

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	0.936	2401.54	2402.476	---	PASS
		2441	0.932	2440.542	2441.474	---	PASS
		2480	0.934	2479.542	2480.476	---	PASS
TM2	Ant1	2402	1.234	2401.378	2402.612	---	PASS
		2441	1.24	2440.378	2441.618	---	PASS
		2480	1.244	2479.378	2480.622	---	PASS
TM3	Ant1	2402	1.24	2401.37	2402.61	---	PASS
		2441	1.262	2440.362	2441.624	---	PASS
		2480	1.266	2479.36	2480.626	---	PASS

1.2 Test Graphs

TM1_Ant1_2402



TM1_Ant1_2441



TM1_Ant1_2480



TM2_Ant1_2402



TM2_Ant1_2441



TM2_Ant1_2480



TM3_Ant1_2402

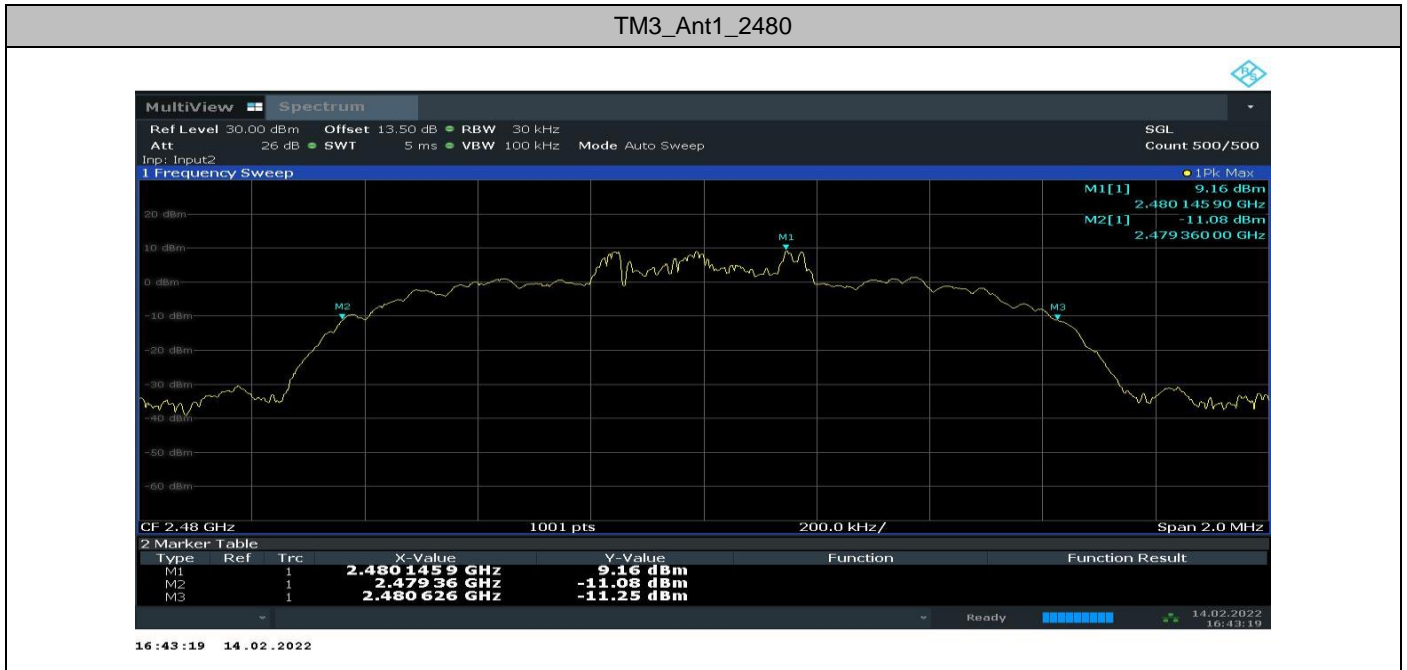


16:42:25 14.02.2022

TM3_Ant1_2441



16:42:52 14.02.2022



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	0.835	2401.58	2402.41	---	PASS
		2441	0.821	2440.58	2441.40	---	PASS
		2480	0.832	2479.58	2480.41	---	PASS
TM2	Ant1	2402	1.138	2401.42	2402.56	---	PASS
		2441	1.135	2440.43	2441.56	---	PASS
		2480	1.152	2479.42	2480.57	---	PASS
TM3	Ant1	2402	1.128	2401.44	2402.56	---	PASS
		2441	1.130	2440.43	2441.56	---	PASS
		2480	1.141	2479.43	2480.57	---	PASS

