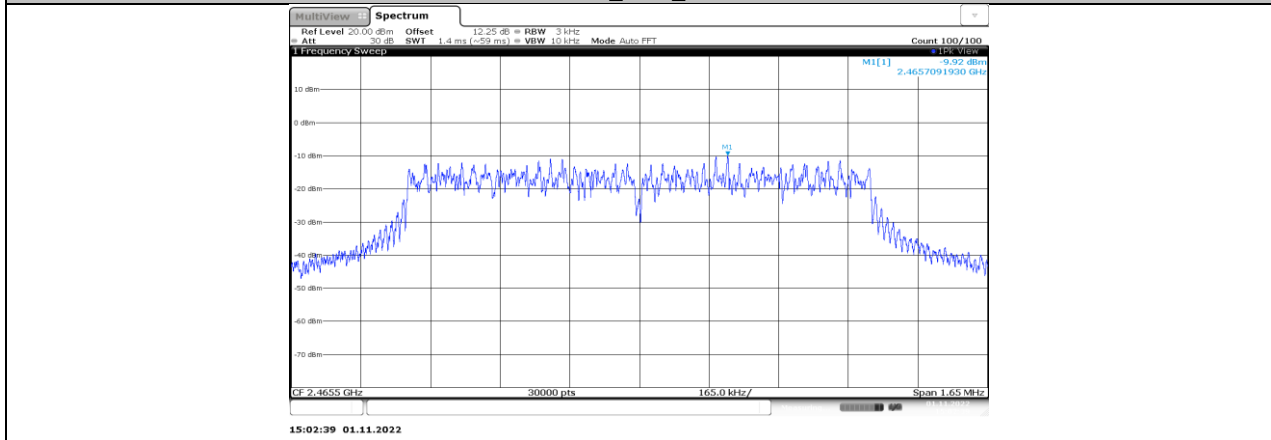




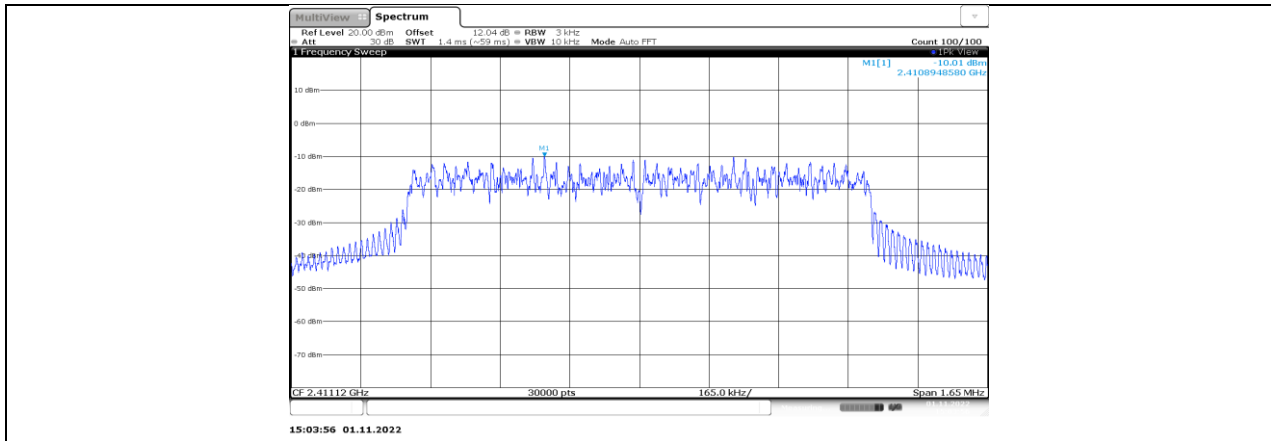
1.4 MHz_Ant1_2437.5



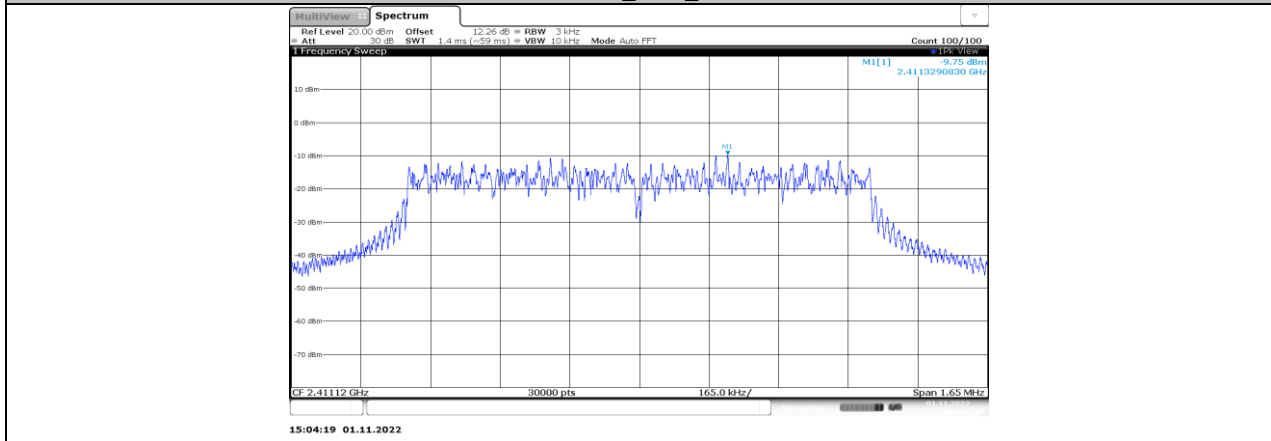
1.4 MHz_Ant0_2465.5



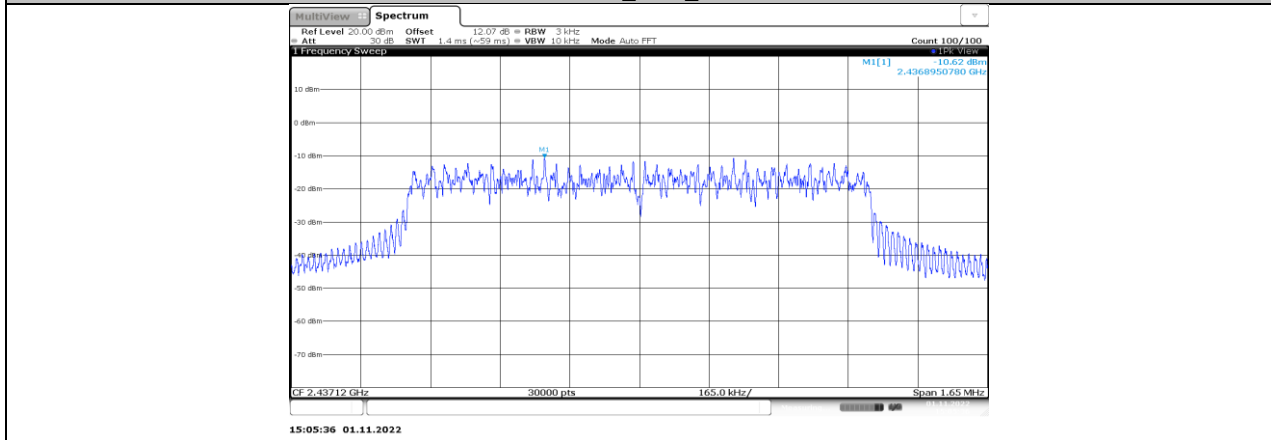
1.4 MHz_Ant1_2465.5



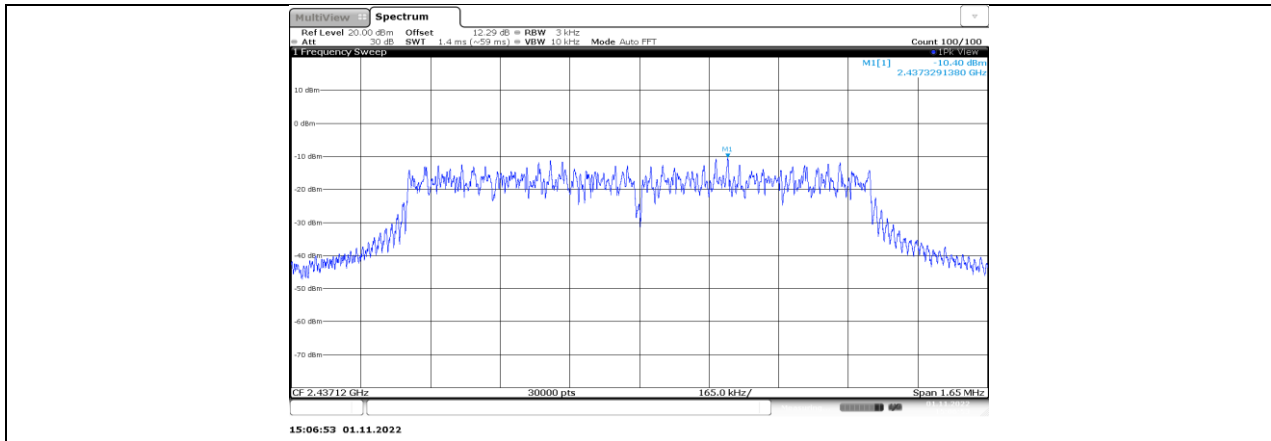
1.4 MHz CA_Ant0_2411.12



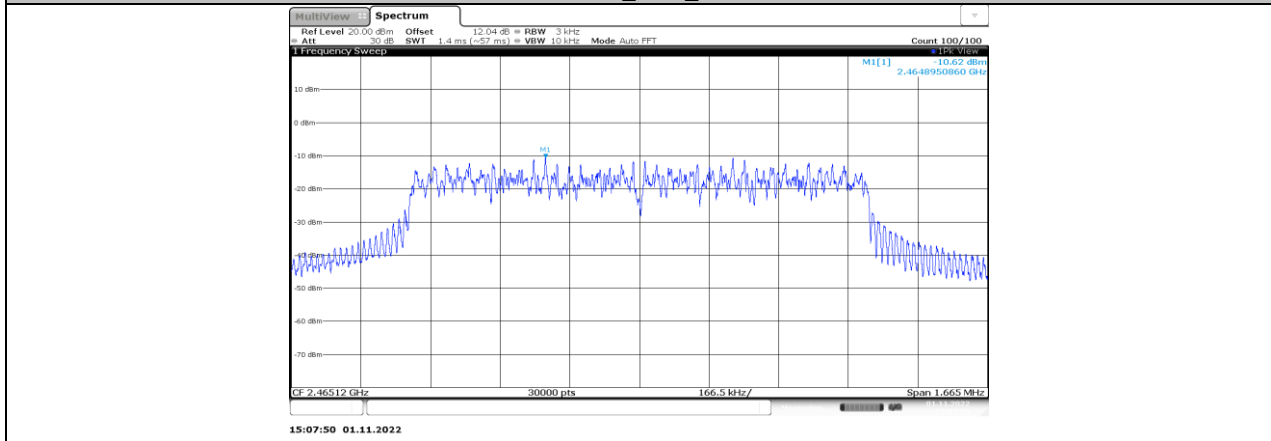
