

Appendix for Test report

1. Appendix A: 20dB Emission Bandwidth

1.1 Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
TM1	Ant1	2402	1.038	2401.482	2402.52	---	PASS
		2441	1.036	2440.482	2441.518	---	PASS
		2480	1.036	2479.482	2480.518	---	PASS
TM2	Ant1	2402	1.308	2401.348	2402.656	---	PASS
		2441	1.306	2440.348	2441.654	---	PASS
		2480	1.324	2479.336	2480.66	---	PASS
TM3	Ant1	2402	1.302	2401.35	2402.652	---	PASS
		2441	1.302	2440.35	2441.652	---	PASS
		2480	1.296	2479.352	2480.648	---	PASS

1.2 Test Graphs

TM1_Ant1_2402



14:47:50 11.01.2022

TM1_Ant1_2441



14:27:30 11.01.2022

TM1_Ant1_2480



14:28:03 11.01.2022

TM2_Ant1_2402



14:28:41 11.01.2022

TM2_Ant1_2441



14:29:14 11.01.2022

TM2_Ant1_2480



14:29:51 11.01.2022

TM3_Ant1_2402



14:30:25 11.01.2022

TM3_Ant1_2441



14:30:58 11.01.2022

TM3_Ant1_2480



2. Appendix A1: Occupied Channel Bandwidth

2.1 Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
TM1	Ant1	2402	1.0	2401.5	2402.5	---	PASS
		2441	1.0	2440.5	2441.5	---	PASS
		2480	1.0	2479.5	2480.5	---	PASS
TM2	Ant1	2402	1.18	2401.41	2402.59	---	PASS
		2441	1.18	2440.41	2441.59	---	PASS
		2480	1.18	2479.41	2480.59	---	PASS
TM3	Ant1	2402	1.18	2401.41	2402.59	---	PASS
		2441	1.19	2440.4	2441.59	---	PASS
		2480	1.18	2479.4	2480.59	---	PASS