2.2 Test Graphs

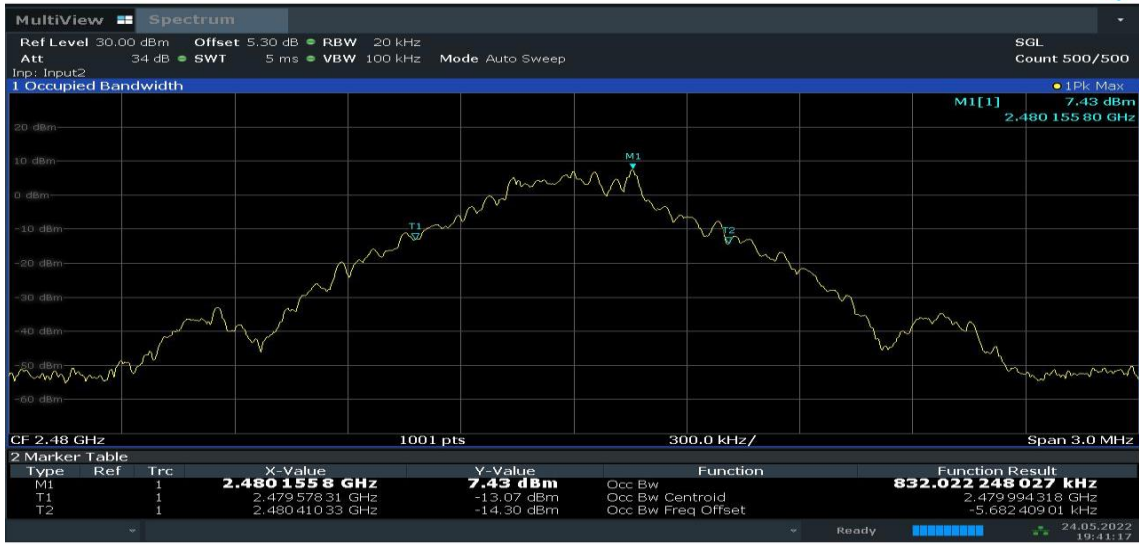
TM1_Ant1_2402



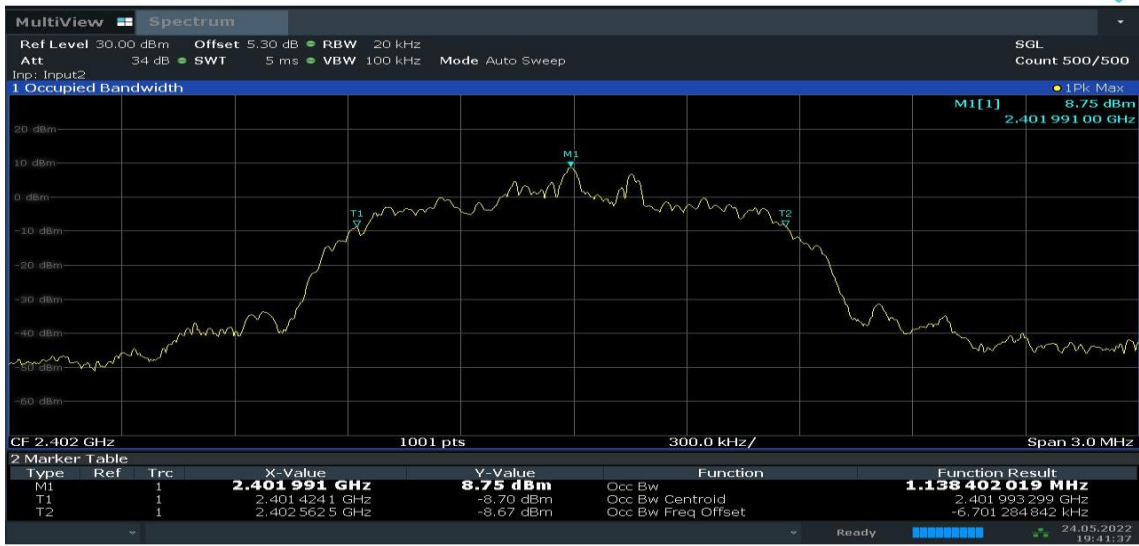
TM1_Ant1_2441



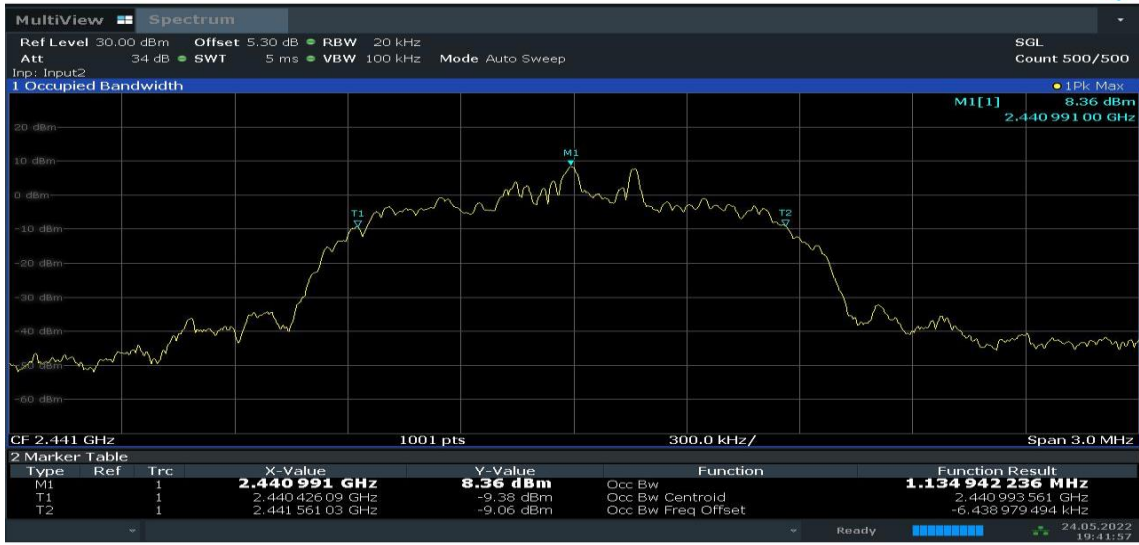
TM1_Ant1_2480



TM2_Ant1_2402

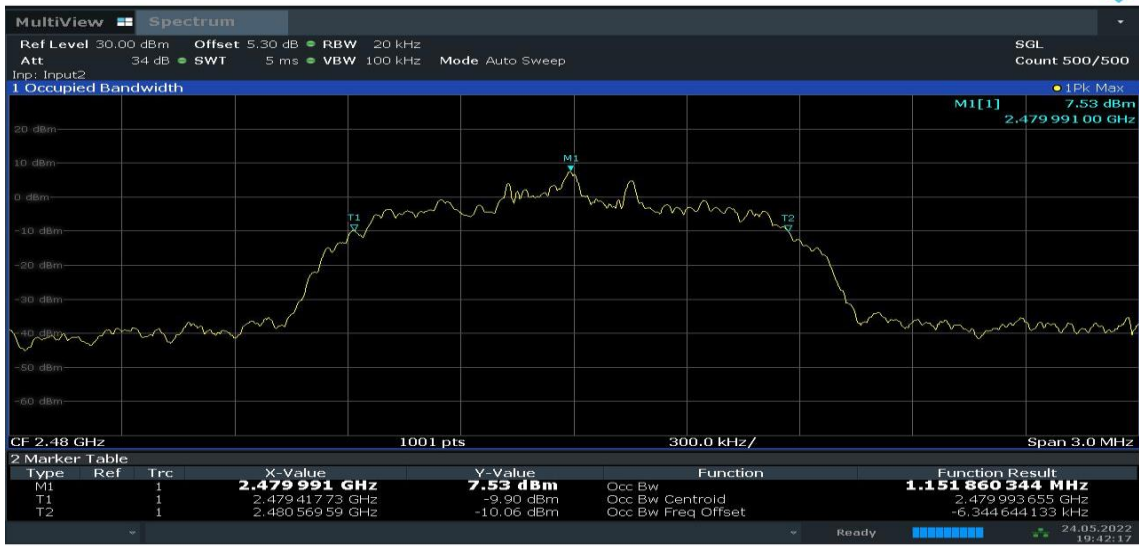


TM2_Ant1_2441



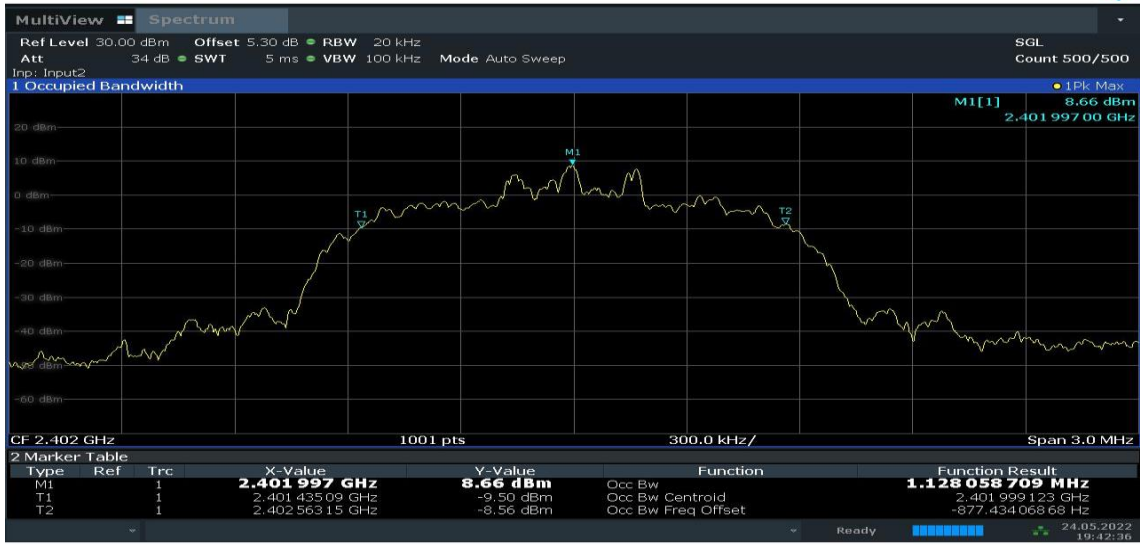
19:41:57 24.05.2022

TM2_Ant1_2480



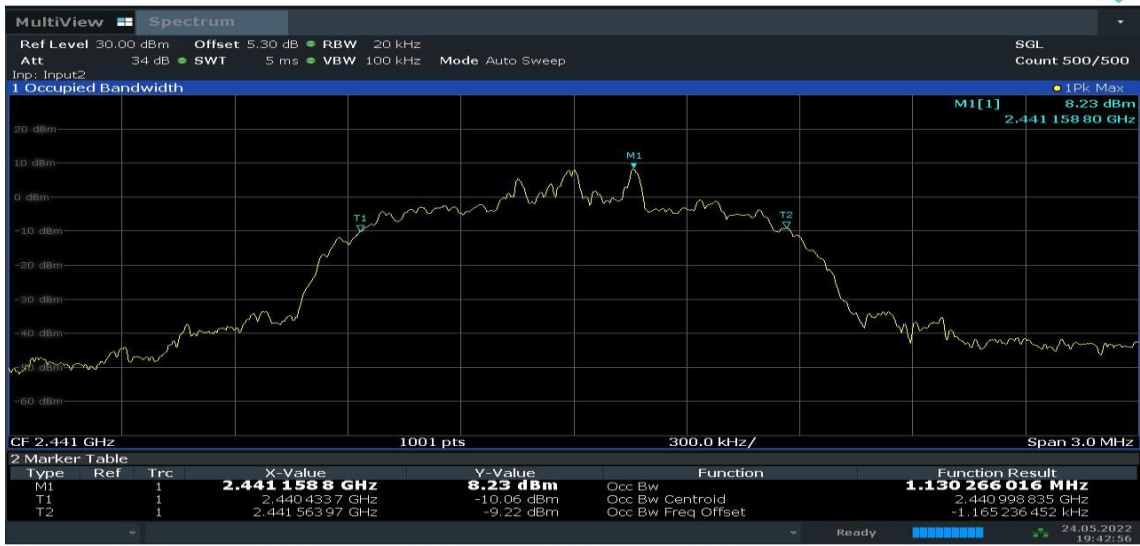
19:42:17 24.05.2022