1.4 MHz CA_Ant1_2411.12



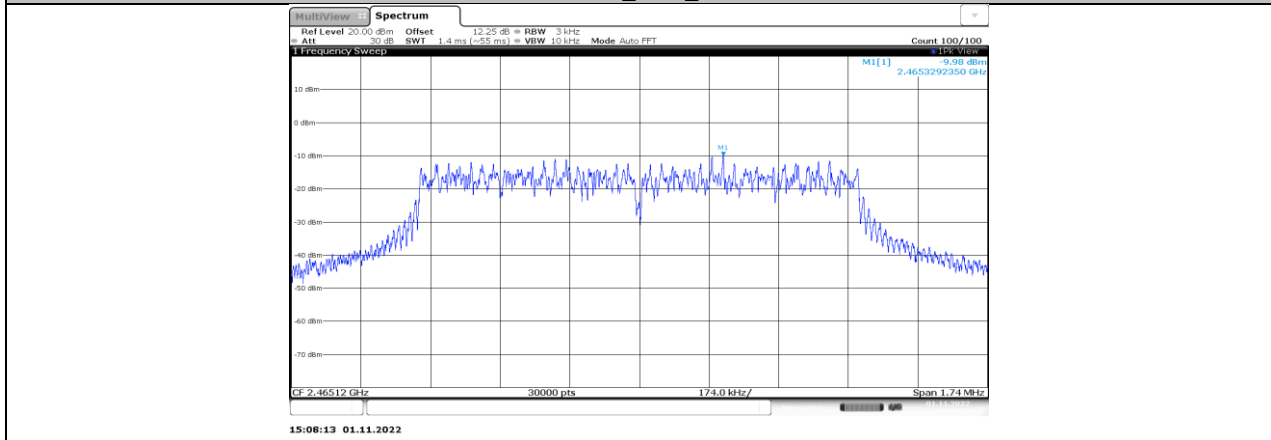
1.4 MHz CA_Ant0_2437.12



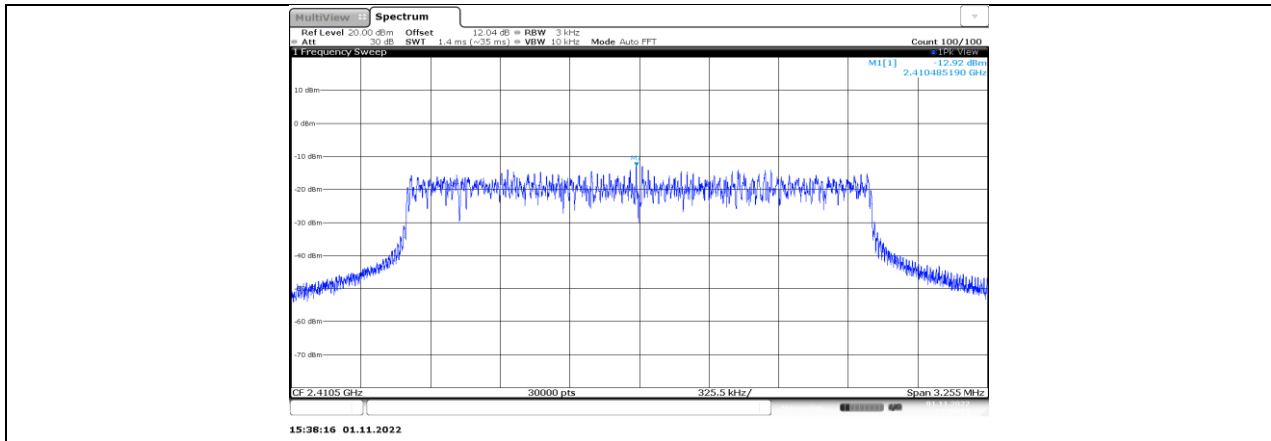
1.4 MHz CA_Ant1_2437.12



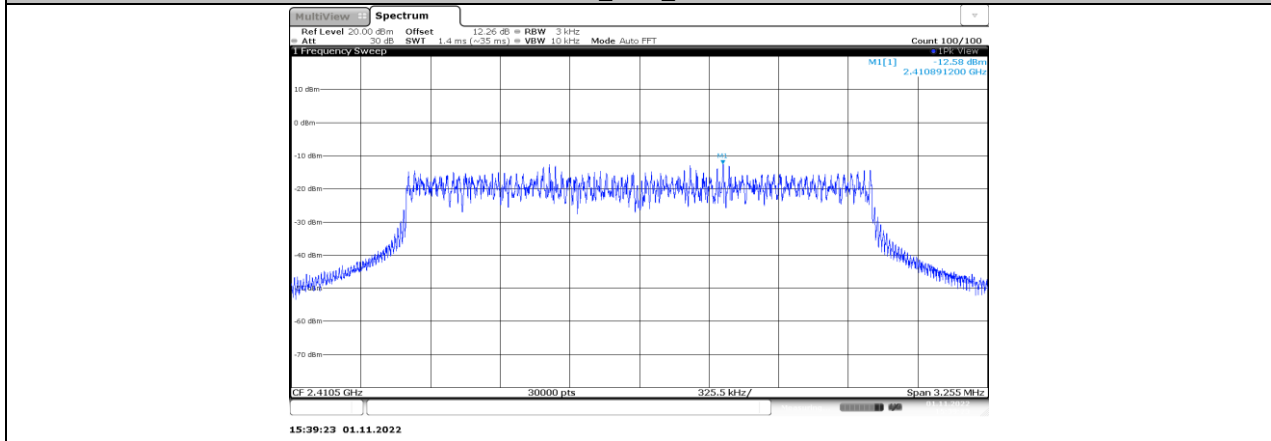
1.4 MHz CA_Ant0_2465.12



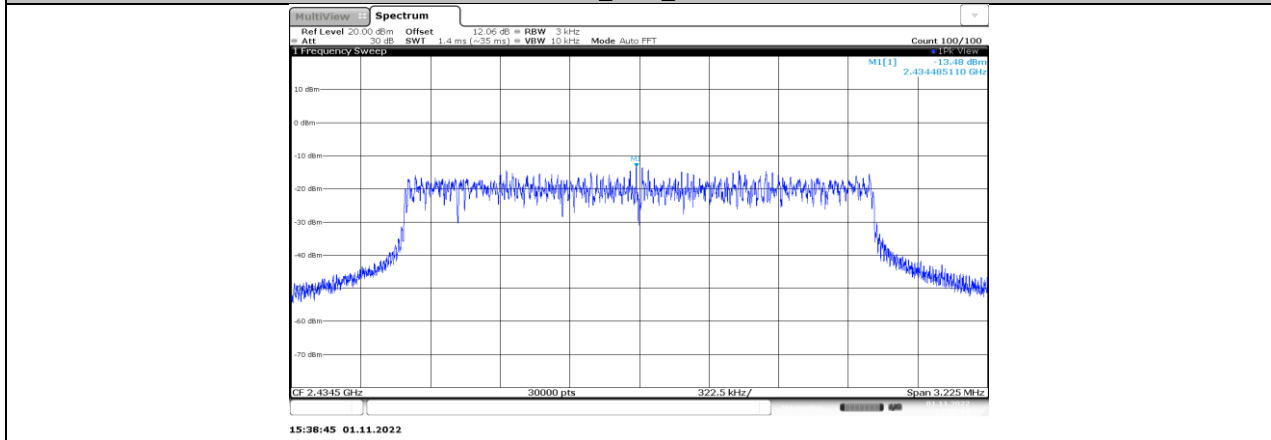
1.4 MHz CA_Ant1_2465.12



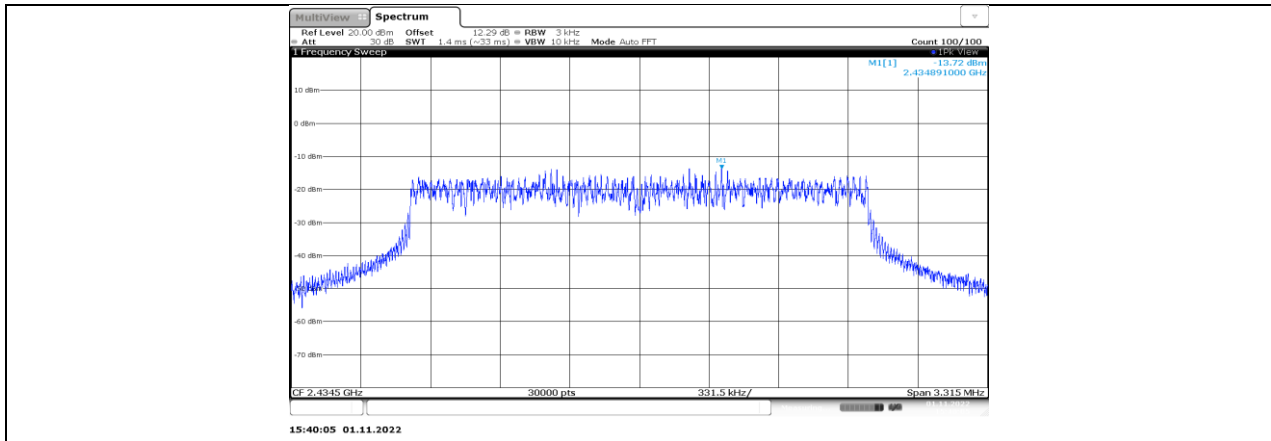