2.2 Test Graphs

TM1_Ant1_2402



14:49:03 11.01.2022

TM1_Ant1_2441



14:49:21 11.01.2022

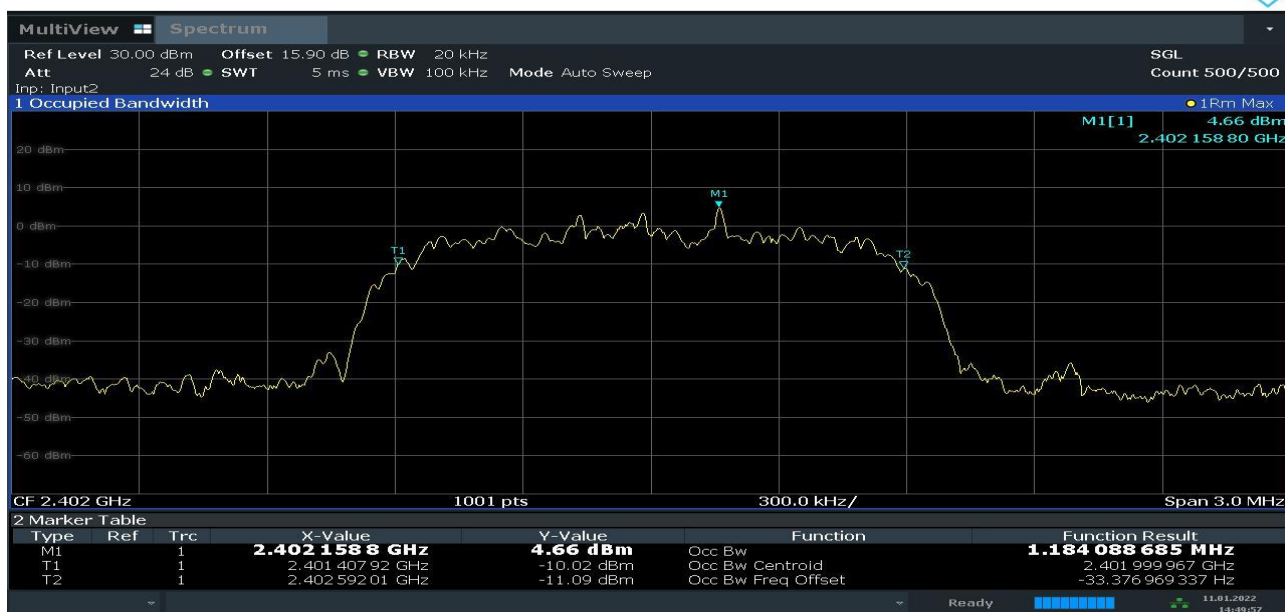


TM1_Ant1_2480



14:49:39 11.01.2022

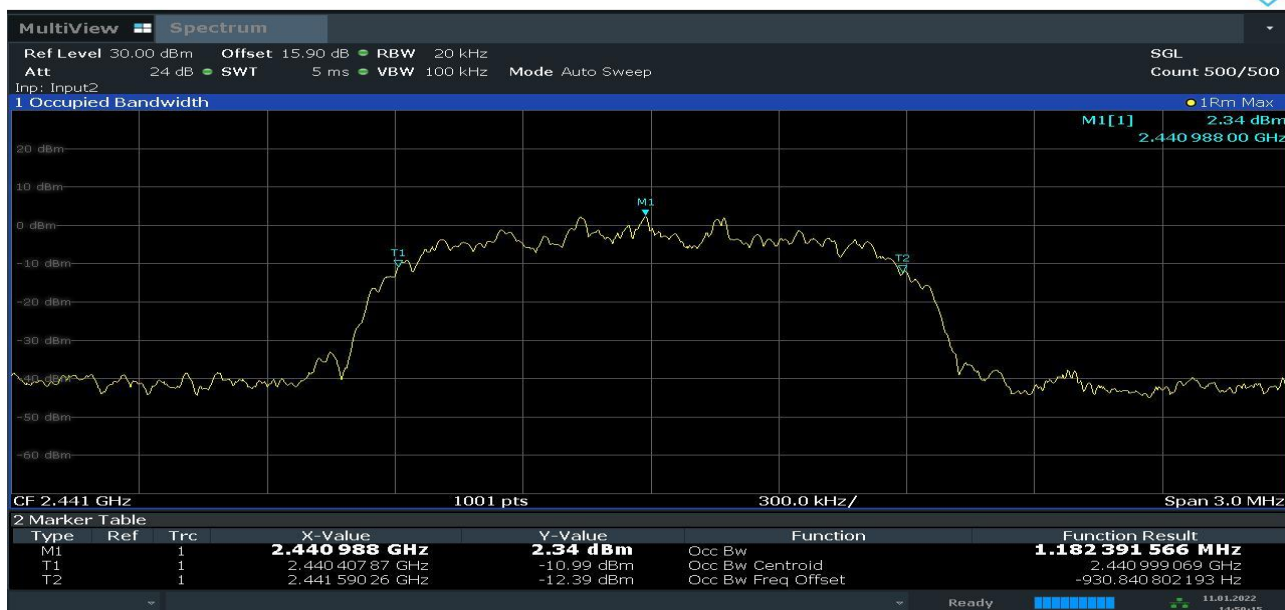
TM2_Ant1_2402



14:49:58 11.01.2022

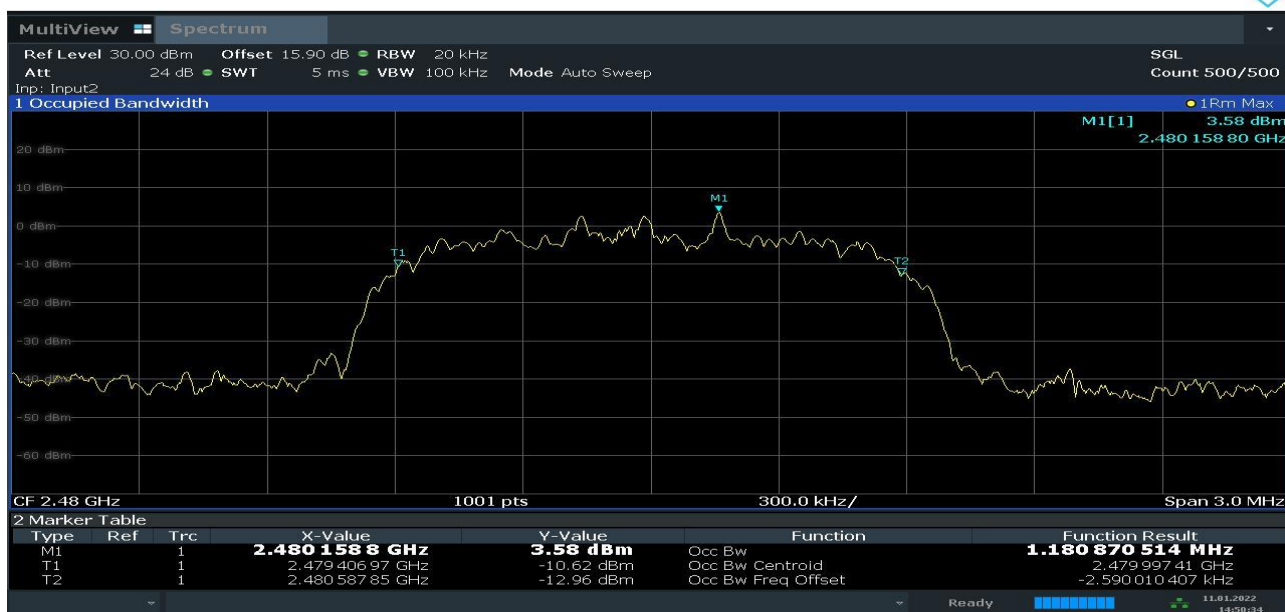


TM2_Ant1_2441



14:50:16 11.01.2022

TM2_Ant1_2480



14:50:14 11.01.2022



TM3_Ant1_2402



14:50:52 11.01.2022

TM3_Ant1_2441



14:51:10 11.01.2022

TM3_Ant1_2480



3. Appendix B: Carrier frequency separation