TM3_Ant1_2402



19:42:37 24.05.2022

TM3_Ant1_2441



19:42:57 24.05.2022

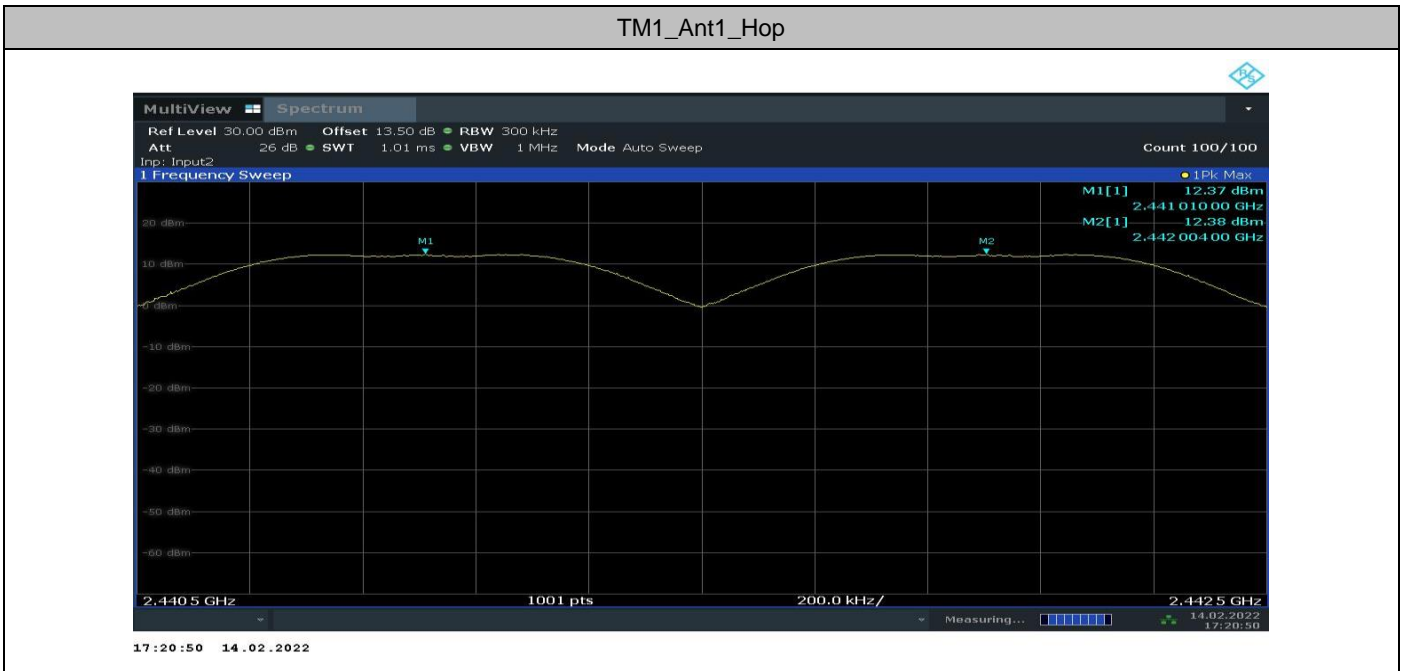


3. Appendix B: Carrier frequency separation

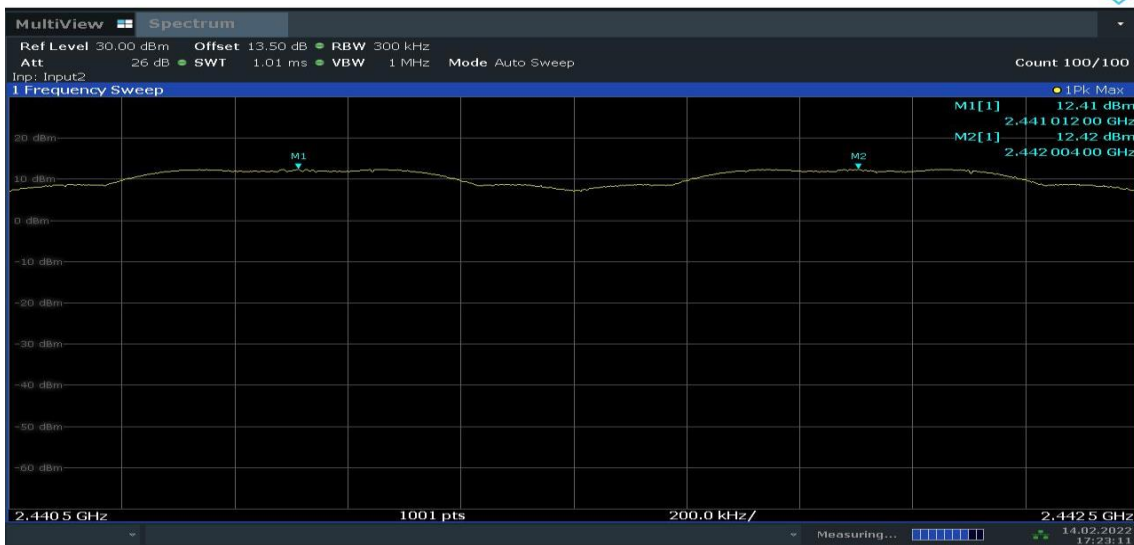
3.1 Test Result

TestMode	Antenna	Channel	CarrierFrequency Separation [MHz]	Limit[MHz]	Verdict
TM1	Ant1	Hop	0.994	≥ 0.624	PASS
TM2	Ant1	Hop	0.992	≥ 0.829	PASS
TM3	Ant1	Hop	0.984	≥ 0.844	PASS