3 MHz_Ant0_2410.5



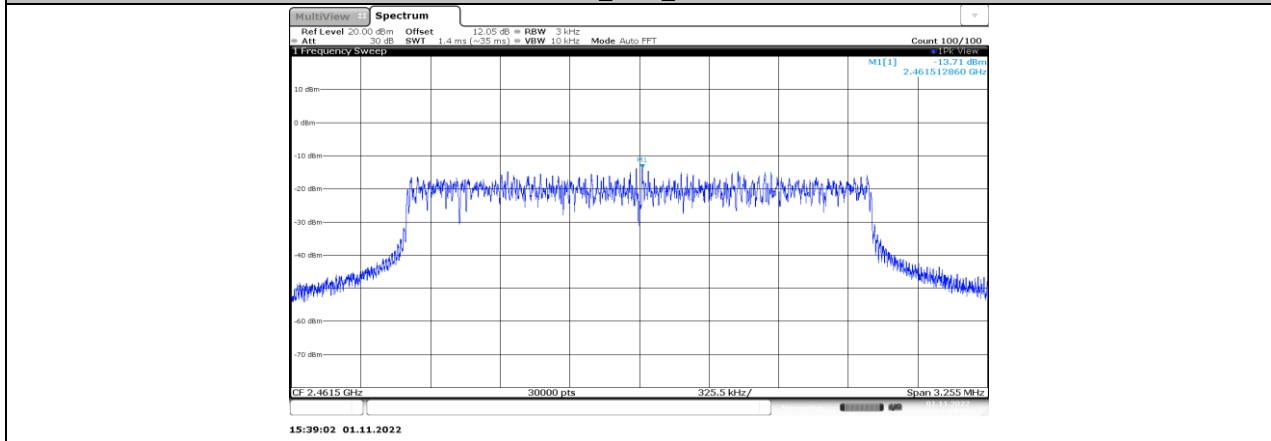
3 MHz_Ant1_2410.5



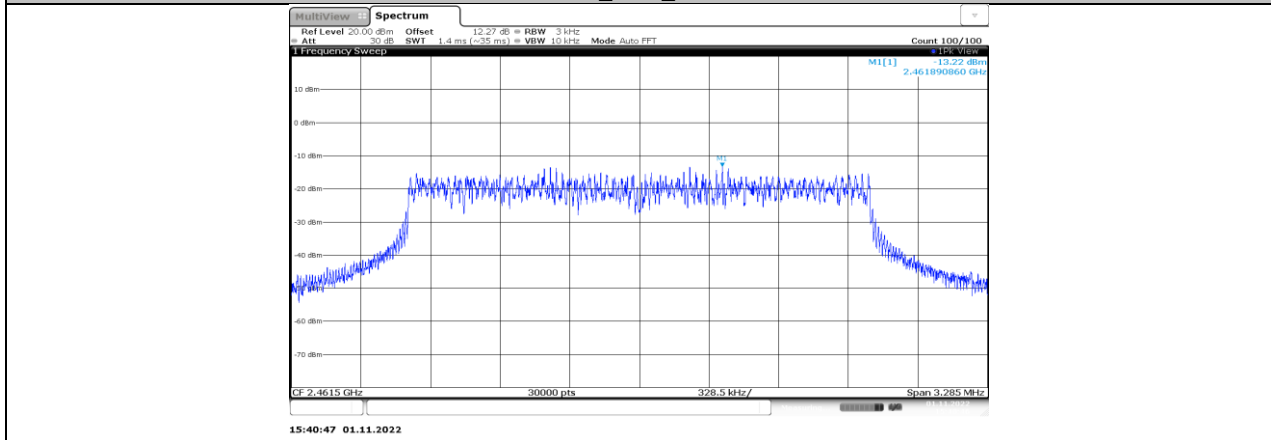
3 MHz_Ant0_2434.5



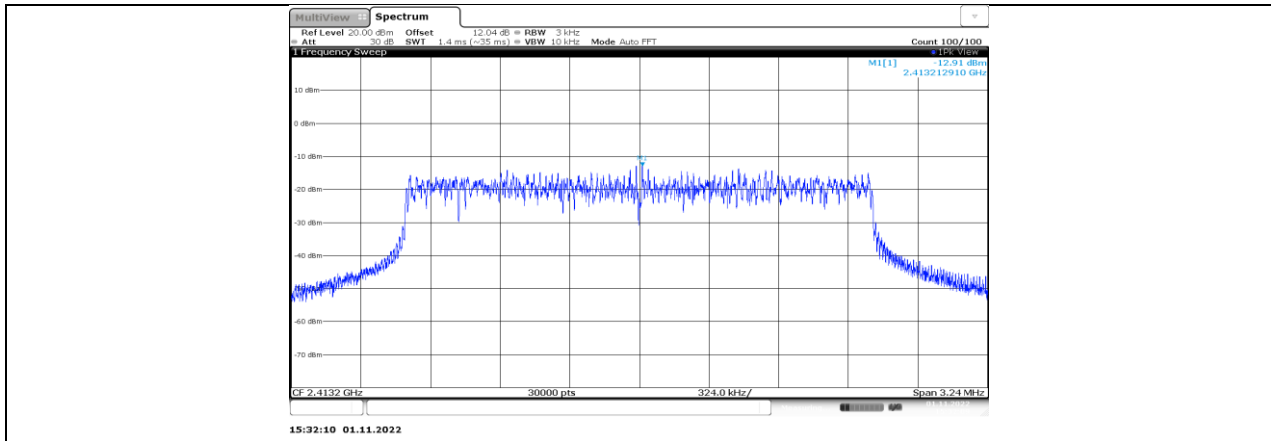
3 MHz_Ant1_2434.5



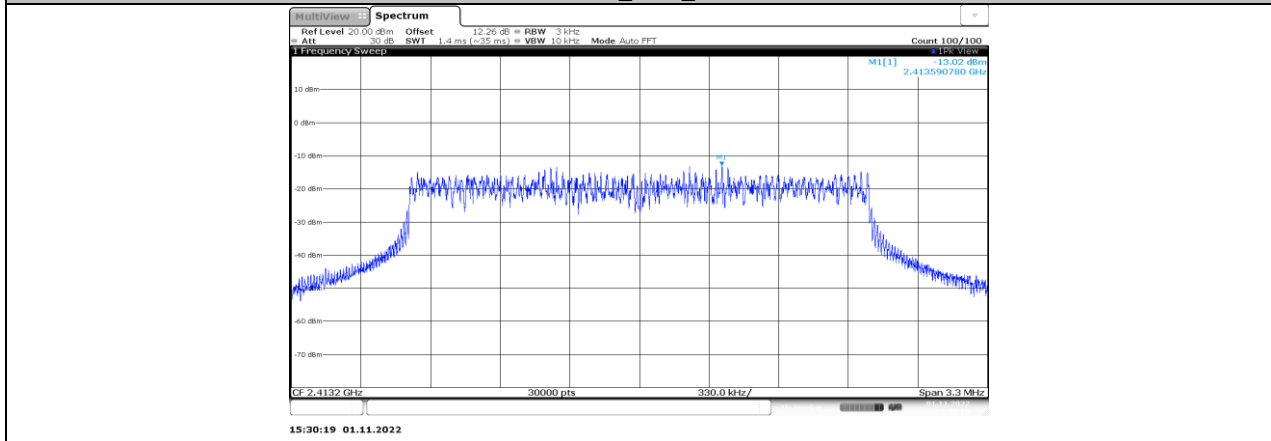
3 MHz_Ant0_2461.5



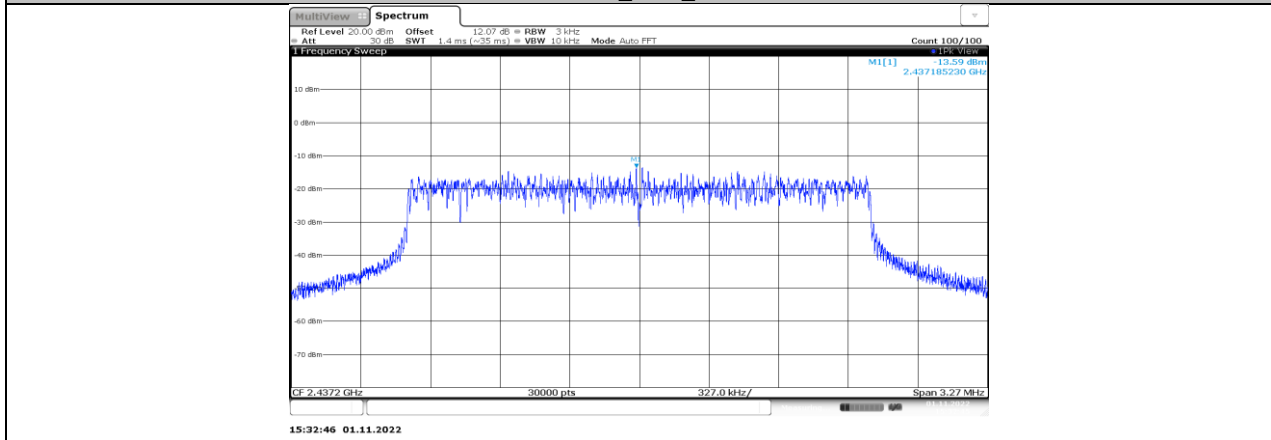
3 MHz_Ant1_2461.5