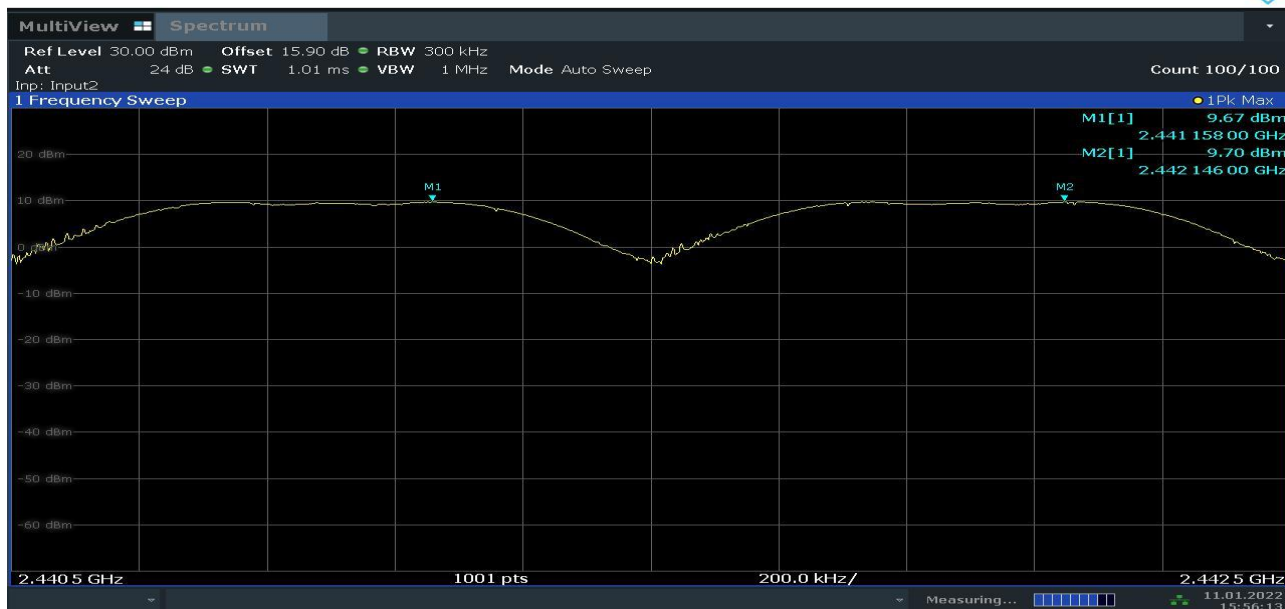
3.1 Test Result

TestMode	Antenna	Channel	CarrierFrequency Separation [MHz]	Limit[MHz]	Verdict
TM1	Ant1	Hop	0.988	≥ 0.692	PASS
TM2	Ant1	Hop	1.008	≥ 0.883	PASS
TM3	Ant1	Hop	0.994	≥ 0.868	PASS



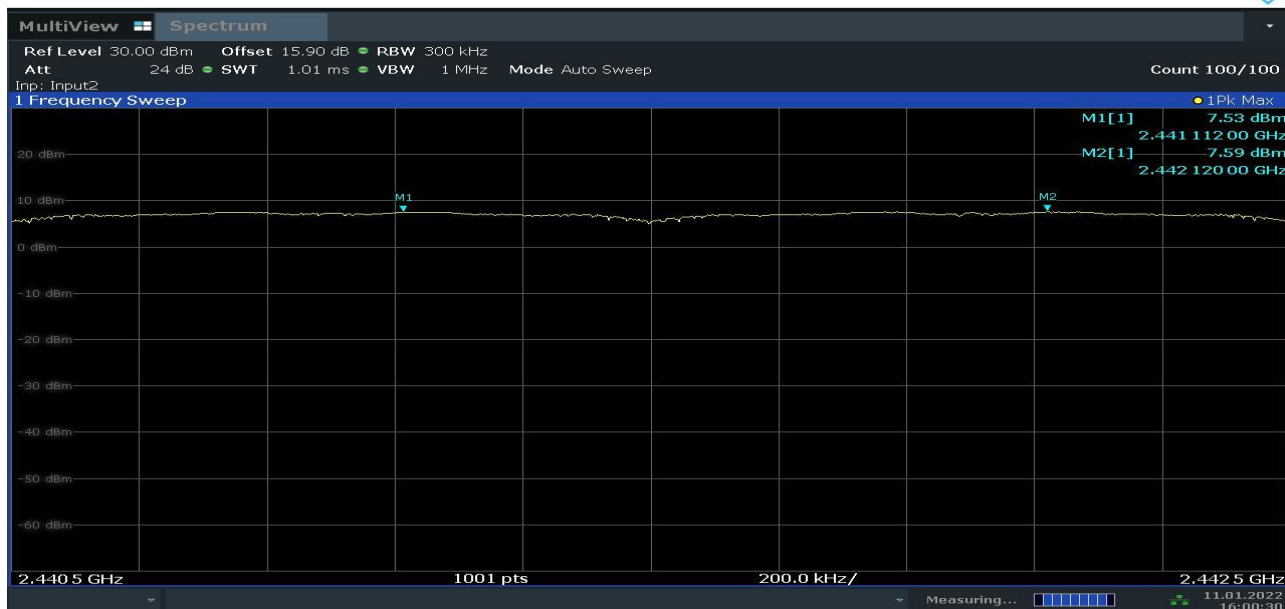
3.2 Test Graphs

TM1_Ant1_Hop



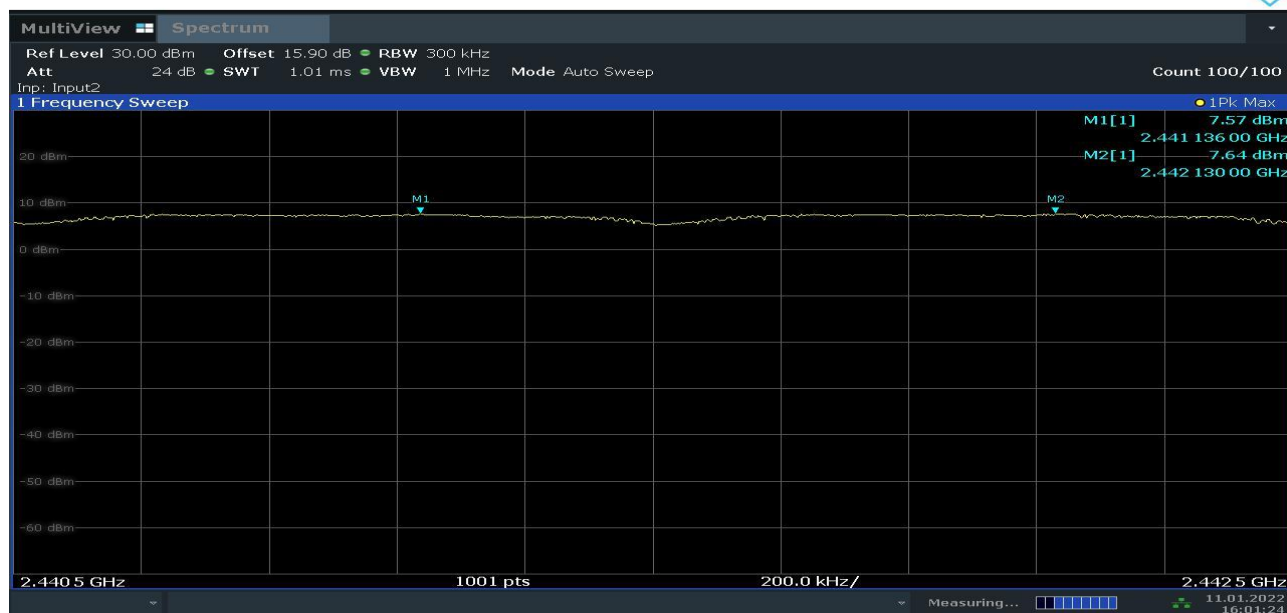
15:56:14 11.01.2022

TM2_Ant1_Hop



16:00:30 11.01.2022

TM3_Ant1_Hop



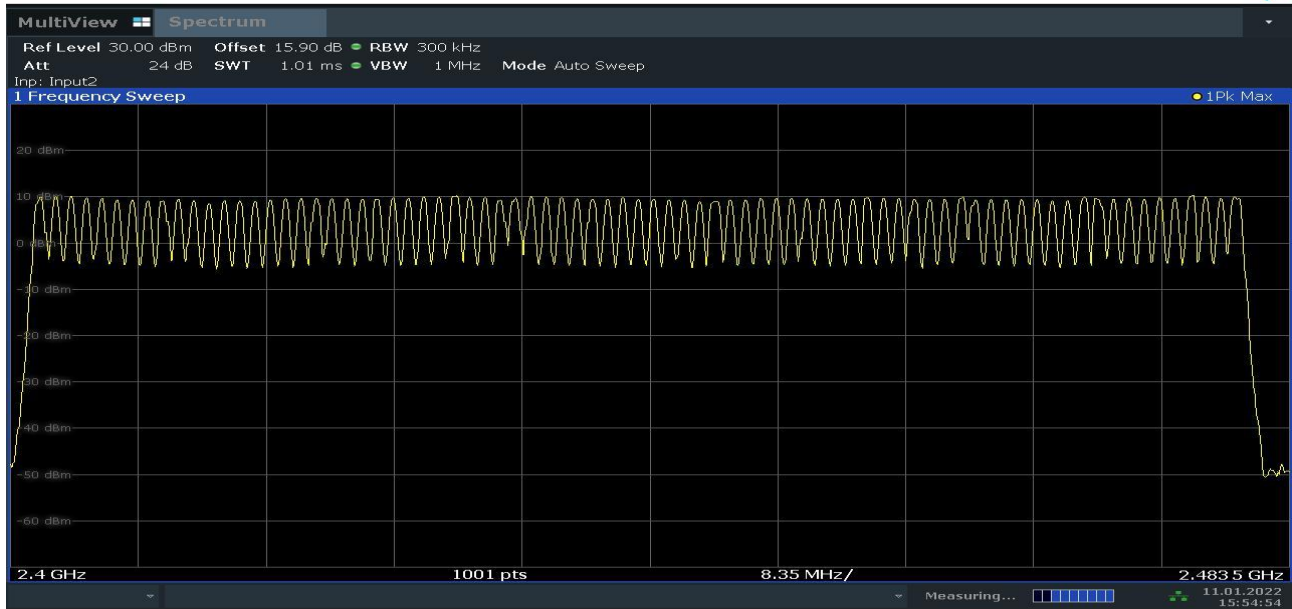
4. Appendix C: Number of hopping channels