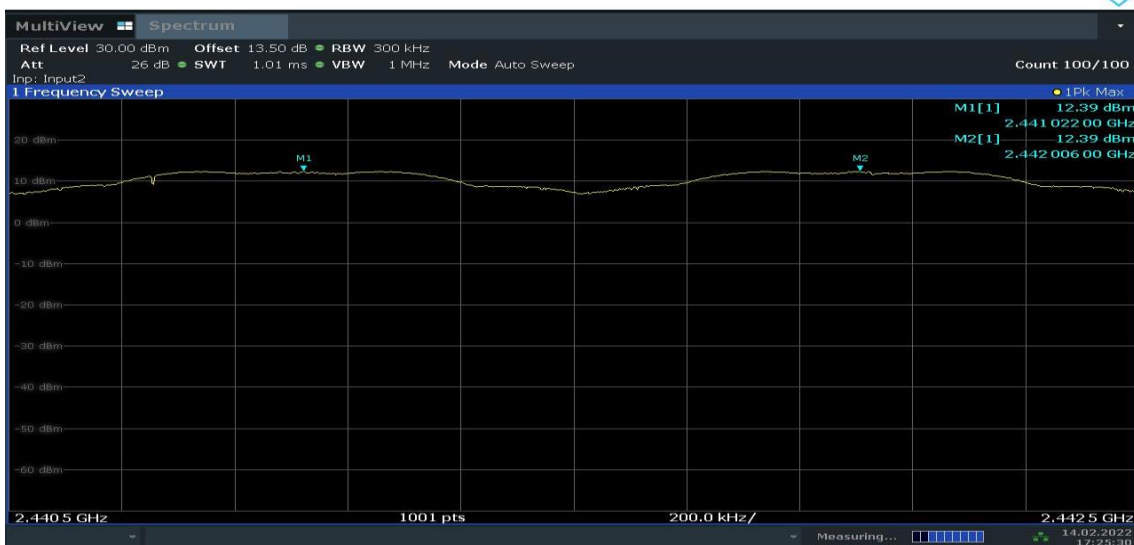
3.2 Test Graphs



TM2_Ant1_Hop



TM3_Ant1_Hop

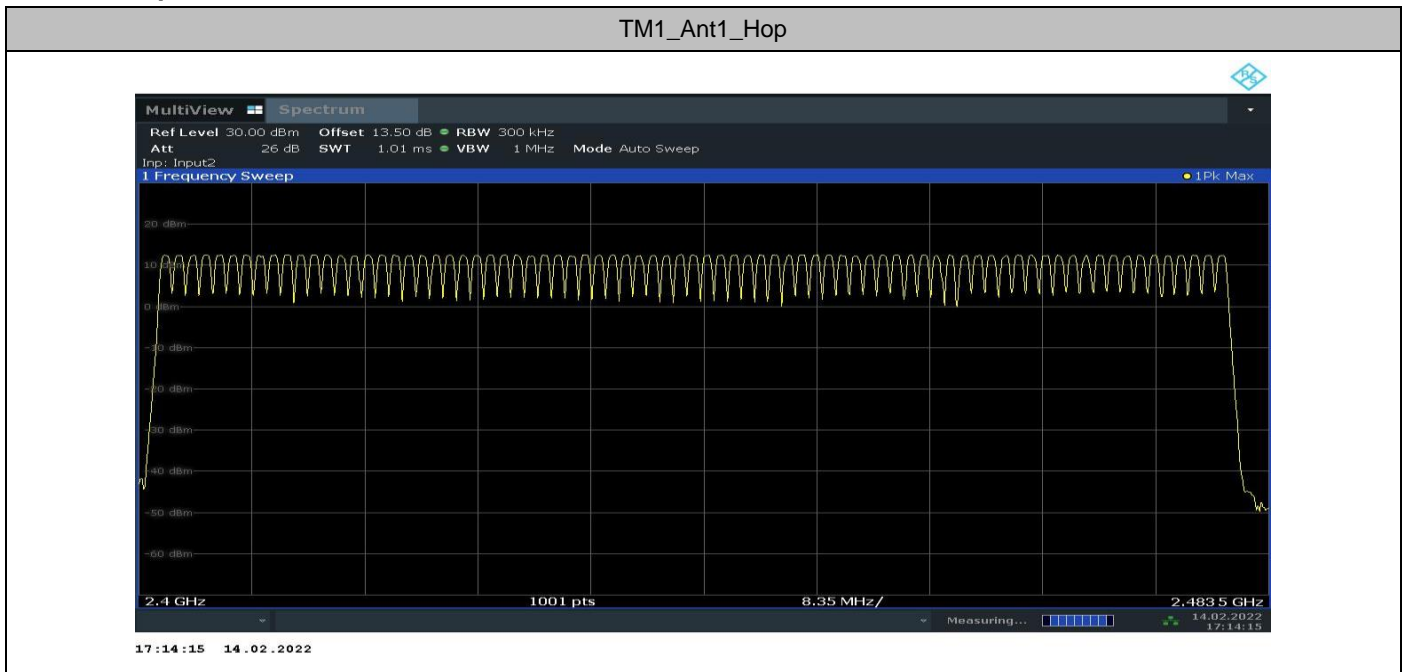


4. Appendix C: Number of hopping channels

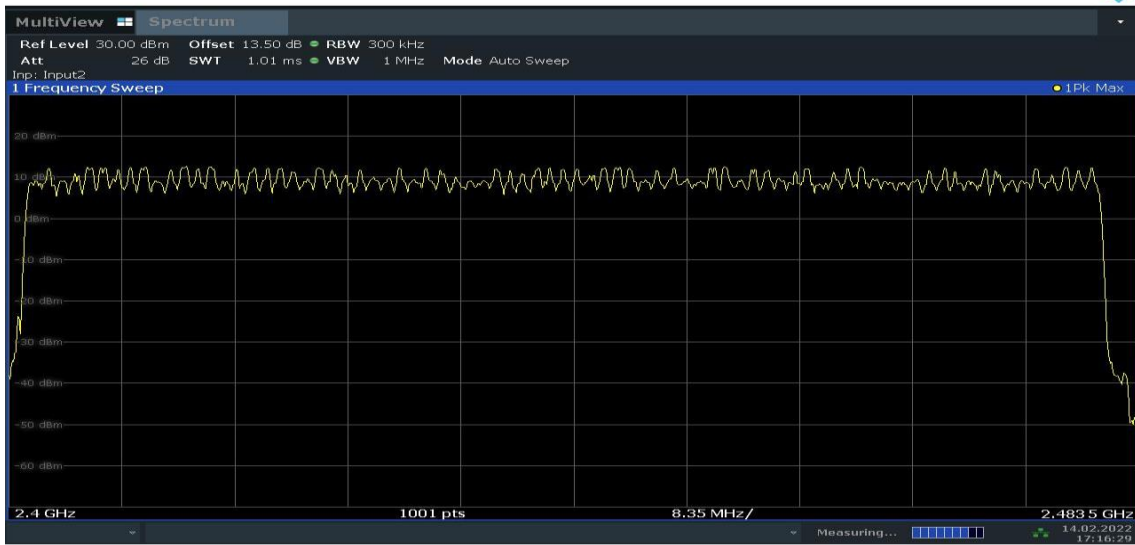
4.1 Test Result

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

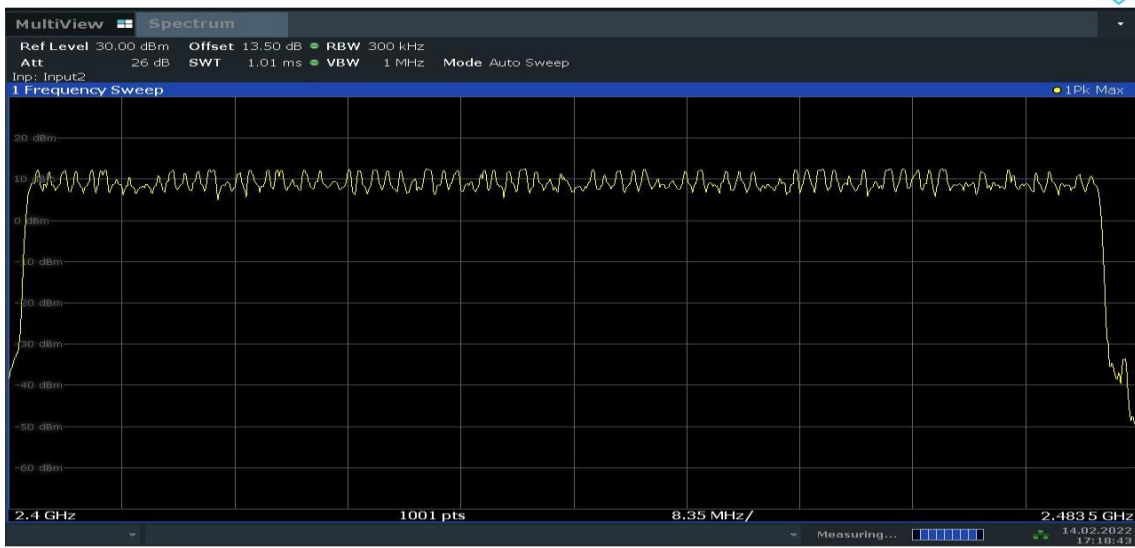
4.2 Test Graphs



TM2_Ant1_Hop



TM3_Ant1_Hop



5. Appendix D: Time of occupancy

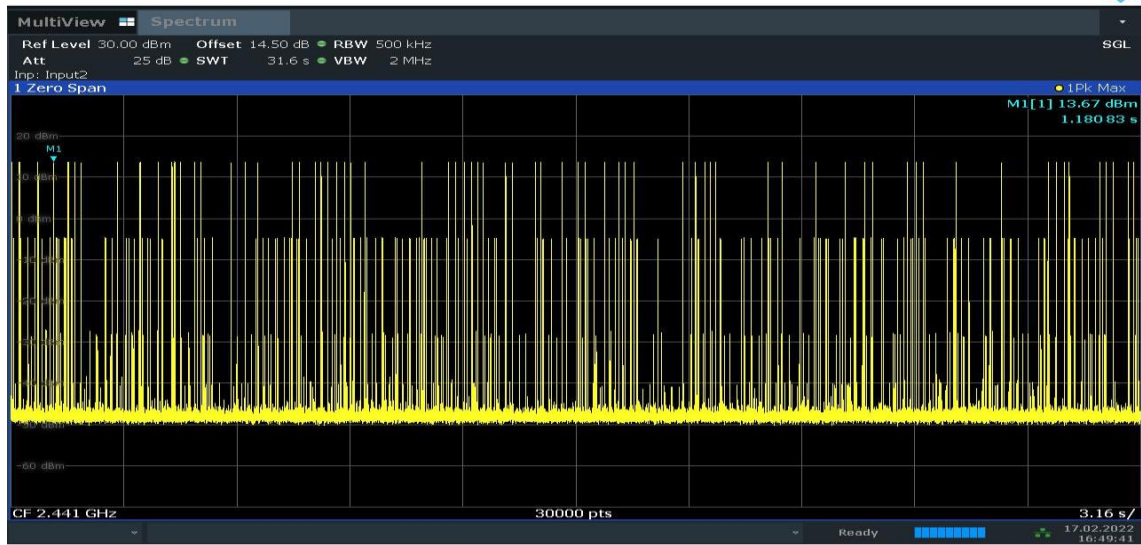
5.1 Test Result

TestMode	Antenna	Channel	Burst Width [ms/hop/ch]	Total Hops [hop*ch]	Dwell Time [s]	Limit[s]	Verdict
TM1	Ant1	Hop	2.877	64	0.184	<=0.4	PASS
TM2	Ant1	Hop	2.882	72	0.208	<=0.4	PASS
TM3	Ant1	Hop	2.882	73	0.21	<=0.4	PASS