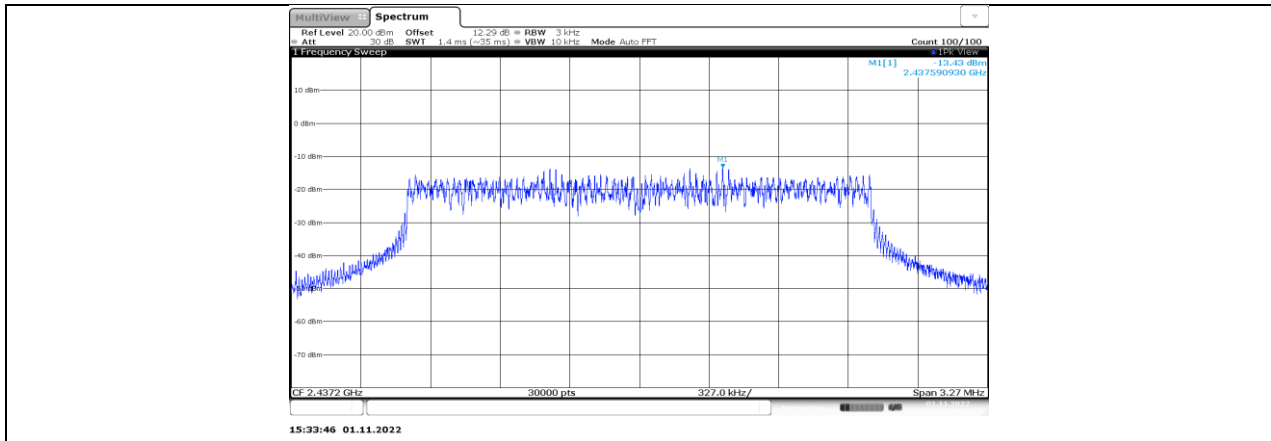
3 MHz CA_Ant0_2413.2



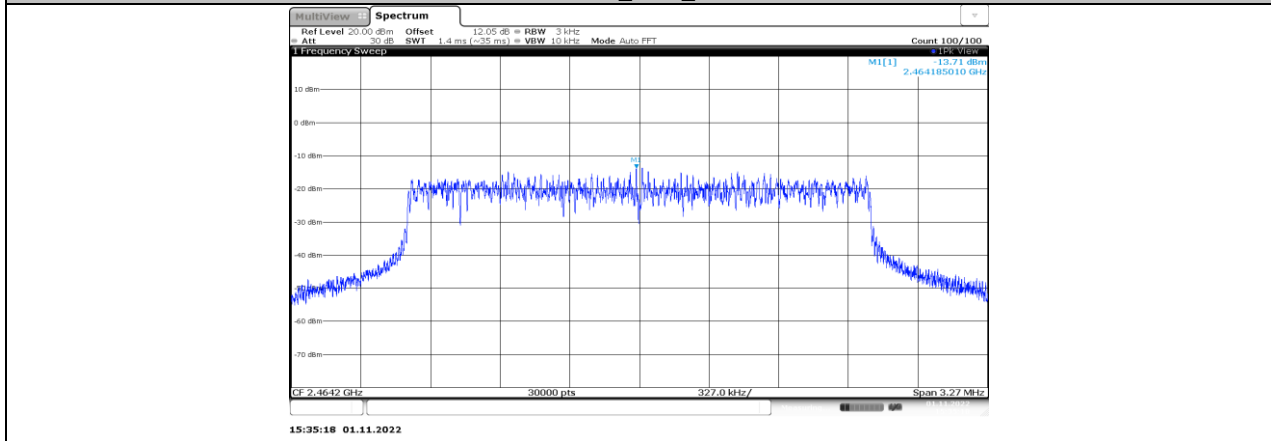
3 MHz CA_Ant1_2413.2



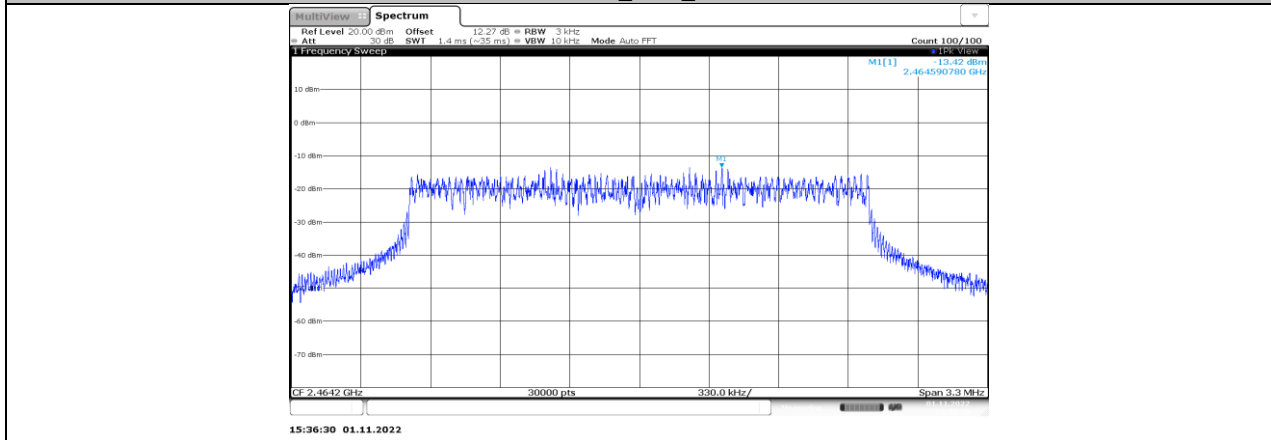
3 MHz CA_Ant0_2437.2



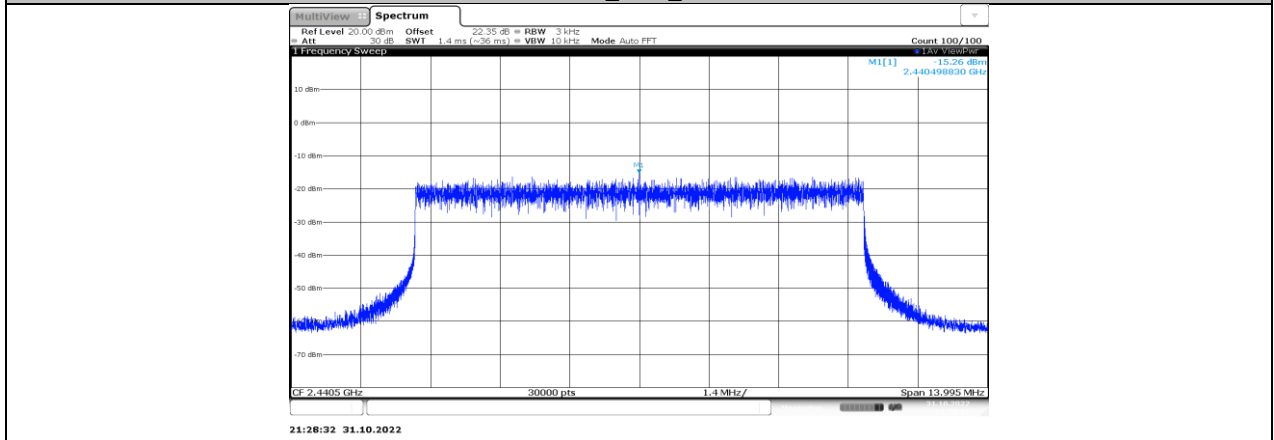
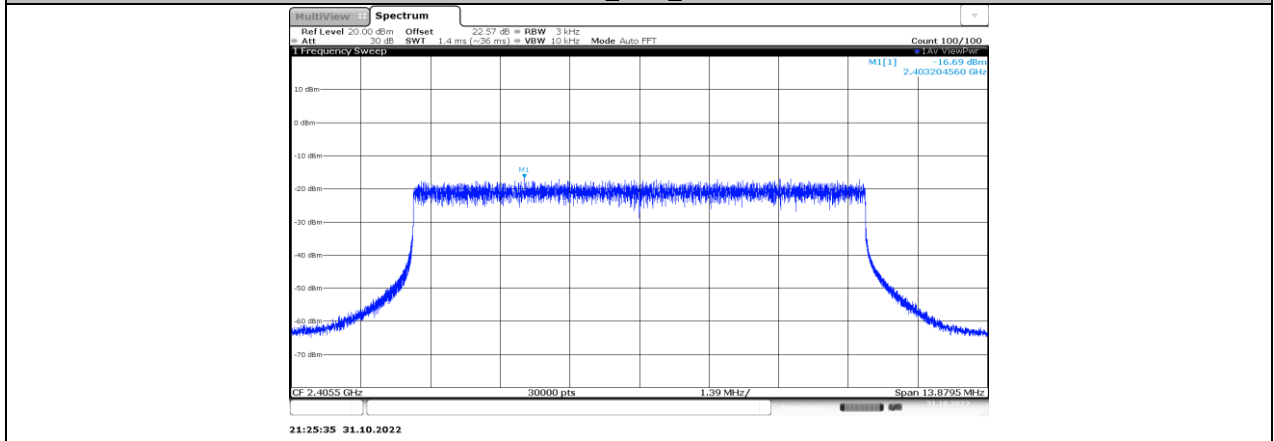
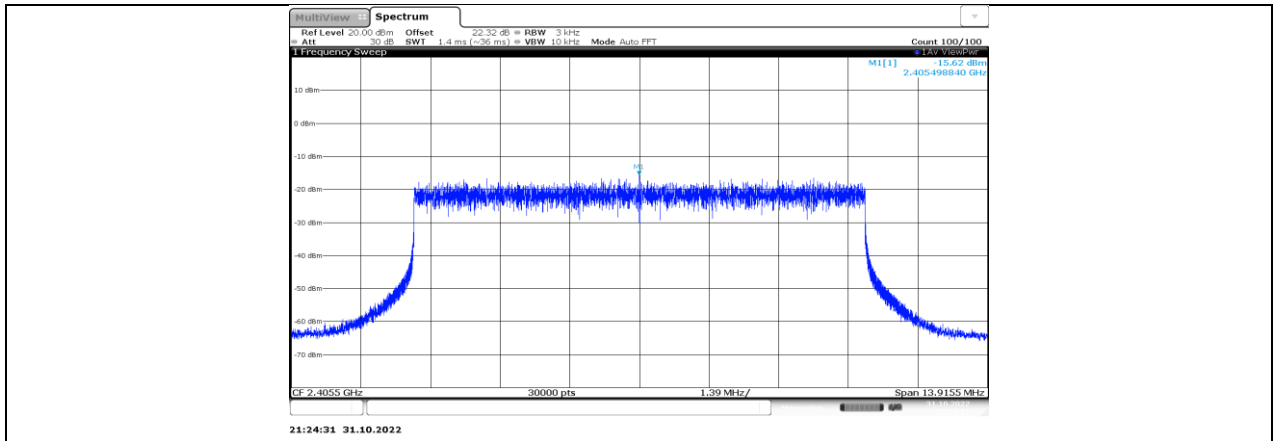
3 MHz CA_Ant1_2437.2