4.1 Test Result

TestMode	Antenna	Channel	Number of Hopping Channel	Limit	Verdict
TM1	Ant1	Hop	79	≥ 15	PASS
TM2	Ant1	Hop	79	≥ 15	PASS
TM3	Ant1	Hop	79	≥ 15	PASS

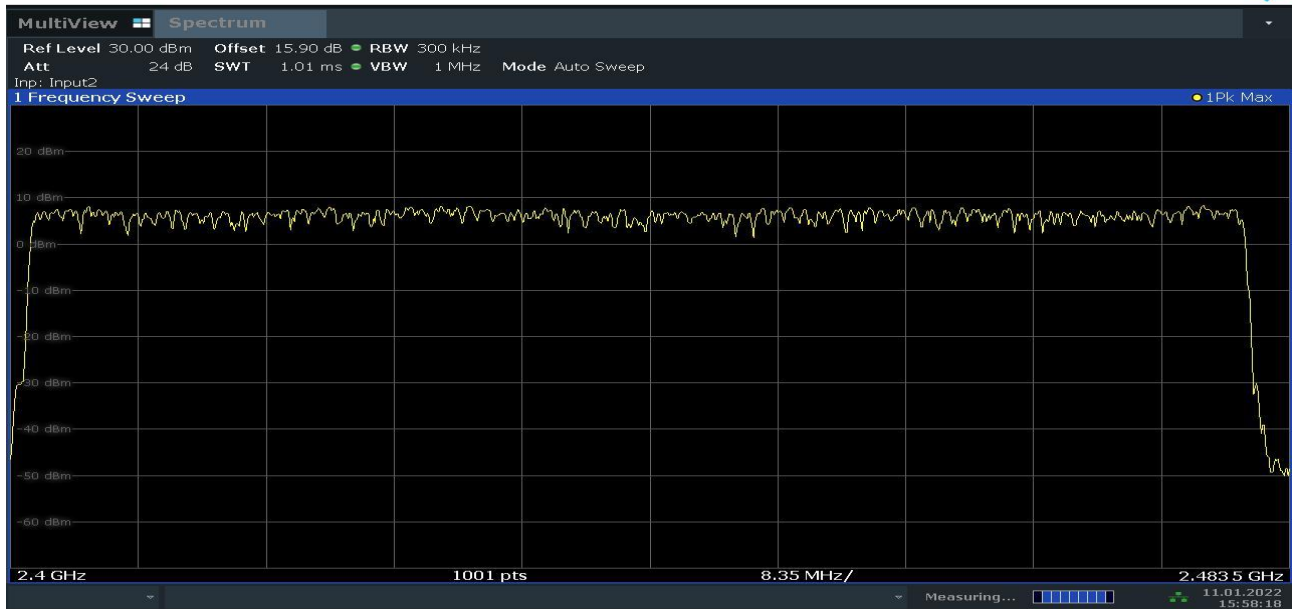
4.2 Test Graphs

TM1_Ant1_Hop

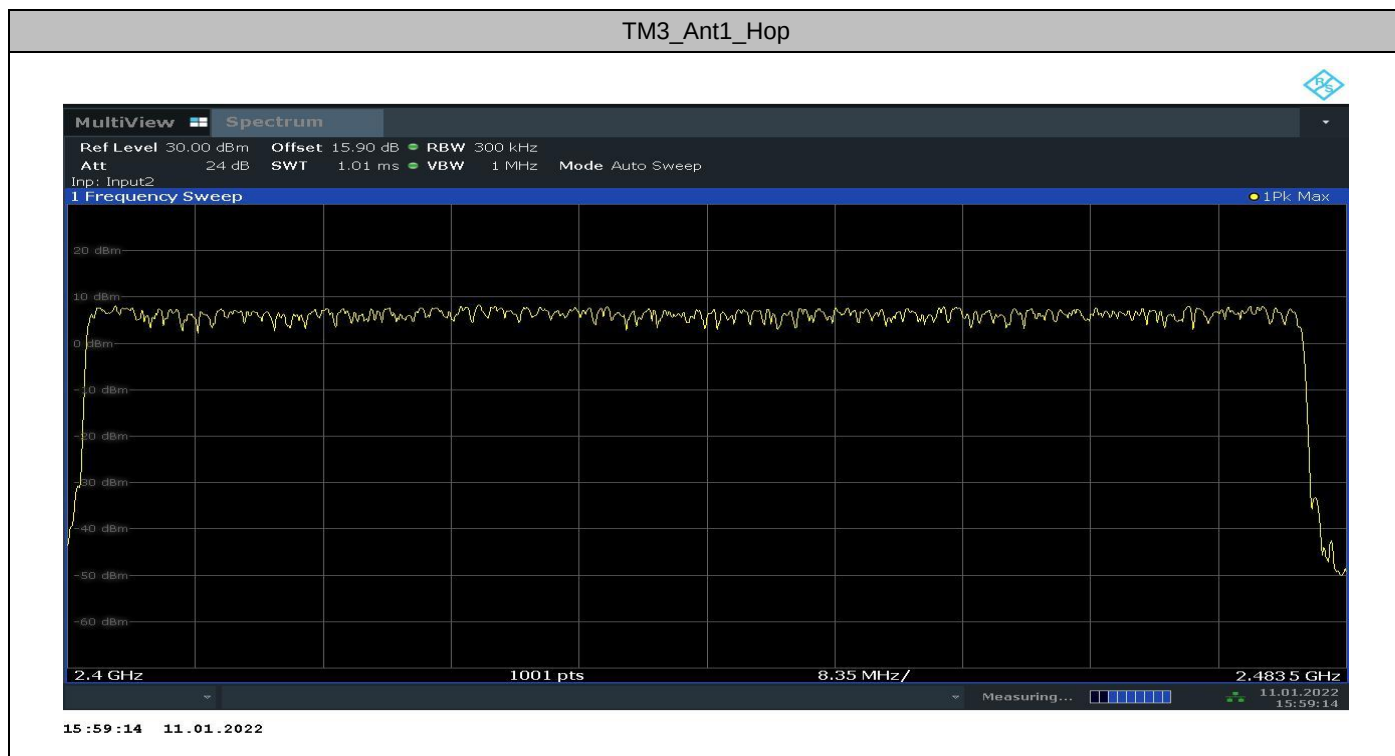


15:54:55 11.01.2022

TM2_Ant1_Hop



15:58:18 11.01.2022



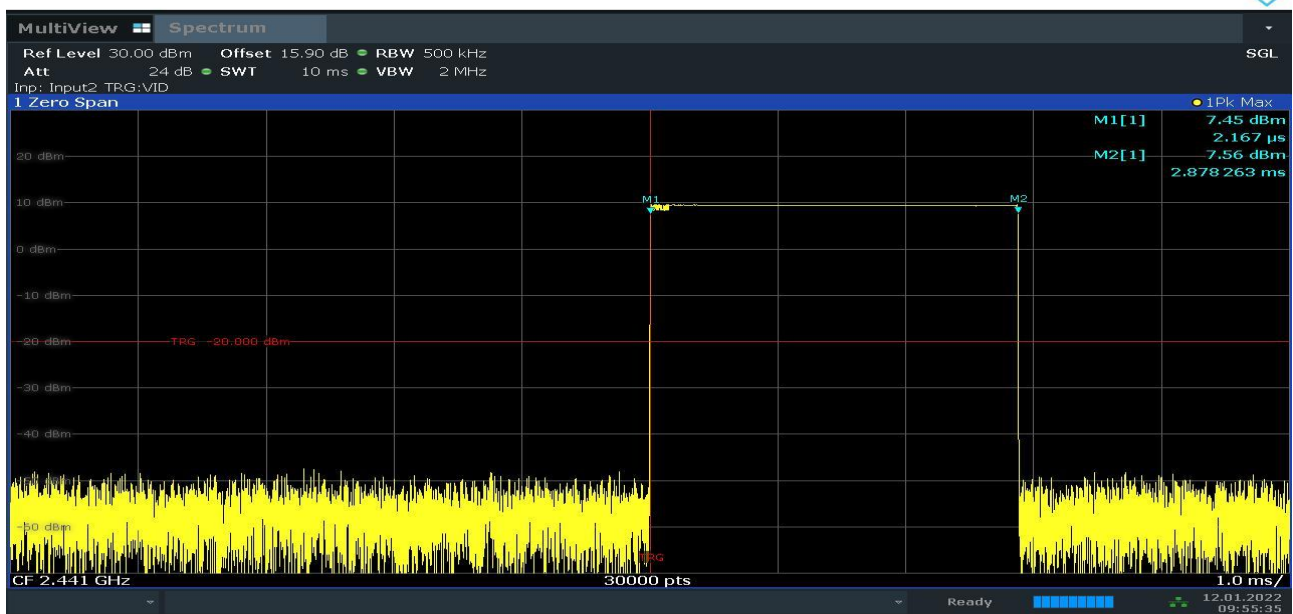
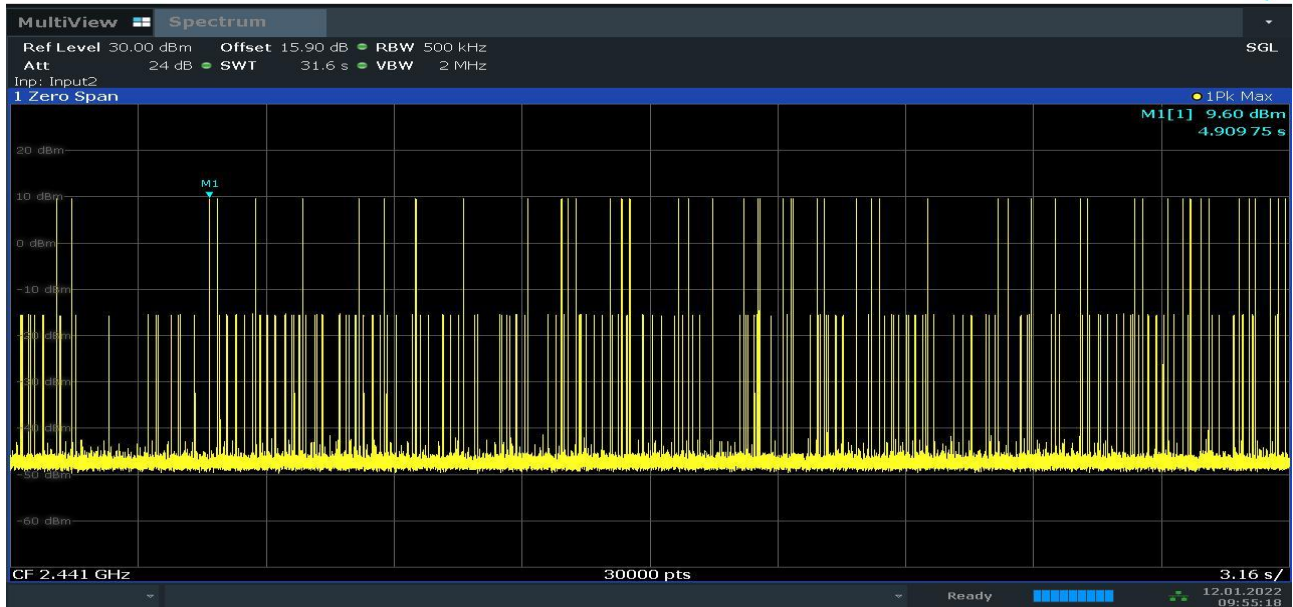
5. Appendix D: Time of occupancy

5.1 Test Result

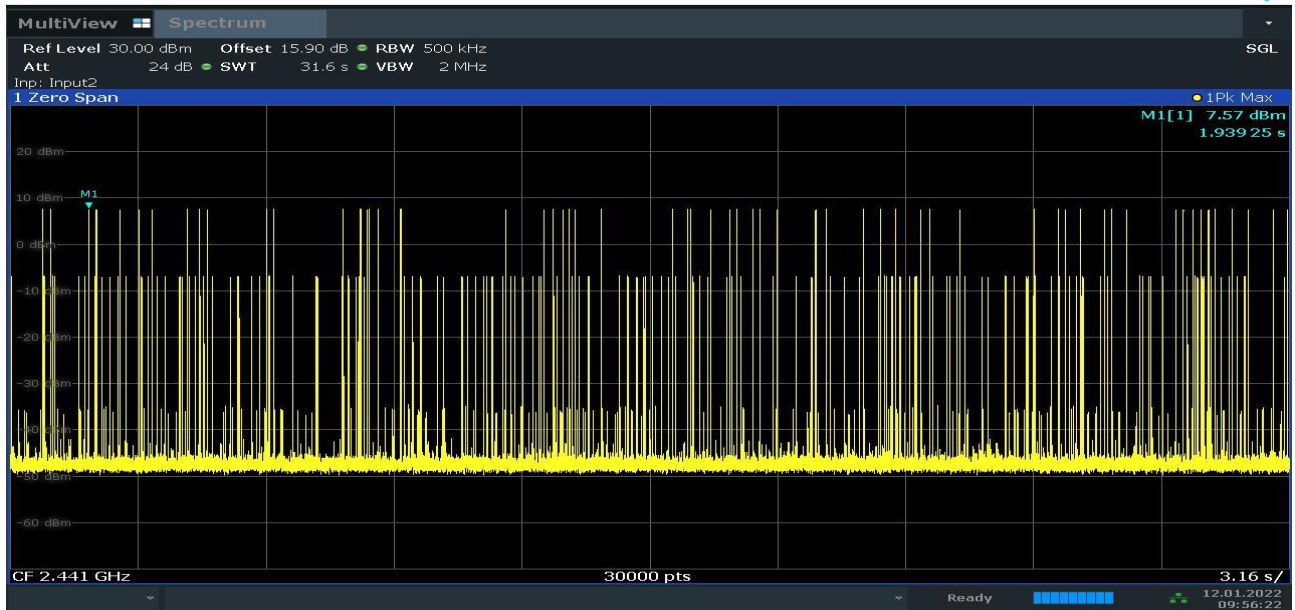
TestMode	Antenna	Channel	Burst Width [ms/hop/ch]	Total Hops [hop*ch]	Dwell Time [s]	Limit[s]	Verdict
TM1	Ant1	Hop	2.876	52	0.15	≤ 0.4	PASS
TM2	Ant1	Hop	2.881	61	0.176	≤ 0.4	PASS
TM3	Ant1	Hop	2.883	65	0.187	≤ 0.4	PASS