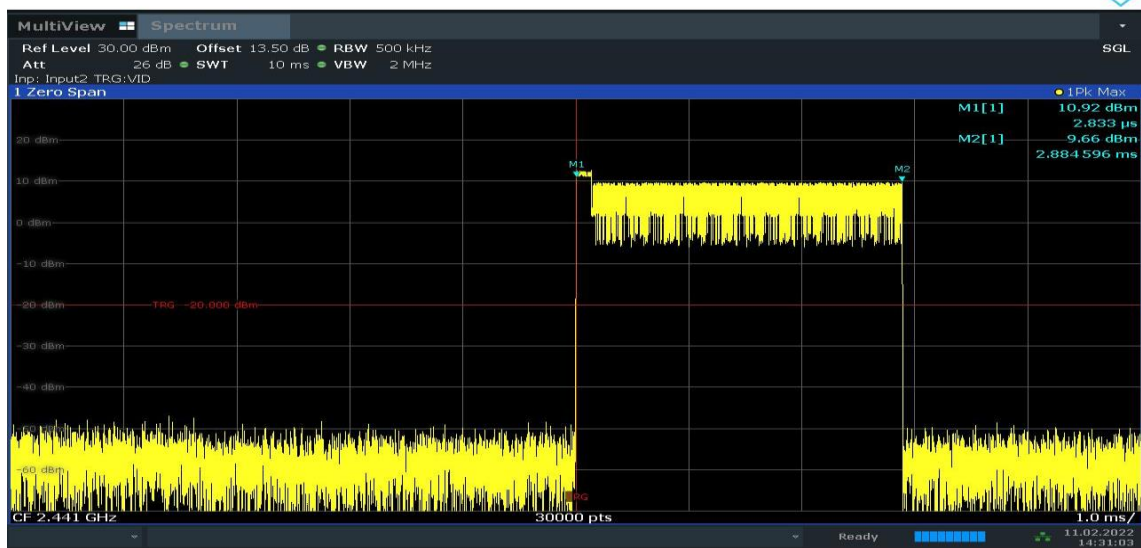
5.2 Test Graphs



TM2_Ant1_Hop

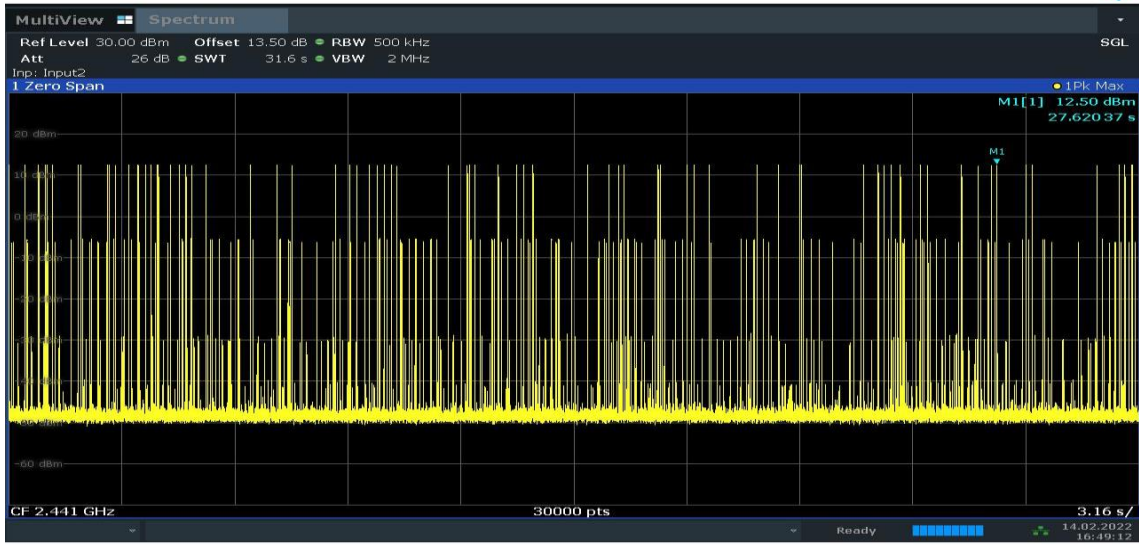


16:49:41 17.02.2022

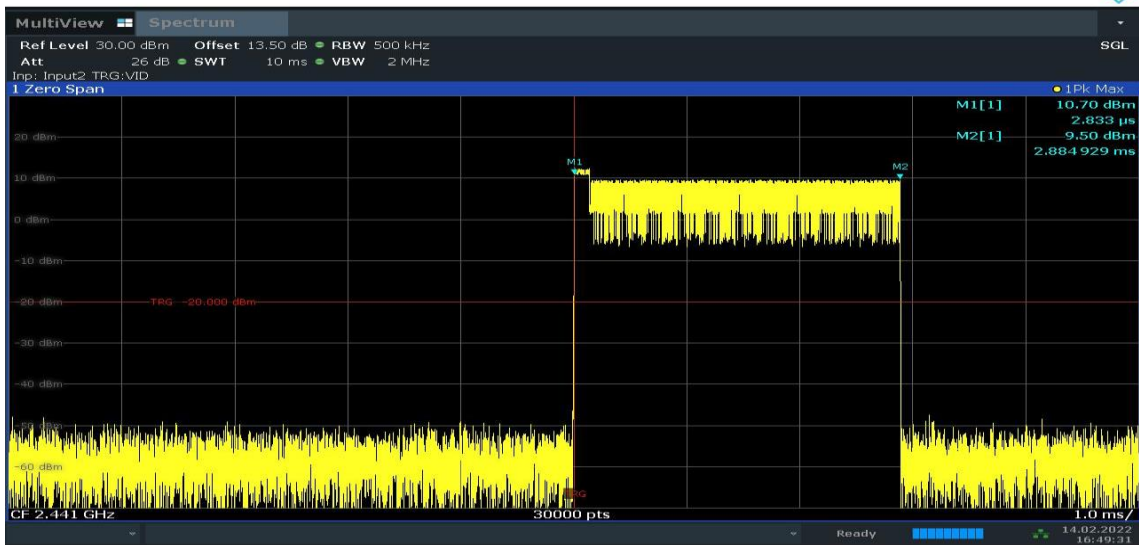


14:31:04 11.02.2022

TM3_Ant1_Hop



16:49:12 14.02.2022



16:49:31 14.02.2022

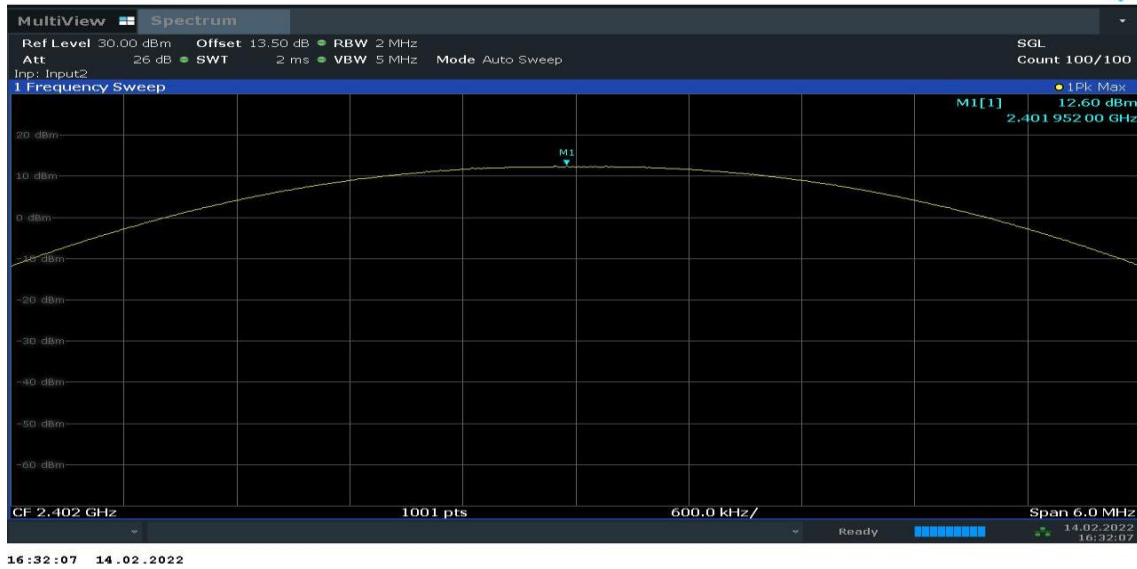
6. Appendix E: Maximum Peak output power