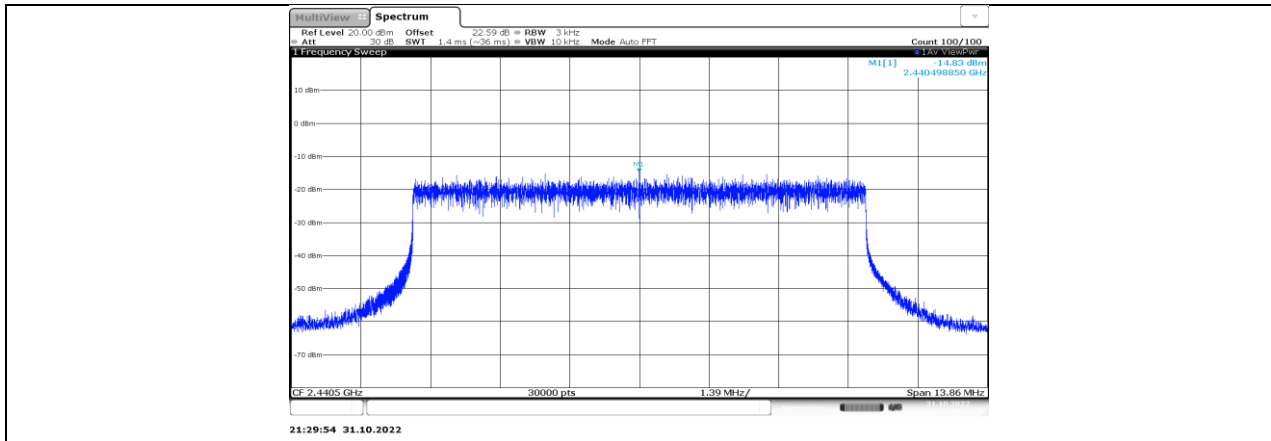


3 MHz CA_Ant0_2464.2

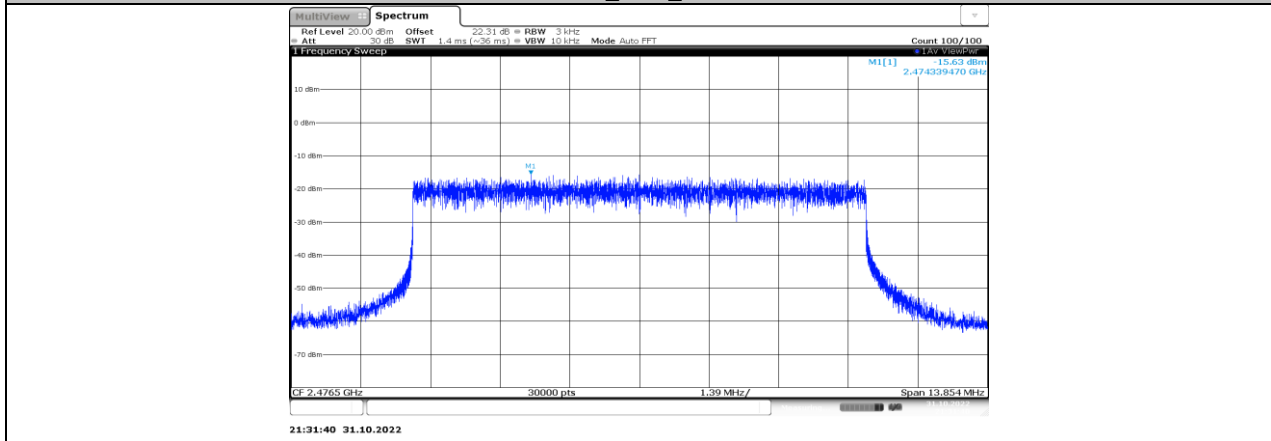


3 MHz CA_Ant1_2464.2

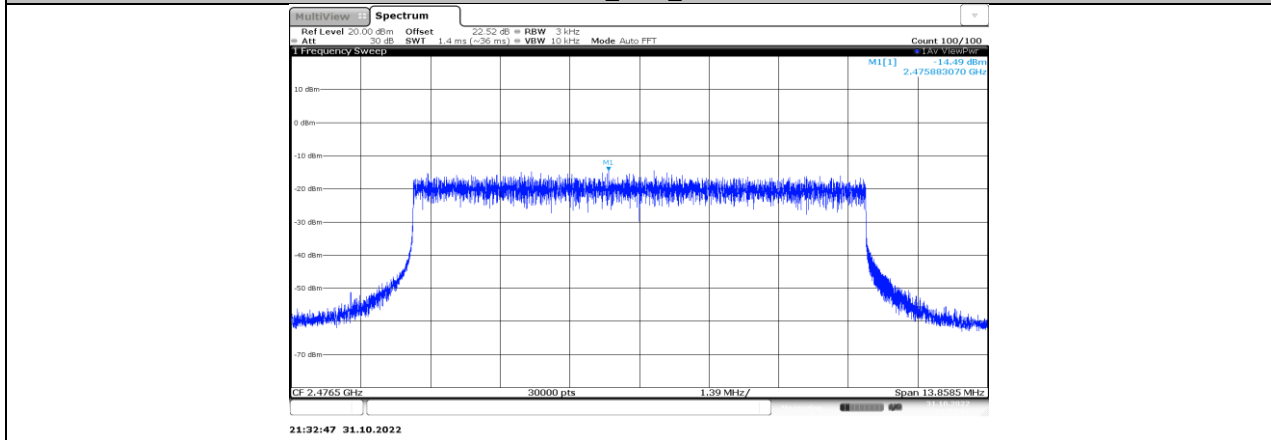




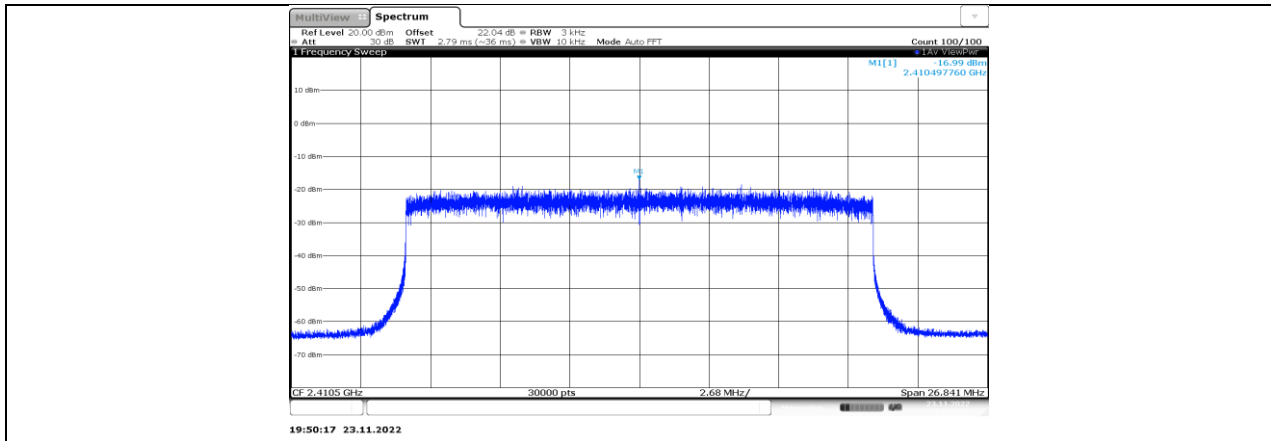
10 MHz_Ant1_2440.5



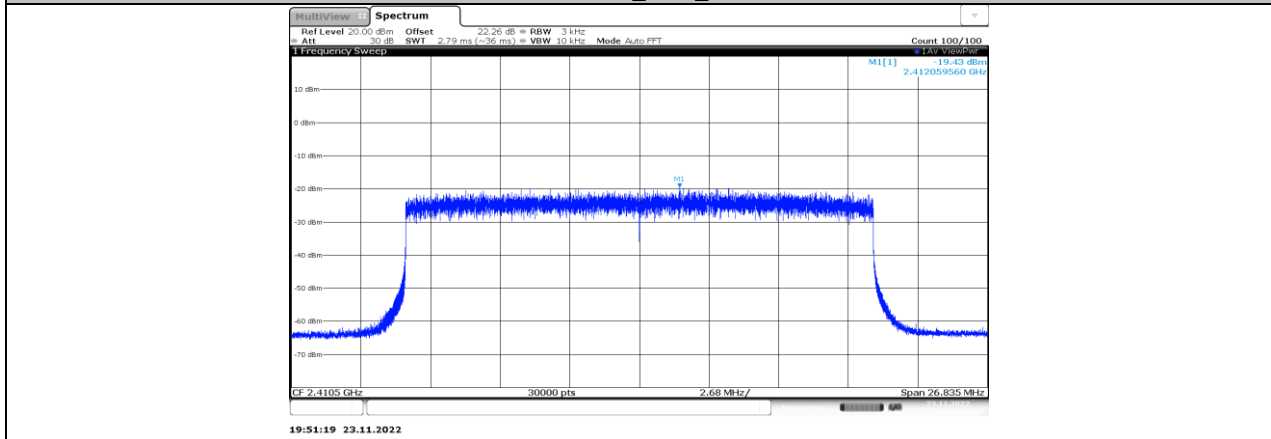
10 MHz_Ant0_2476.5



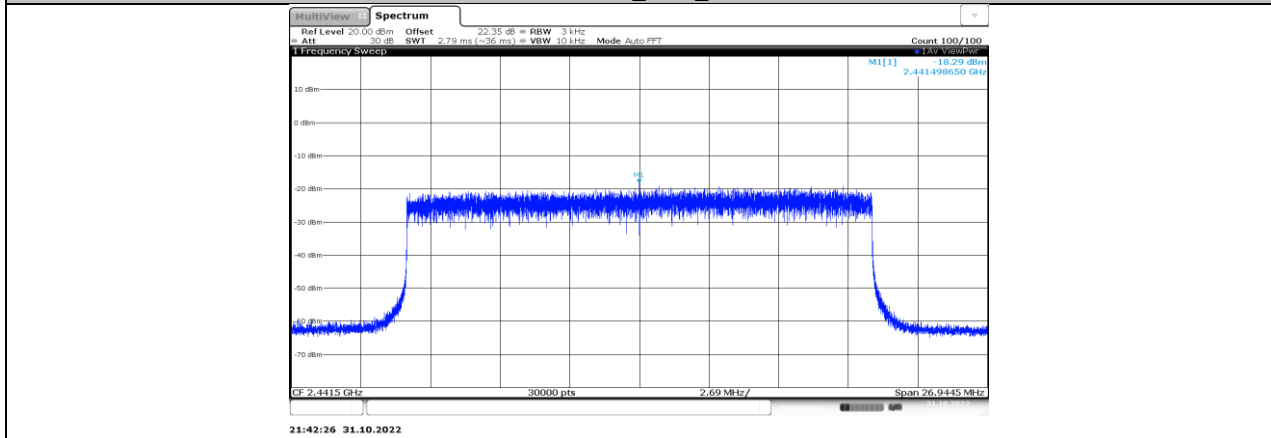
10 MHz_Ant1_2476.5



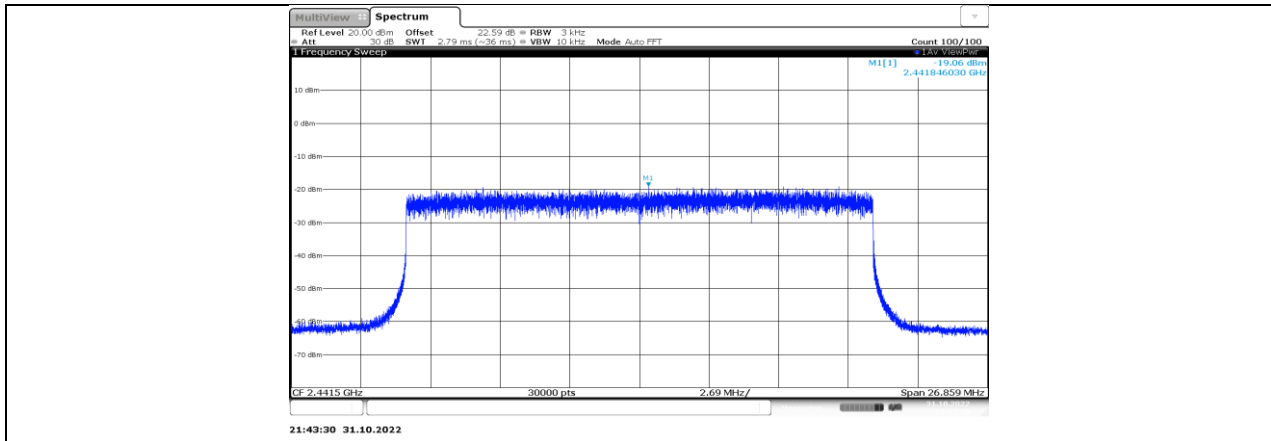
11N20MIMO_Ant1_2410.5



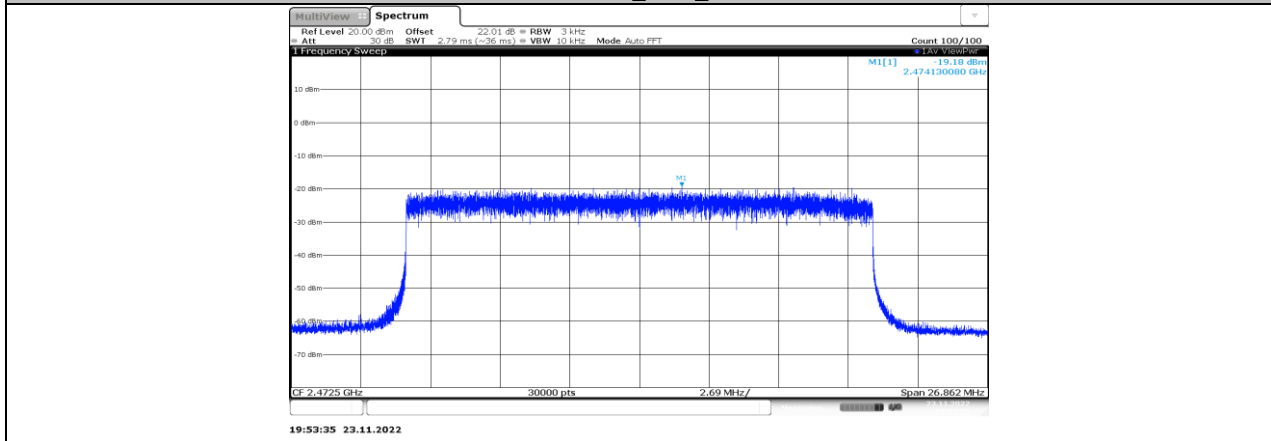
11N20MIMO_Ant2_2410.5