5.2 Test Graphs

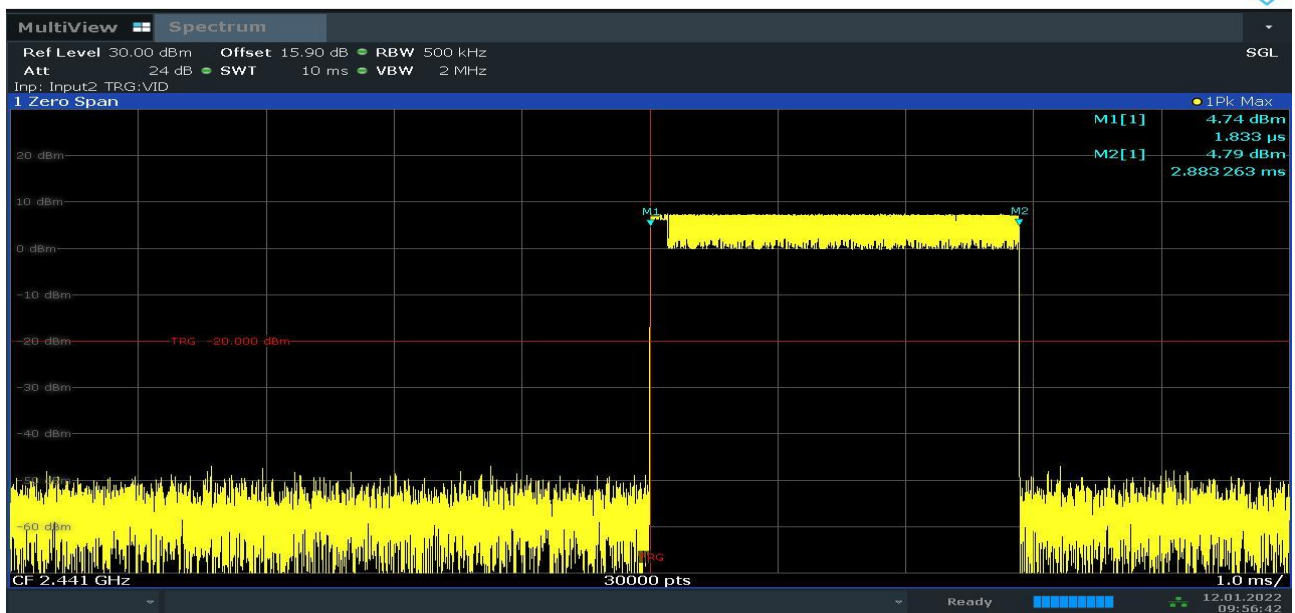
TM1_Ant1_Hop



TM2_Ant1_Hop

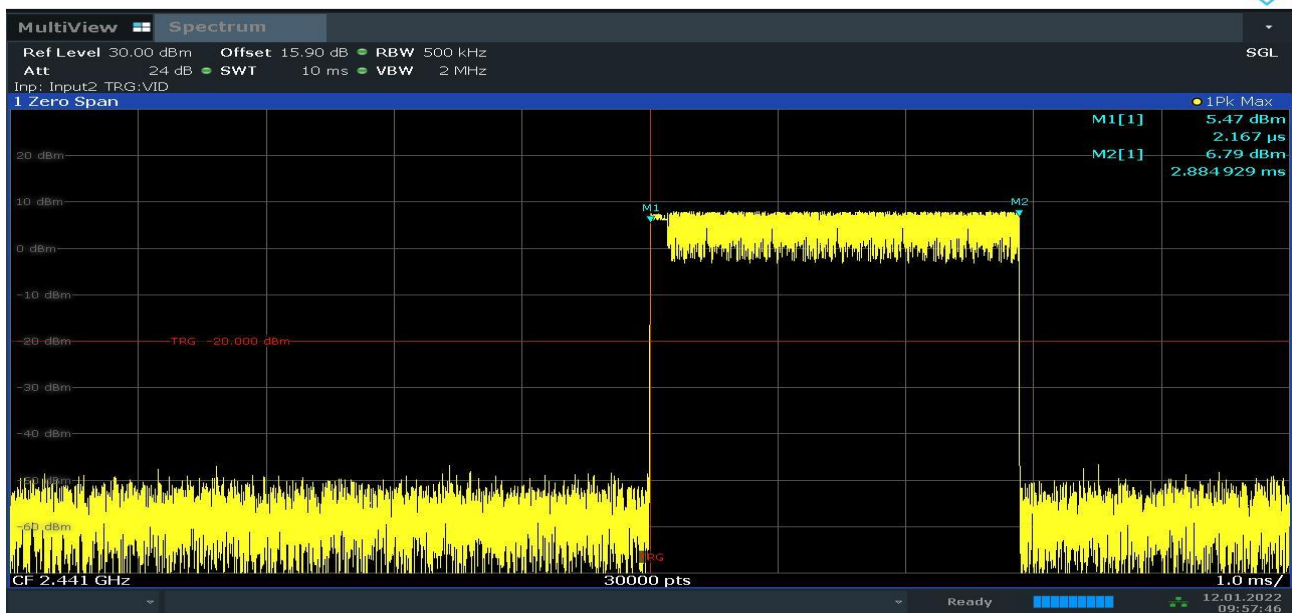
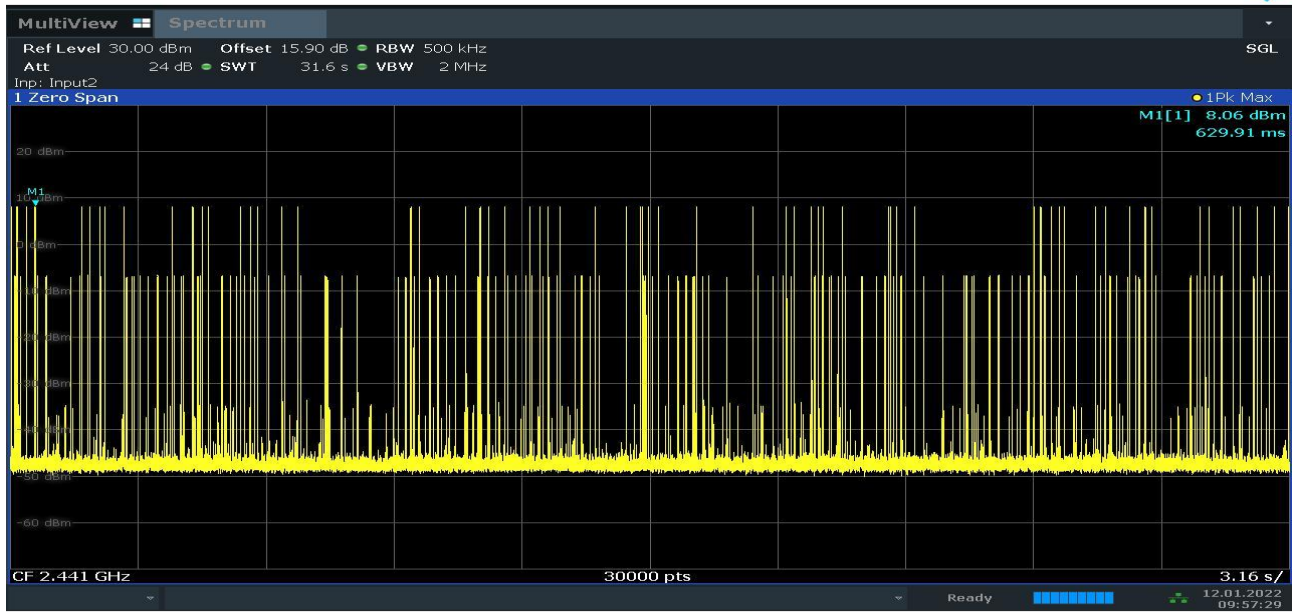


09:56:23 12.01.2022



09:56:43 12.01.2022

TM3_Ant1_Hop



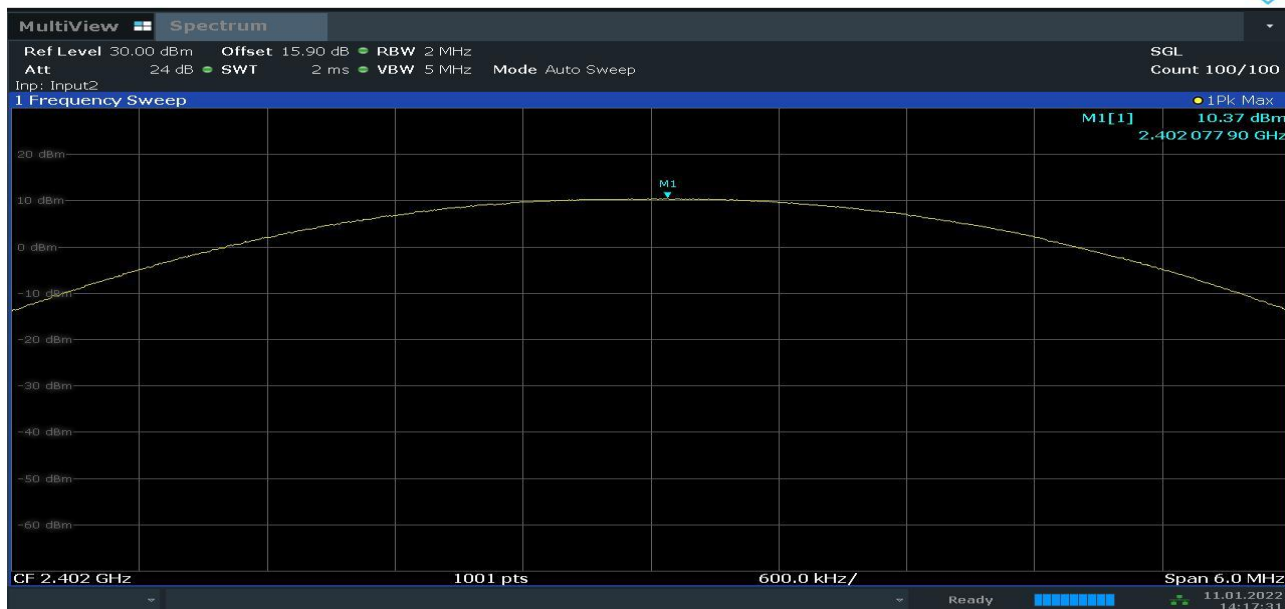
6. Appendix E: Maximum Peak output power

6.1 Test Result

TestMode	Antenna	Channel	Conducted Result[dBm]	Conducted Limit[dBm]	EIRP Result[dBm]	EIRP Result[dBm]	Verdict
TM1	Ant1	2402	10.37	30	8.07	36	PASS
		2441	9.85	30	7.55	36	PASS
		2480	9.88	30	7.58	36	PASS
TM2	Ant1	2402	11.14	30	8.84	36	PASS
		2441	10.61	30	8.31	36	PASS
		2480	10.6	30	8.3	36	PASS
TM3	Ant1	2402	11.38	30	9.08	36	PASS
		2441	10.9	30	8.6	36	PASS
		2480	10.88	30	8.68	36	PASS