6.1 Test Result

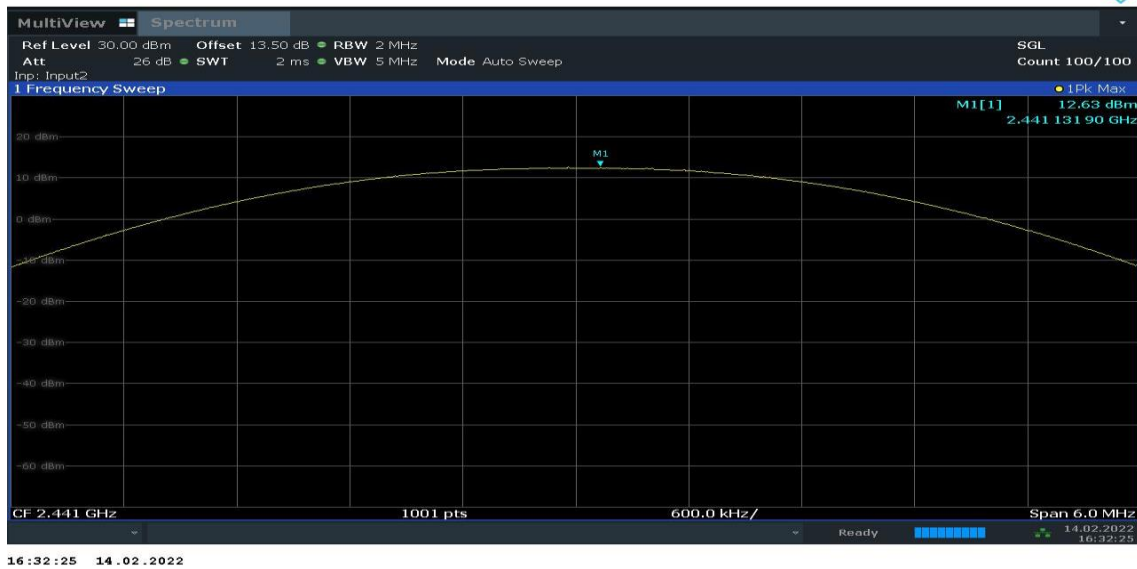
TestMode	Antenna	Channel	Conducted Result[dBm]	Conducted Limit[dBm]	EIRP Result[dBm]	EIRP Result[dBm]	Verdict
TM1	Ant1	2402	12.6	30	5.6	36	PASS
		2441	12.63	30	5.63	36	PASS
		2480	12.39	30	5.39	36	PASS
TM2	Ant1	2402	12.56	30	5.56	36	PASS
		2441	12.62	30	5.62	36	PASS
		2480	12.39	30	5.39	36	PASS
TM3	Ant1	2402	12.6	30	5.6	36	PASS
		2441	12.63	30	5.63	36	PASS
		2480	12.42	30	5.42	36	PASS