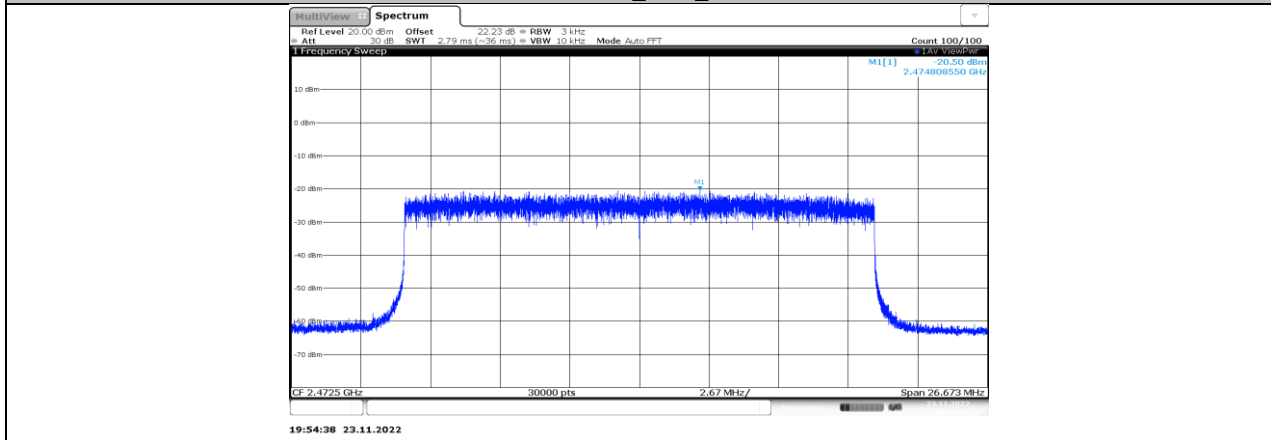
11N20MIMO_Ant1_2441.5



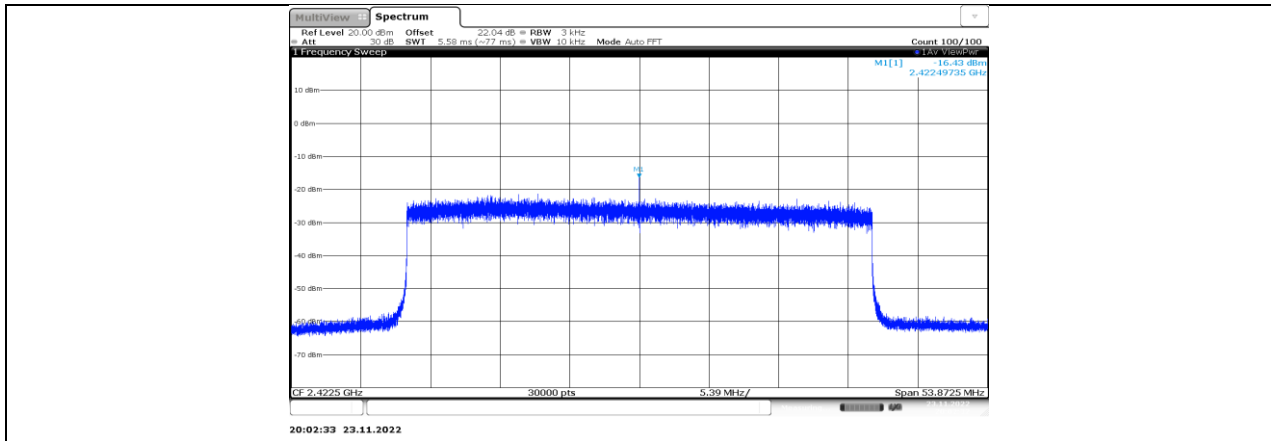
11N20MIMO_Ant2_2441.5



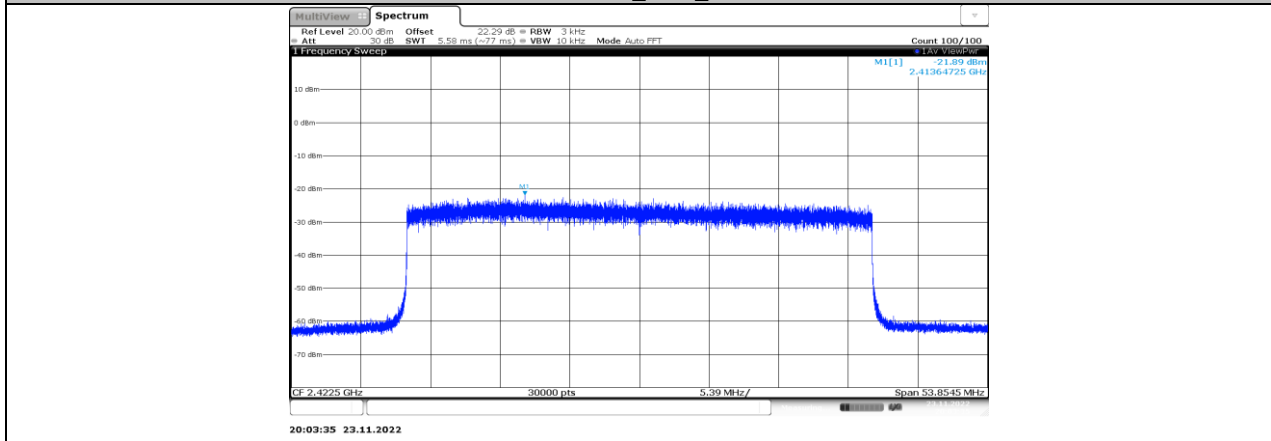
11N20MIMO_Ant1_2472.5



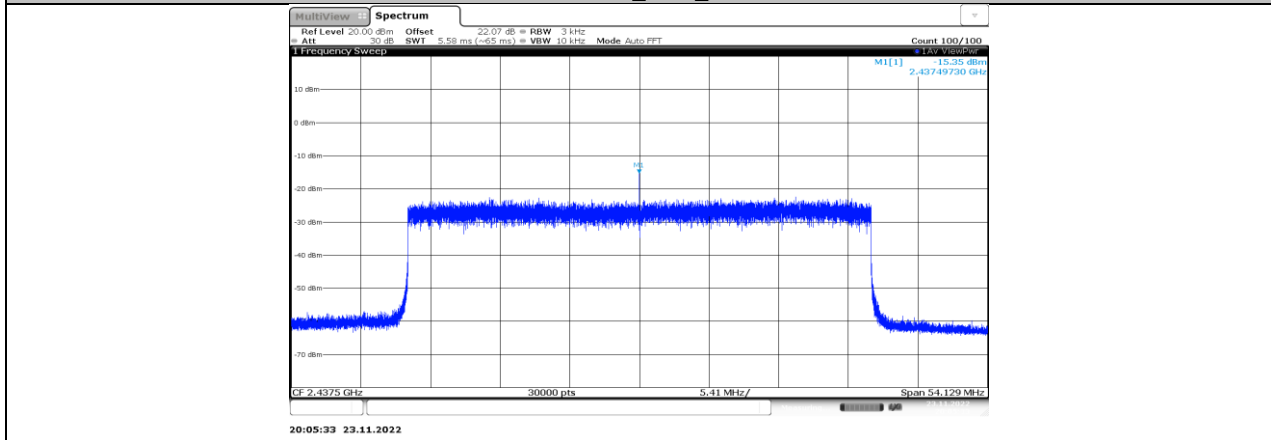
11N20MIMO_Ant2_2472.5



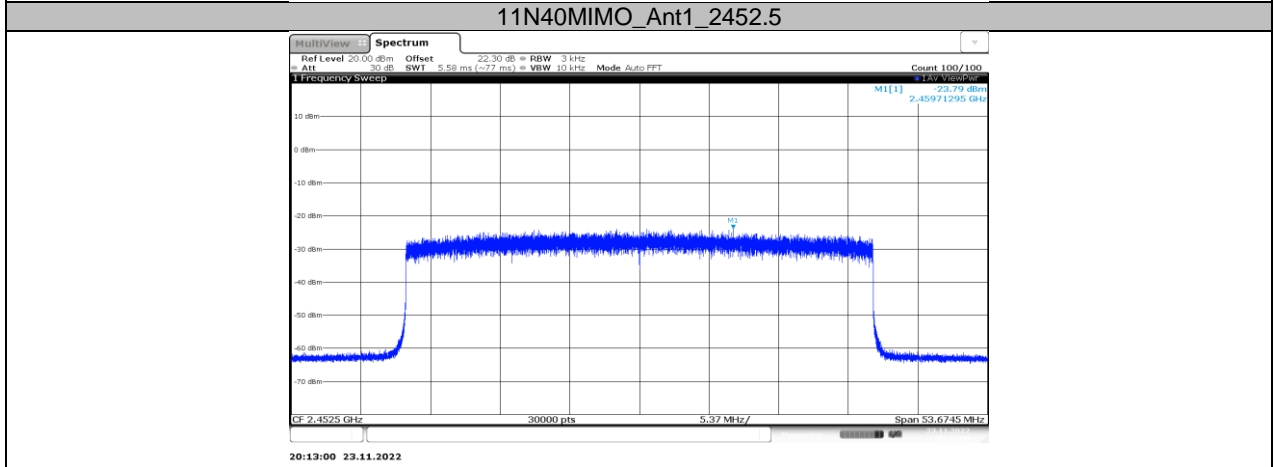
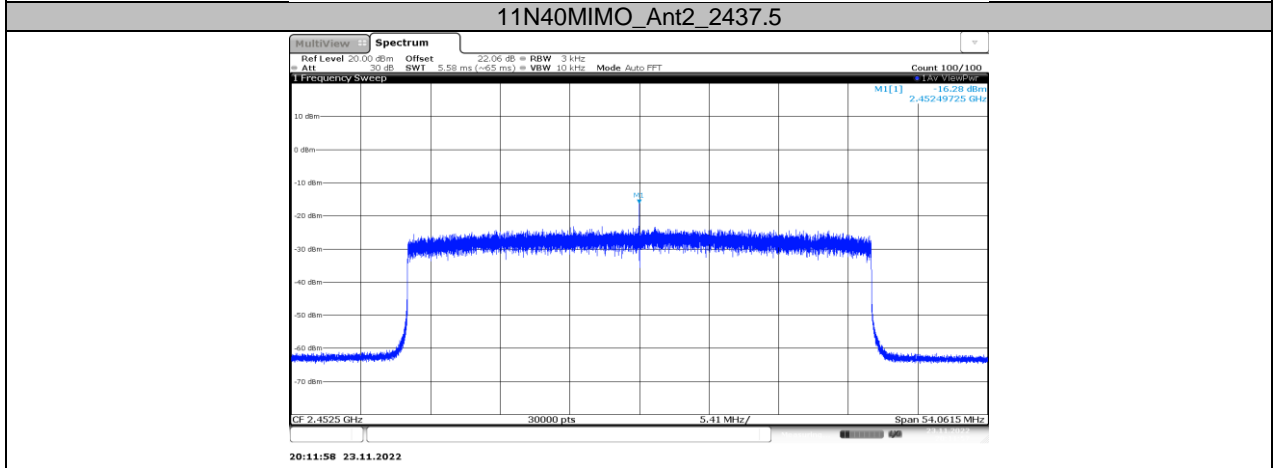
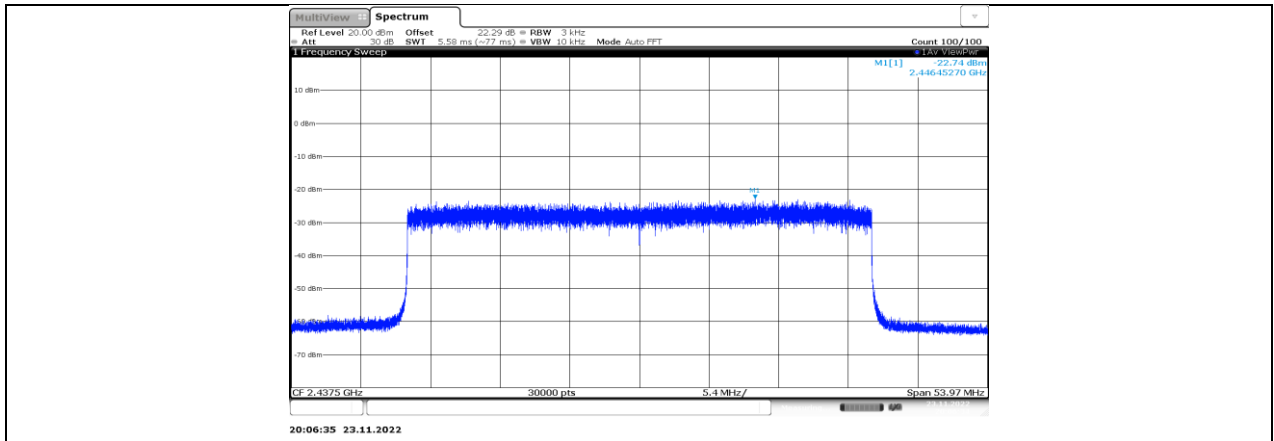
11N40MIMO_Ant1_2422.5



11N40MIMO_Ant2_2422.5



11N40MIMO_Ant1_2437.5



**11.5. APPENDIX E: BAND EDGE MEASUREMENTS****11.5.1. Test Result**

Test Mode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
1.4 MHz	Ant1	Low	2409.5	16.92	-38.36	≤-13.08	PASS
		High	2465.5	16.24	-37.62	≤-13.76	PASS
1.4 MHz CA	Ant1	Low	2411.12	16.14	-38.38	≤-13.86	PASS
		High	2465.12	15.42	-37.4	≤-14.58	PASS

Test Mode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
3 MHz	Ant1	Low	2410.5	14.08	-37.79	≤-15.92	PASS
		High	2461.5	14.26	-37.92	≤-15.74	PASS
3 MHz CA	Ant1	Low	2413.2	15.07	-38.15	≤-14.93	PASS
		High	2464.2	13.87	-37.37	≤-16.13	PASS