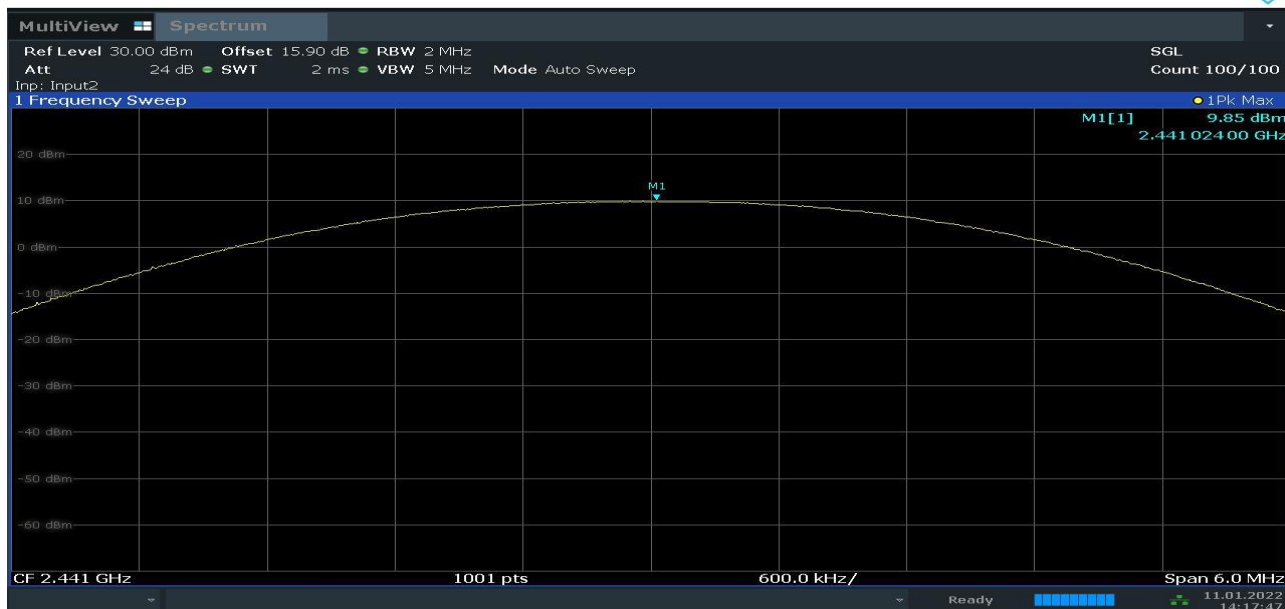
6.2 Test Graphs

TM1_Ant1_2402



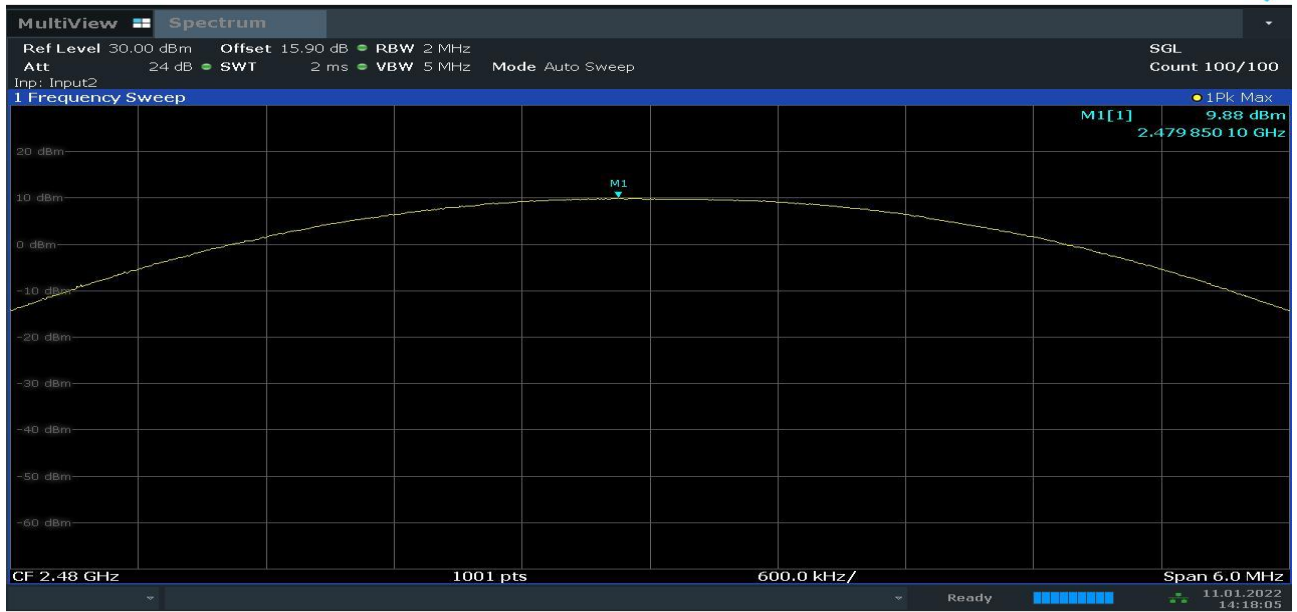
14:17:32 11.01.2022

TM1_Ant1_2441



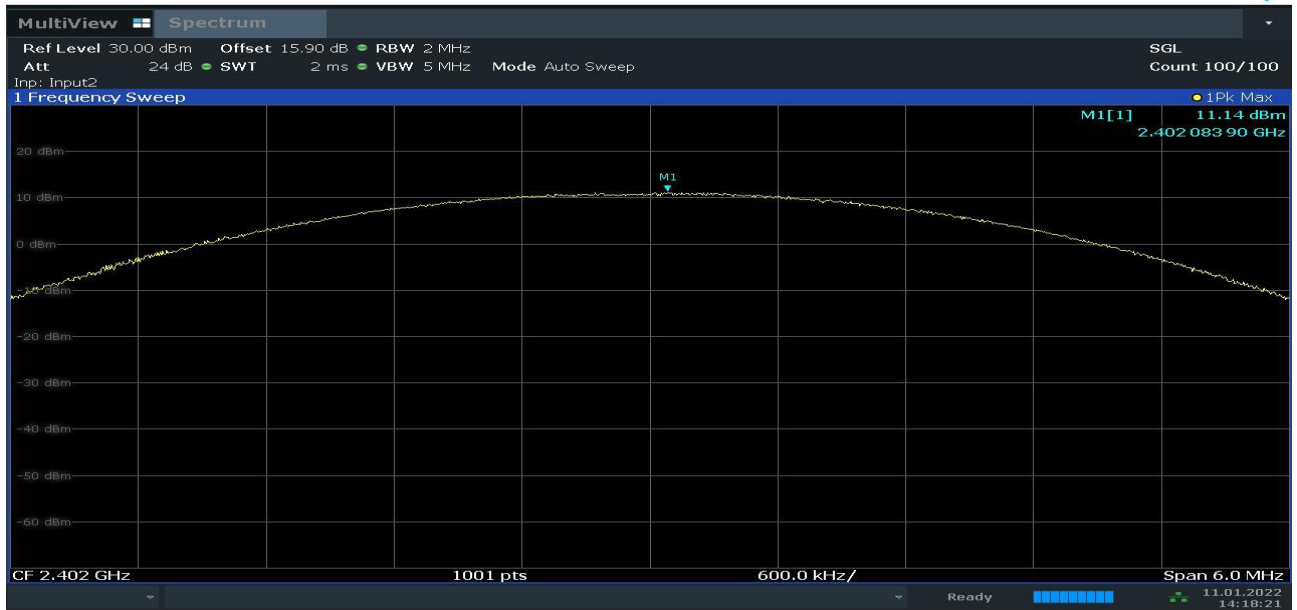
14:17:48 11.01.2022

TM1_Ant1_2480



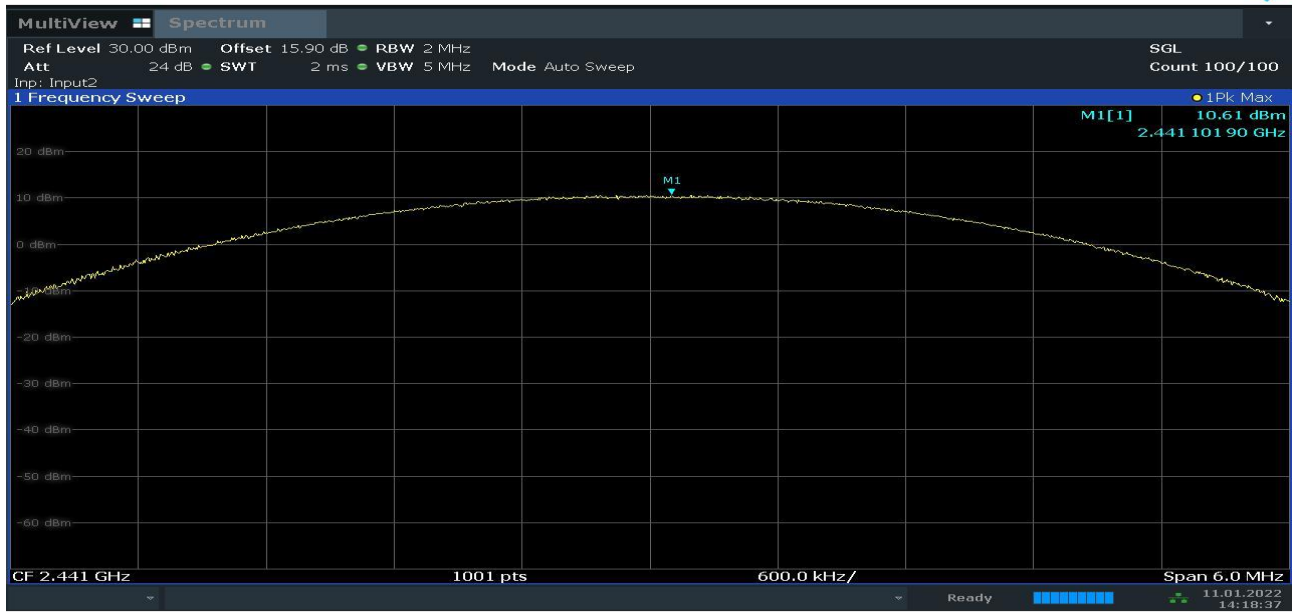
14:18:05 11.01.2022

TM2_Ant1_2402

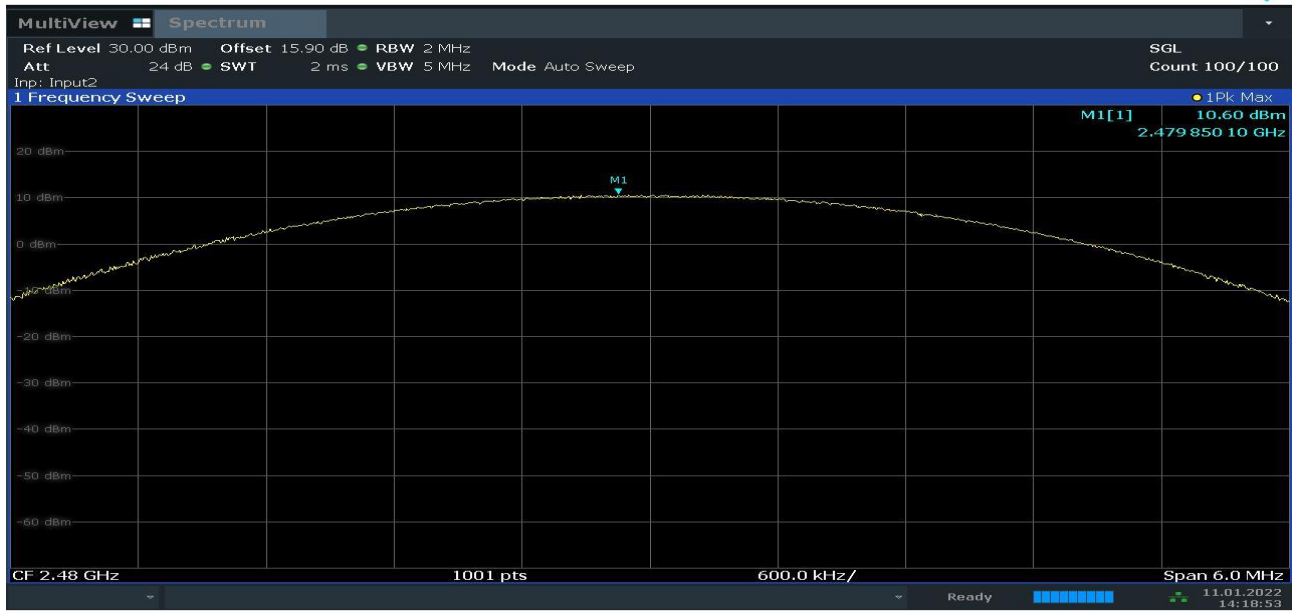


14:18:21 11.01.2022

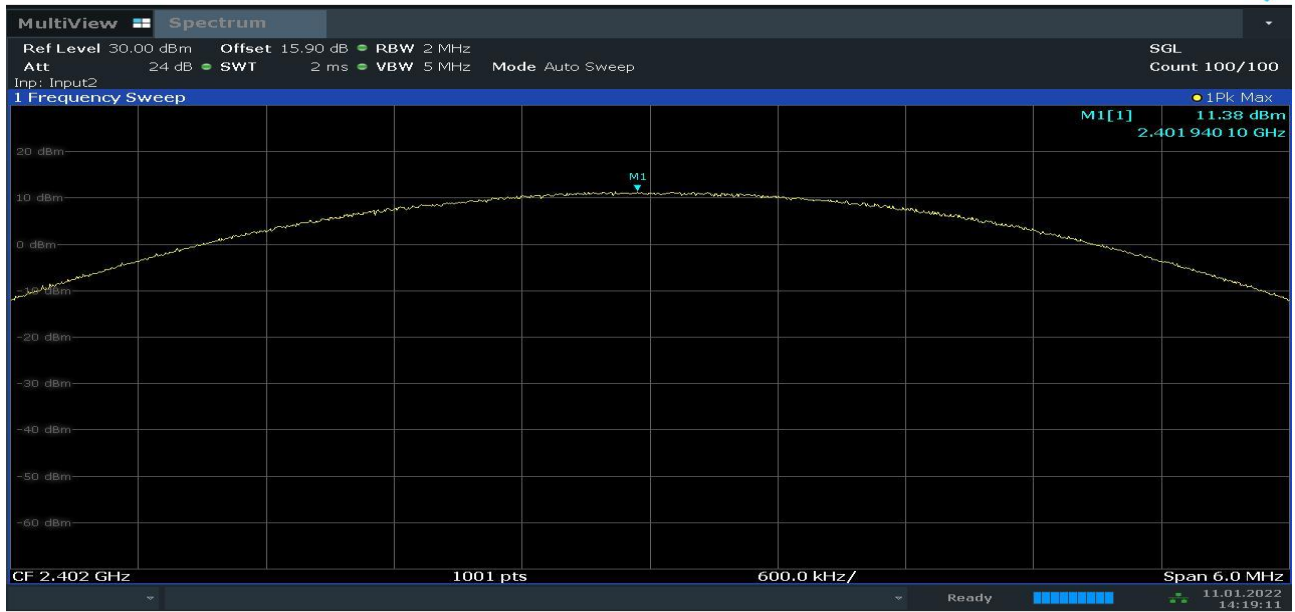
TM2_Ant1_2441



TM2_Ant1_2480

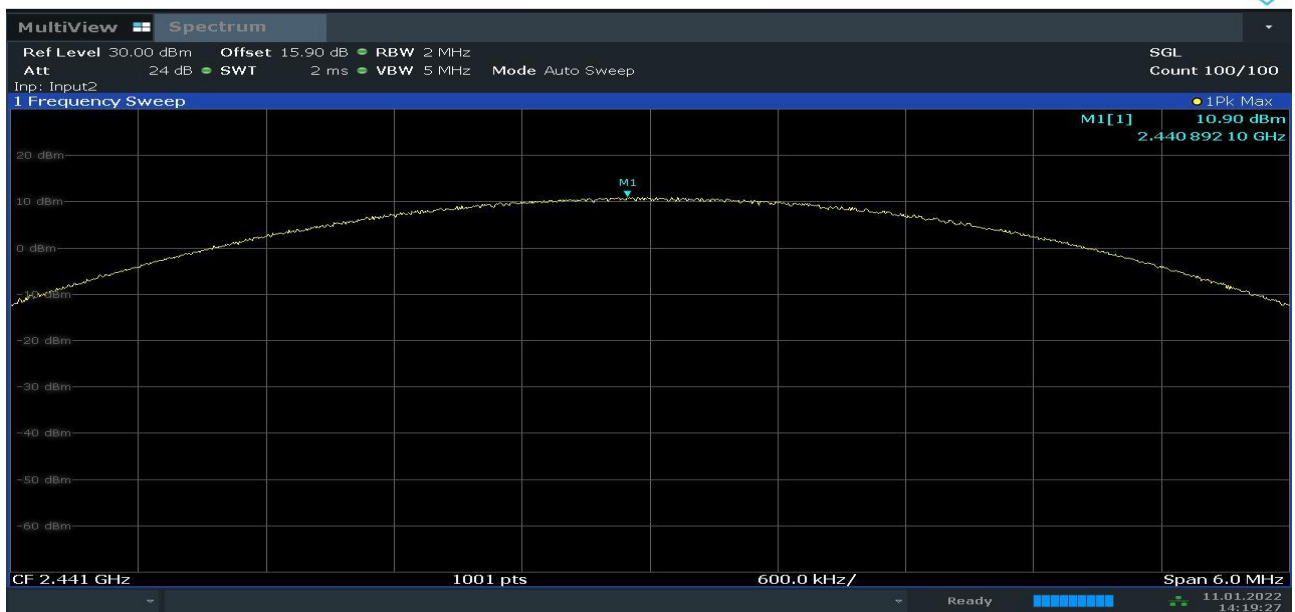


TM3_Ant1_2402