6.2 Test Graphs

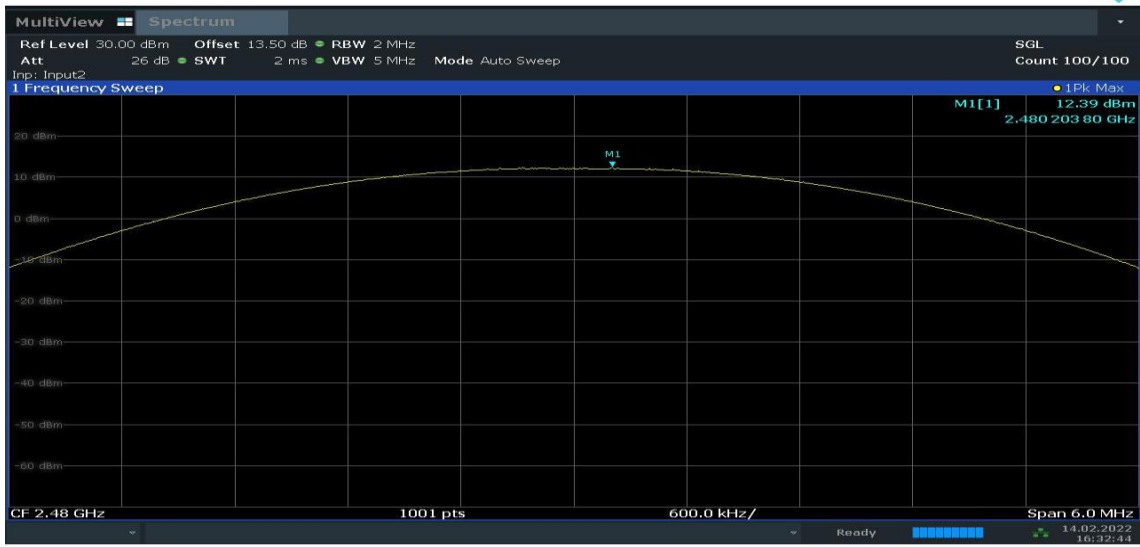
TM1_Ant1_2402



TM1_Ant1_2441

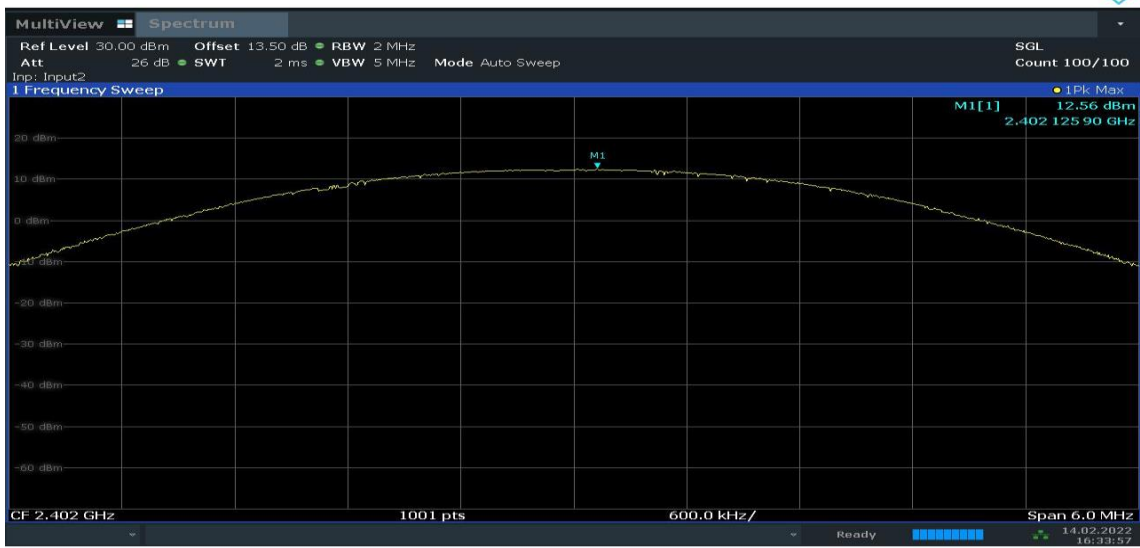


TM1_Ant1_2480



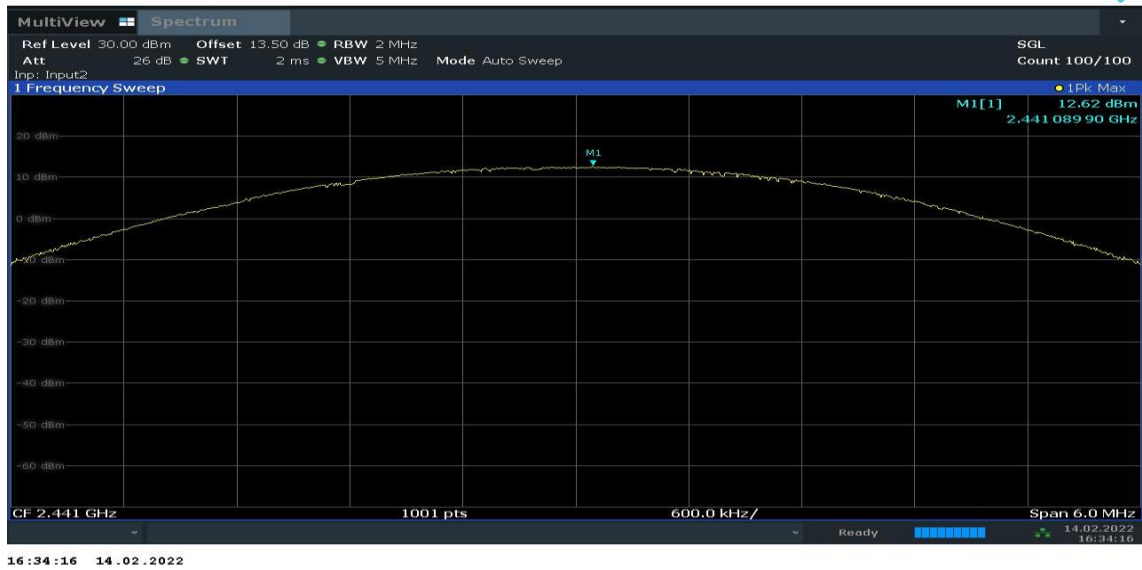
16:32:44 14.02.2022

TM2_Ant1_2402

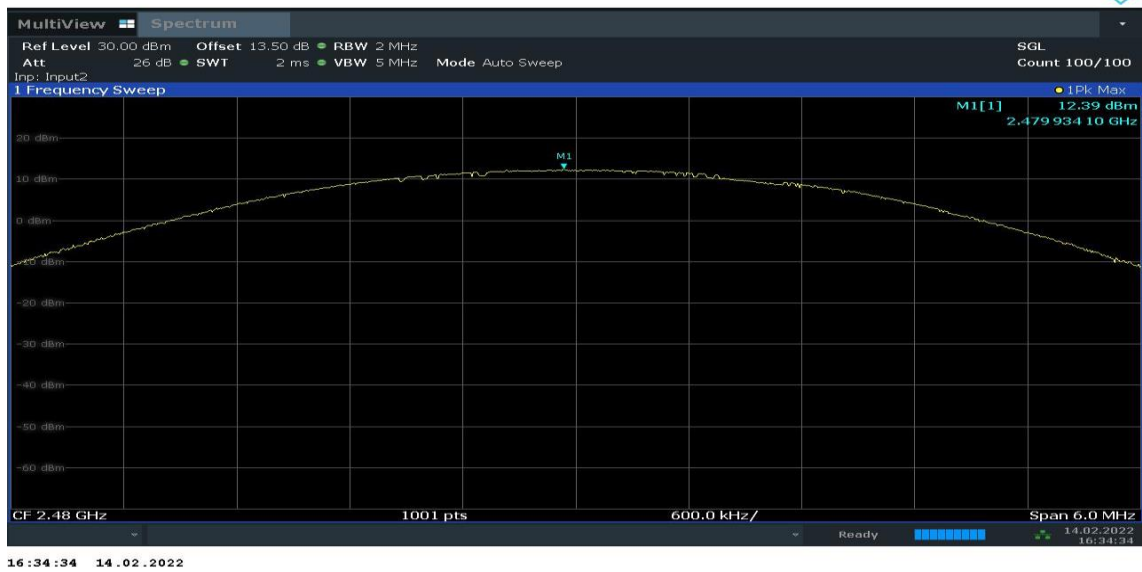


16:33:57 14.02.2022

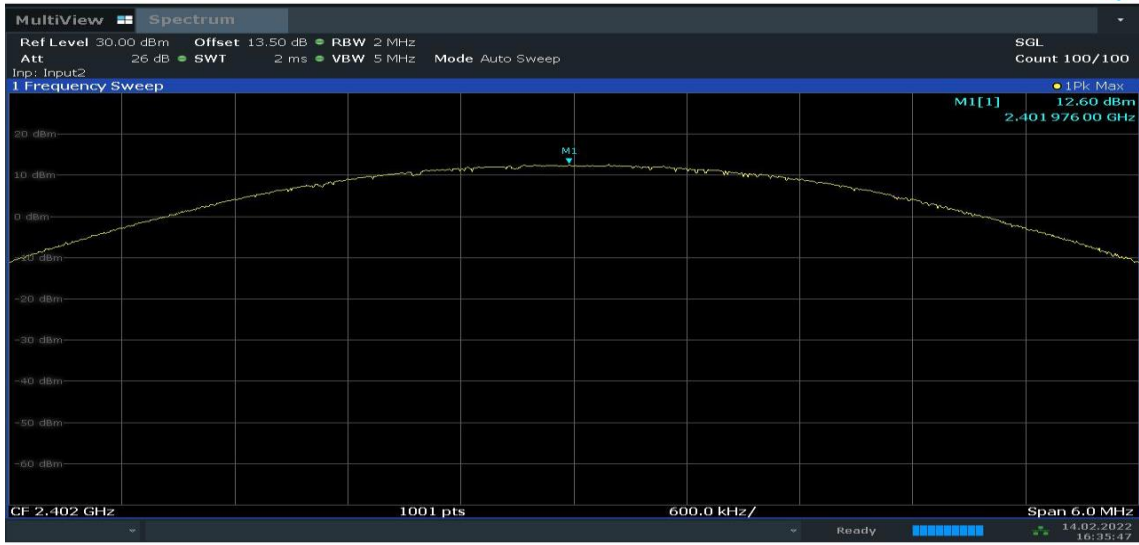
TM2_Ant1_2441



TM2_Ant1_2480

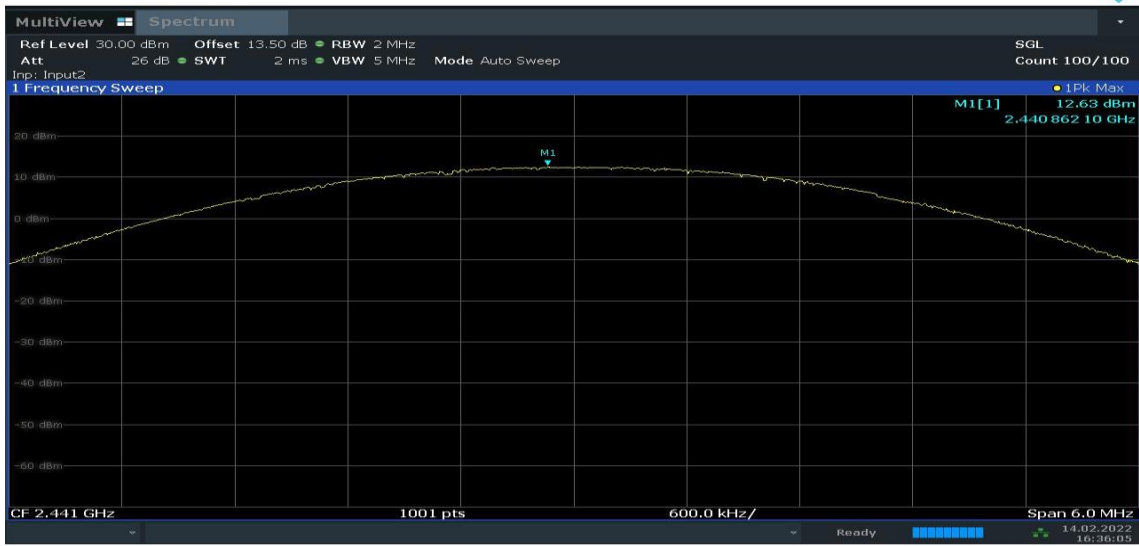


TM3_Ant1_2402



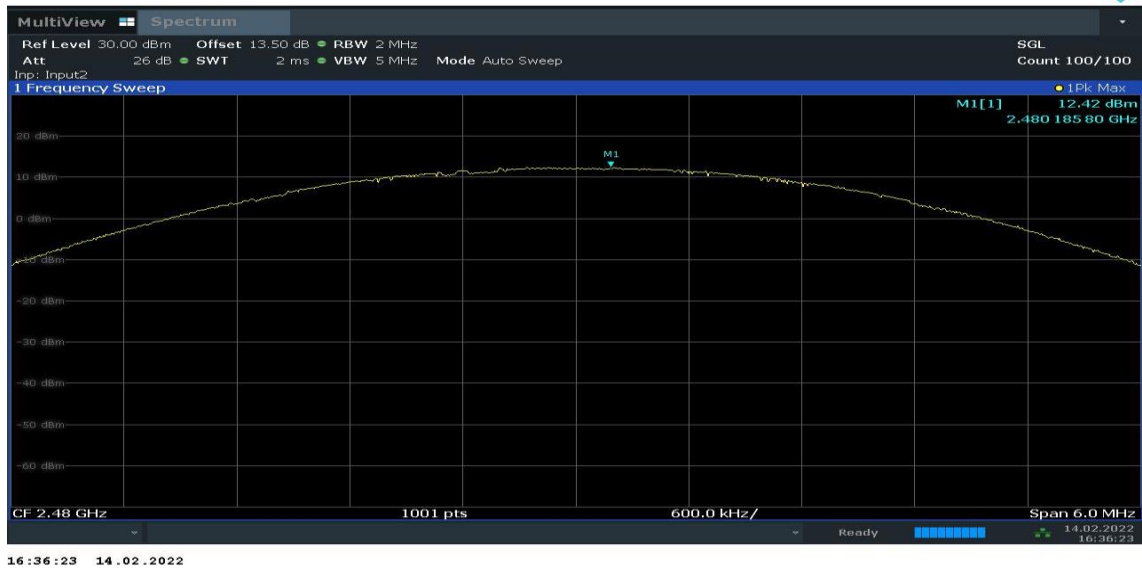
16:35:47 14.02.2022

TM3_Ant1_2441



16:36:05 14.02.2022

TM3_Ant1_2480



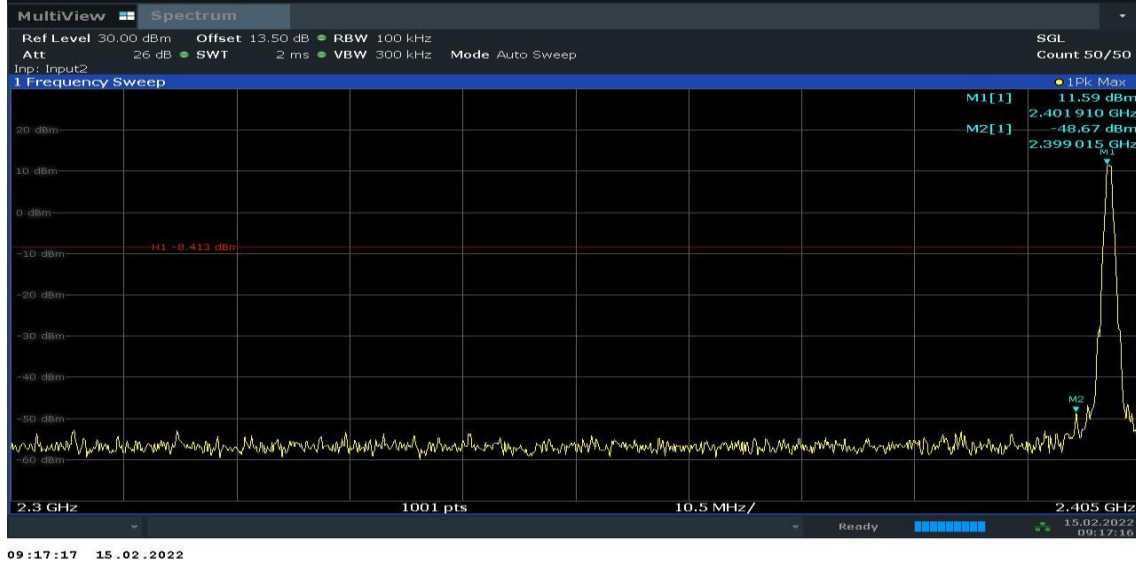
7. Appendix F: Band edge measurements

7.1 Test Result

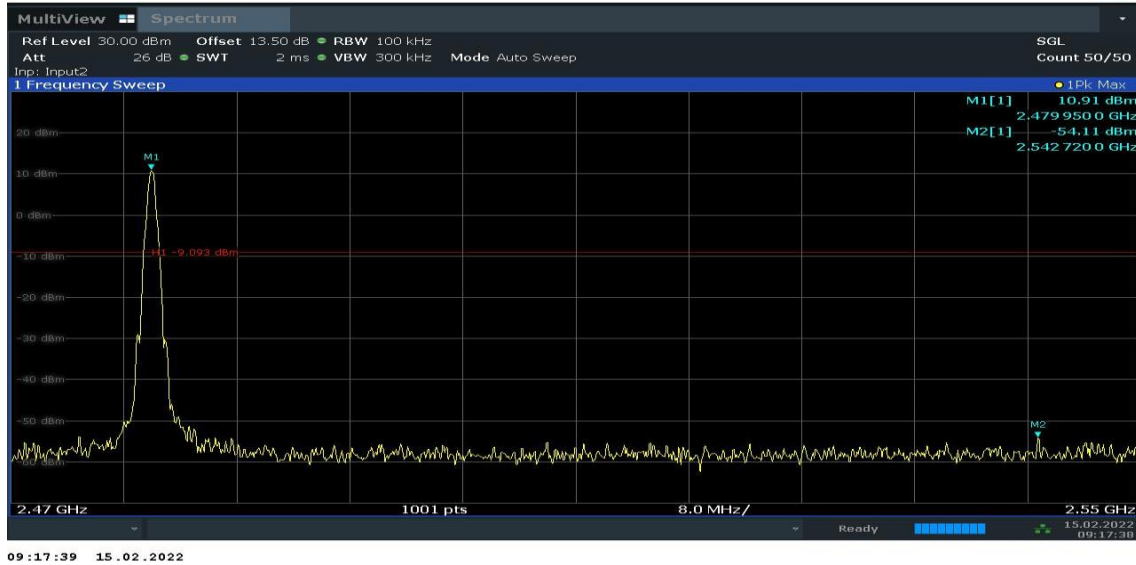