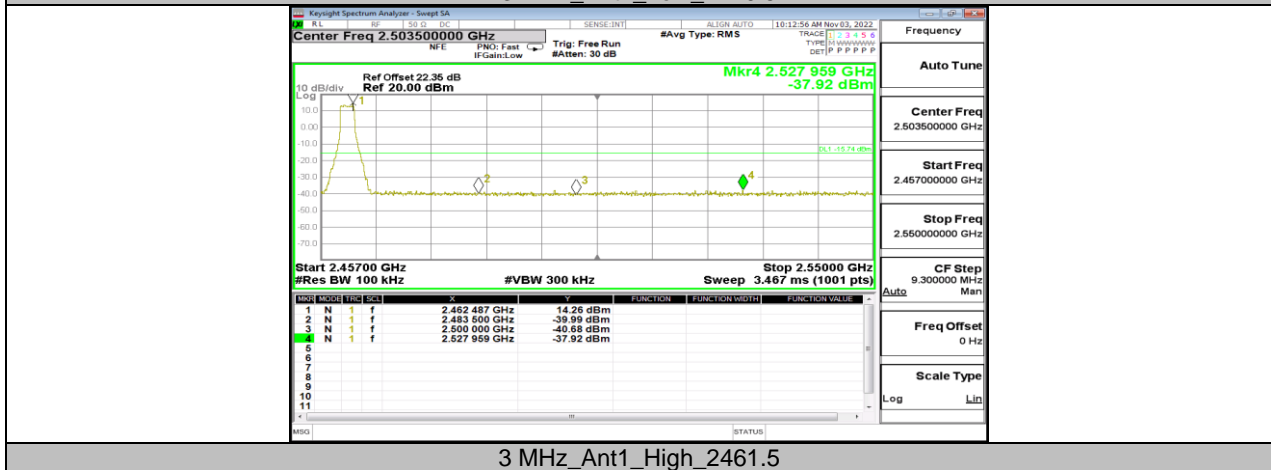
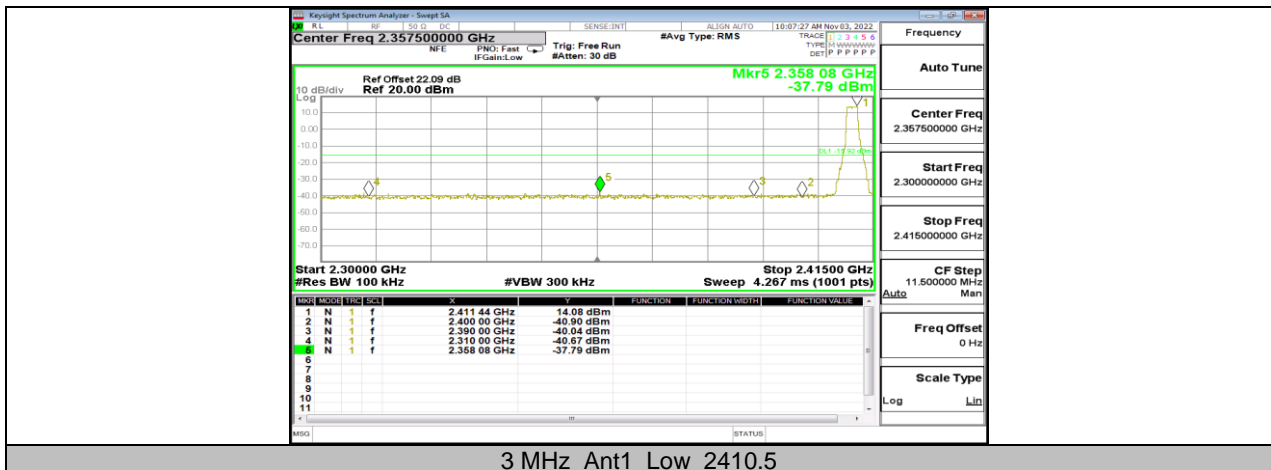
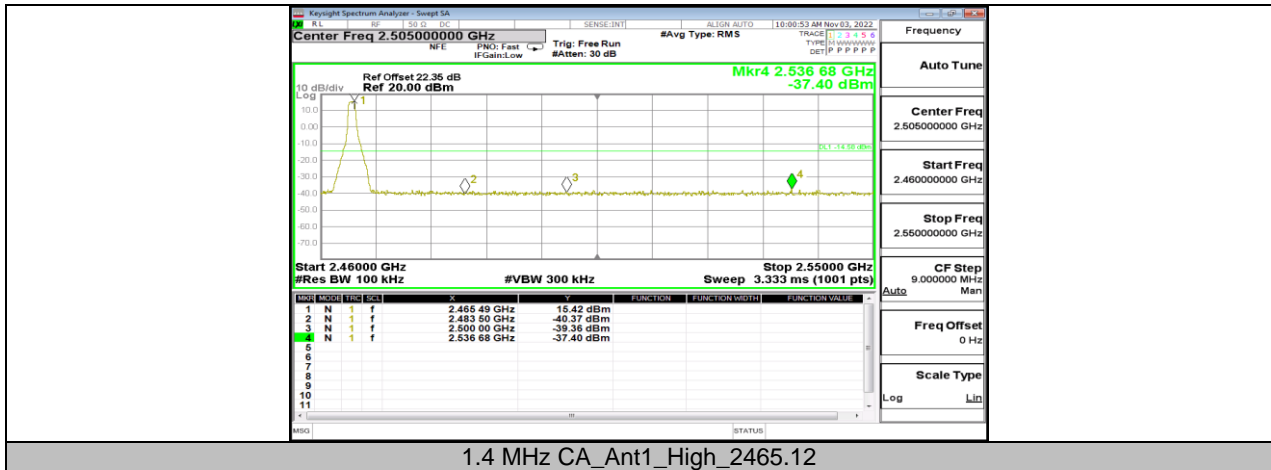
Note: All the antennas had been tested, but only the worst data was recorded in the report.

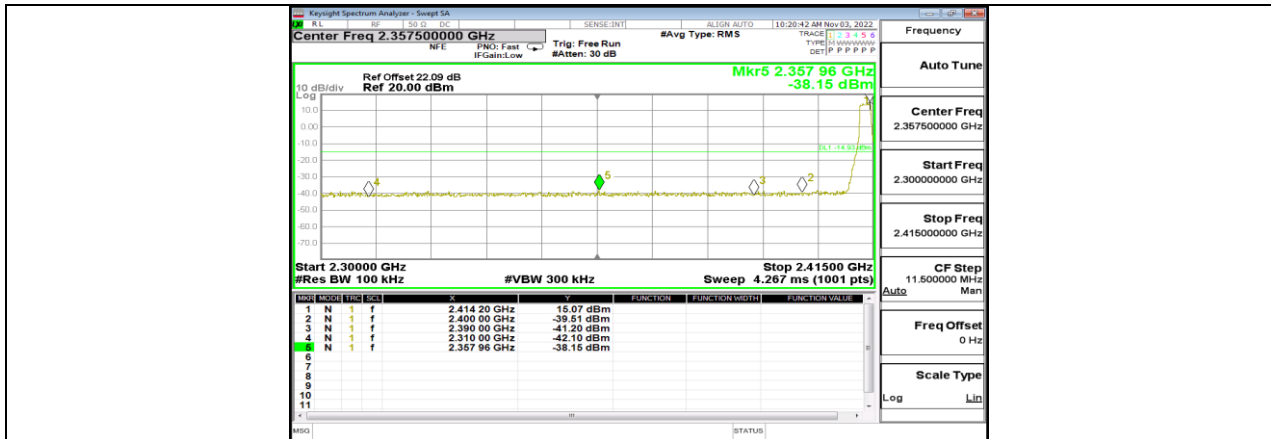
Test Mode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
10 MHz	Ant0	Low	2405.5	6.07	-26.77	≤-23.93	PASS
	Ant1	Low	2405.5	5.60	-27.43	≤-24.4	PASS
	Ant0	High	2476.5	7.65	-31.78	≤-22.35	PASS
	Ant1	High	2476.5	6.53	-33.22	≤-23.47	PASS
20 MHz	Ant0	Low	2410.5	3.41	-34.14	≤-26.59	PASS
	Ant1	Low	2410.5	3.97	-33.72	≤-26.03	PASS
	Ant0	High	2472.5	3.07	-33.03	≤-26.93	PASS
	Ant1	High	2472.5	2.97	-35.16	≤-27.03	PASS
40 MHz	Ant0	Low	2422.5	0.44	-29.84	≤-29.56	PASS
	Ant1	Low	2422.5	0.91	-34.39	≤-29.09	PASS
	Ant0	High	2452.5	0.49	-35.04	≤-29.51	PASS
	Ant1	High	2452.5	0.42	-34.84	≤-29.58	PASS



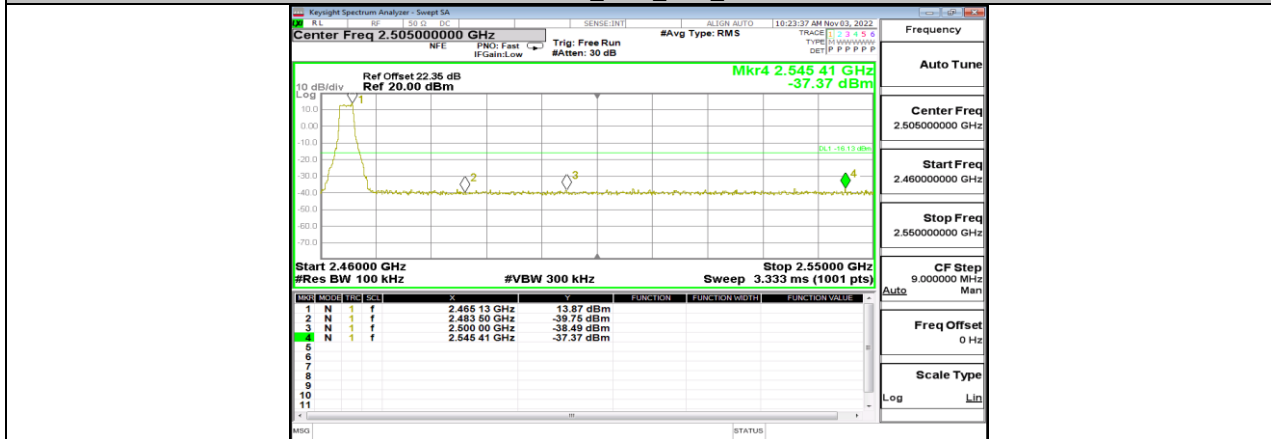
11.5.2. Test Graphs



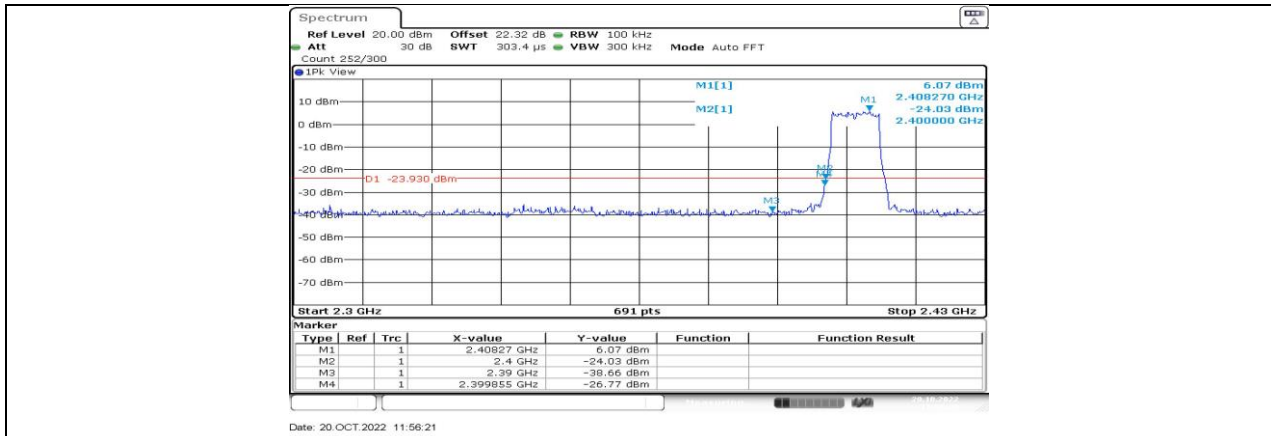




3 MHz CA_Ant1_Low_2413.2



3 MHz CA_Ant1_High_2464.2



10 MHz_Ant0_Low_2405.5