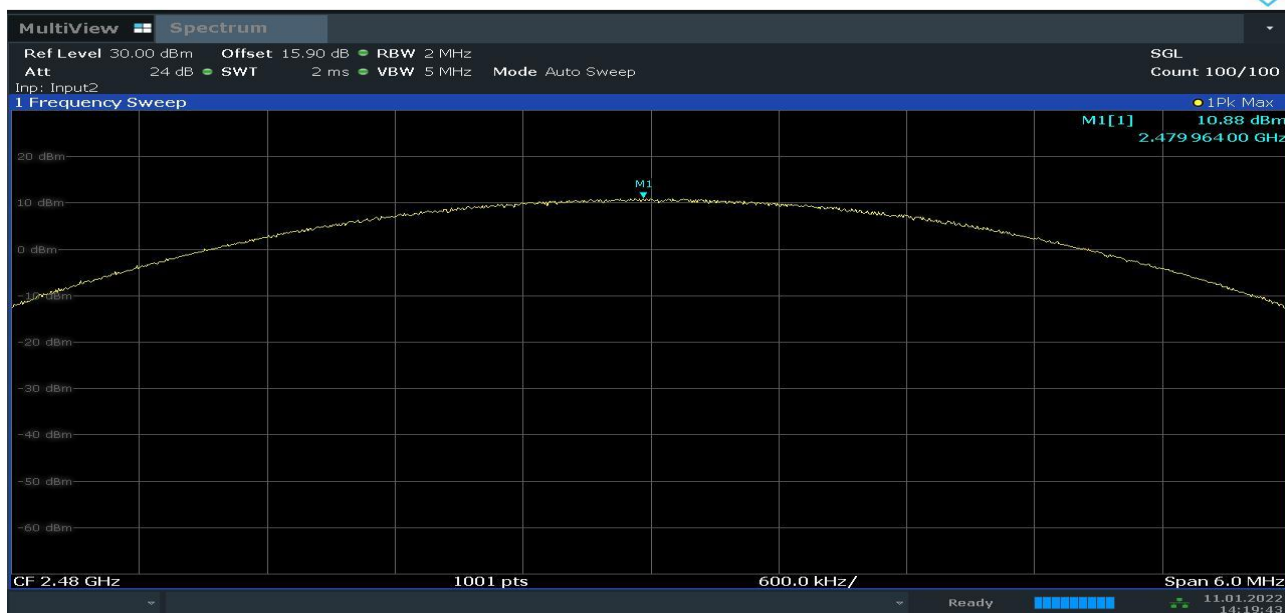
14:19:11 11.01.2022

TM3_Ant1_2441



14:19:27 11.01.2022

TM3_Ant1_2480



7. Appendix F: Band edge measurements

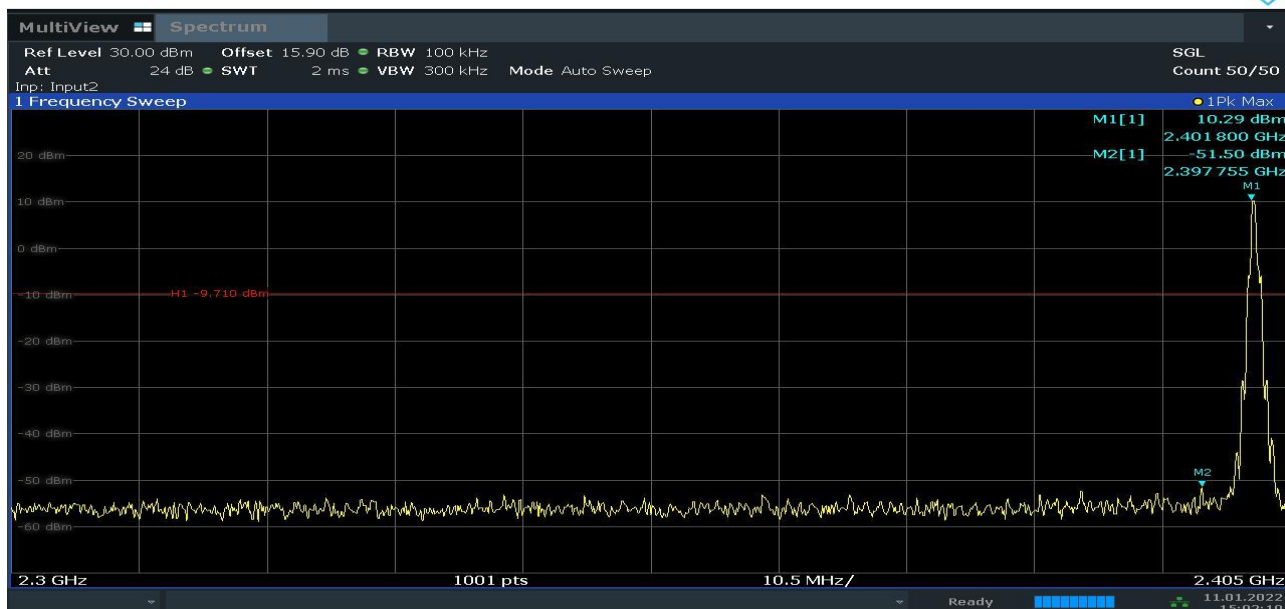
7.1 Test Result

TestMode	Antenna	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
TM1	Ant1	2402	10.29	-51.503	-9.71	PASS
		2480	9.13	-53.33	-10.87	PASS
		Hop_2402	10.17	-51.859	-9.83	PASS
		Hop_2480	9.78	-52.219	-10.22	PASS
TM2	Ant1	2402	8.21	-46.353	-11.79	PASS
		2480	5.58	-52.603	-14.42	PASS
		Hop_2402	6.16	-48.994	-13.84	PASS
		Hop_2480	6.6	-52.832	-13.4	PASS
TM3	Ant1	2402	6.3	-45.72	-13.7	PASS
		2480	4.15	-53.637	-15.85	PASS
		Hop_2402	5.94	-48.338	-14.06	PASS
		Hop_2480	5.88	-52.331	-14.12	PASS



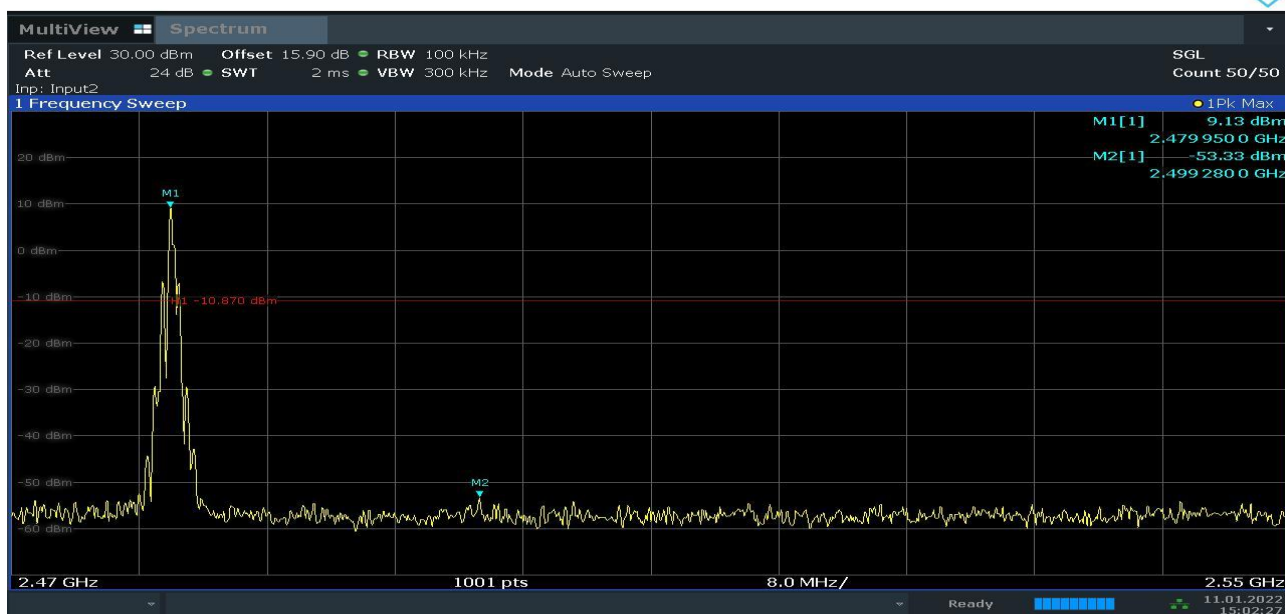
7.2 Test Graphs

TM1_Ant1_Low_2402



15:02:10 11.01.2022

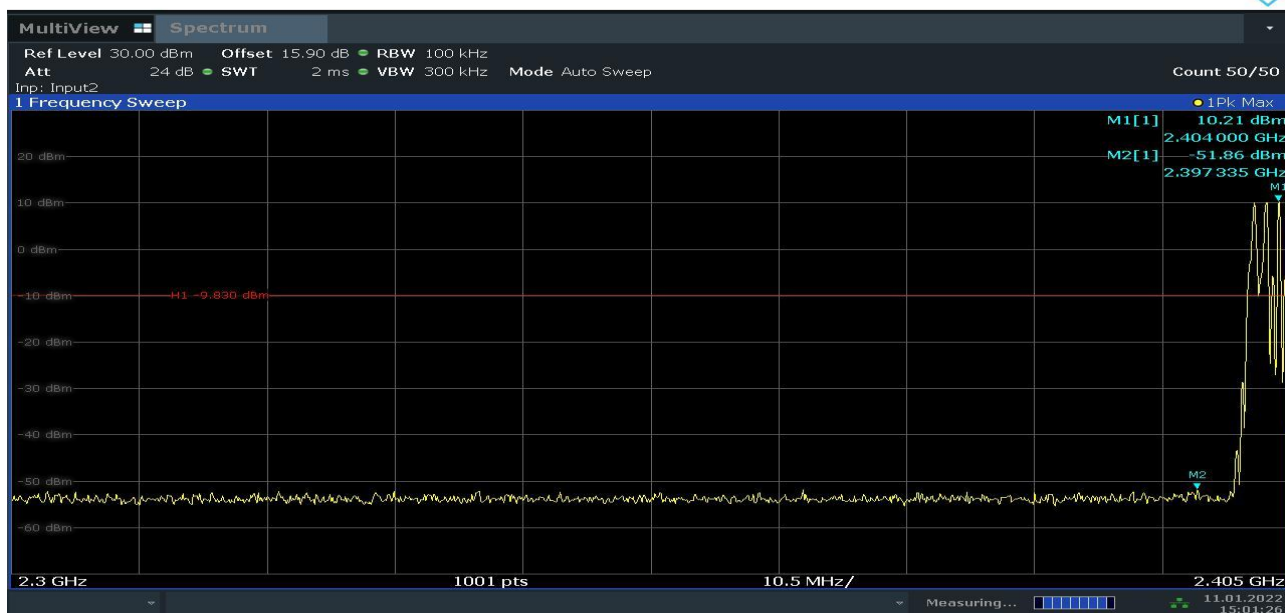
TM1_Ant1_High_2480



15:02:28 11.01.2022

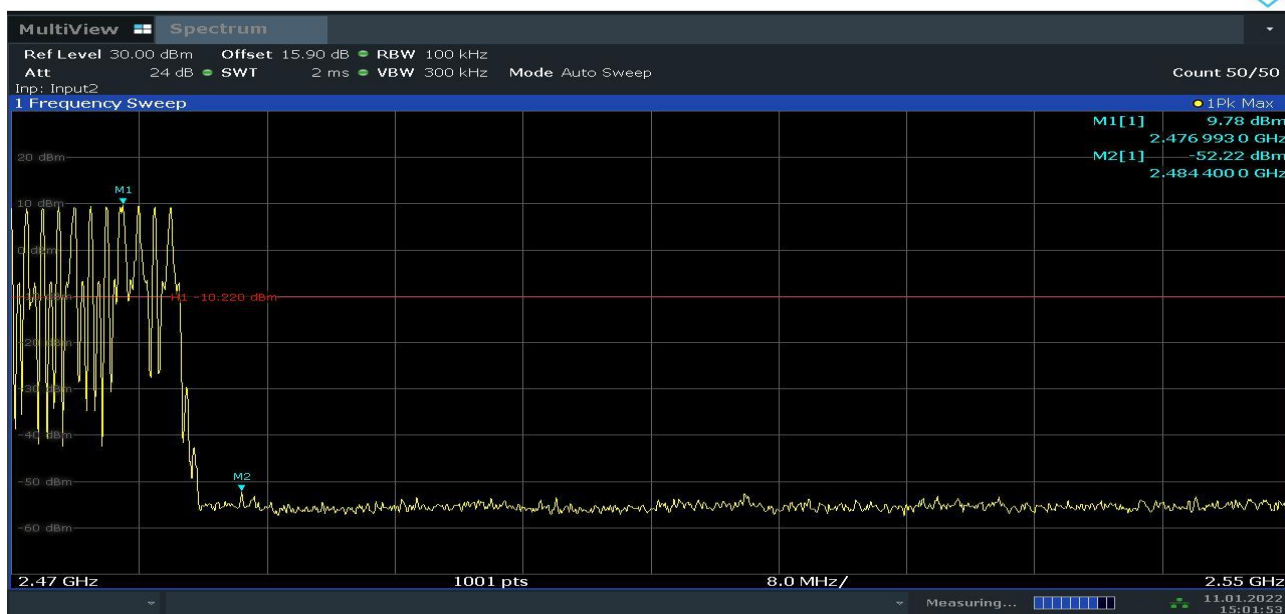


TM1_Ant1_Low_Hop_2402



15:01:27 11.01.2022

TM1_Ant1_High_Hop_2480



15:01:54 11.01.2022