TestMode	Antenna	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
TM1	Ant1	2402	11.587	-48.668	-8.413	PASS
		2480	10.907	-54.106	-9.093	PASS
		Hop_2402	11.955	-46.313	-8.045	PASS
		Hop_2480	11.385	-52.045	-8.615	PASS
TM2	Ant1	2402	10.037	-41.086	-9.963	PASS
		2480	10.934	-52.574	-9.066	PASS
		Hop_2402	12.336	-39.102	-7.664	PASS
		Hop_2480	11.583	-52.816	-8.417	PASS
TM3	Ant1	2402	12.242	-40.416	-7.758	PASS
		2480	7.308	-54.171	-12.692	PASS
		Hop_2402	11.955	-39.672	-8.045	PASS
		Hop_2480	11.385	-52.62	-8.615	PASS

7.2 Test Graphs

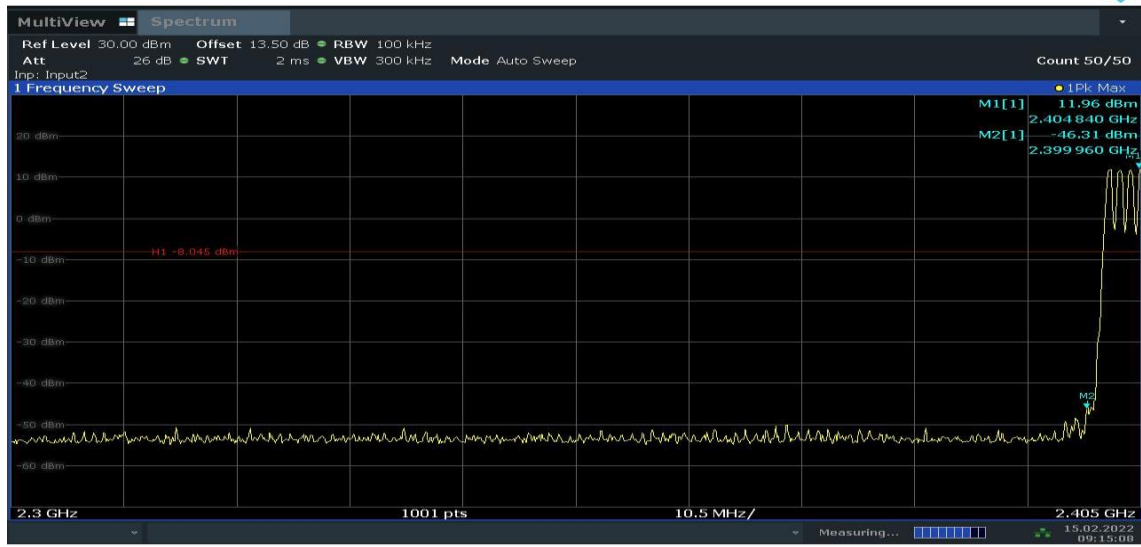
TM1_Ant1_Low_2402



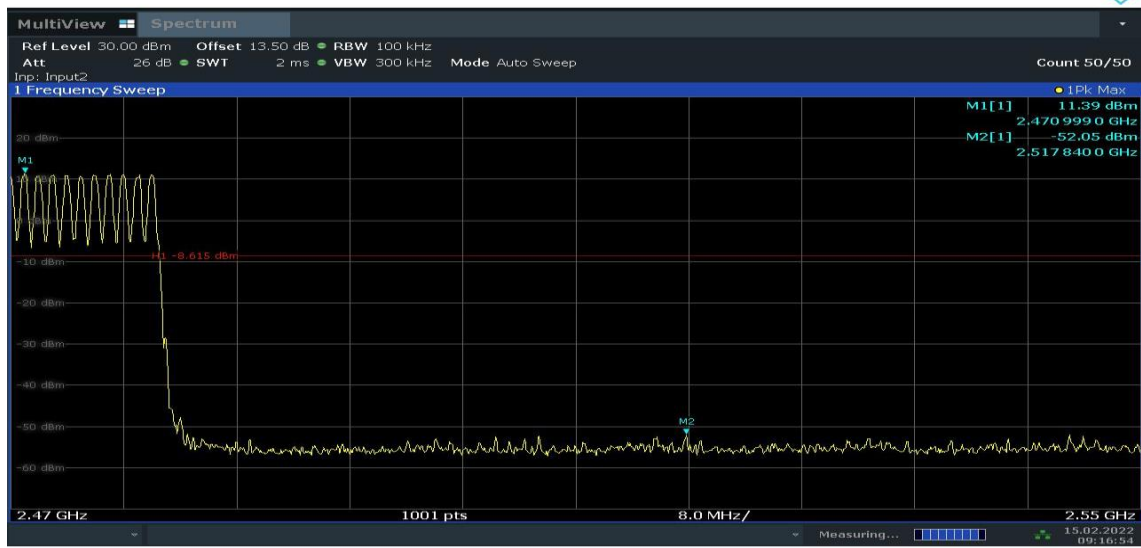
TM1_Ant1_High_2480



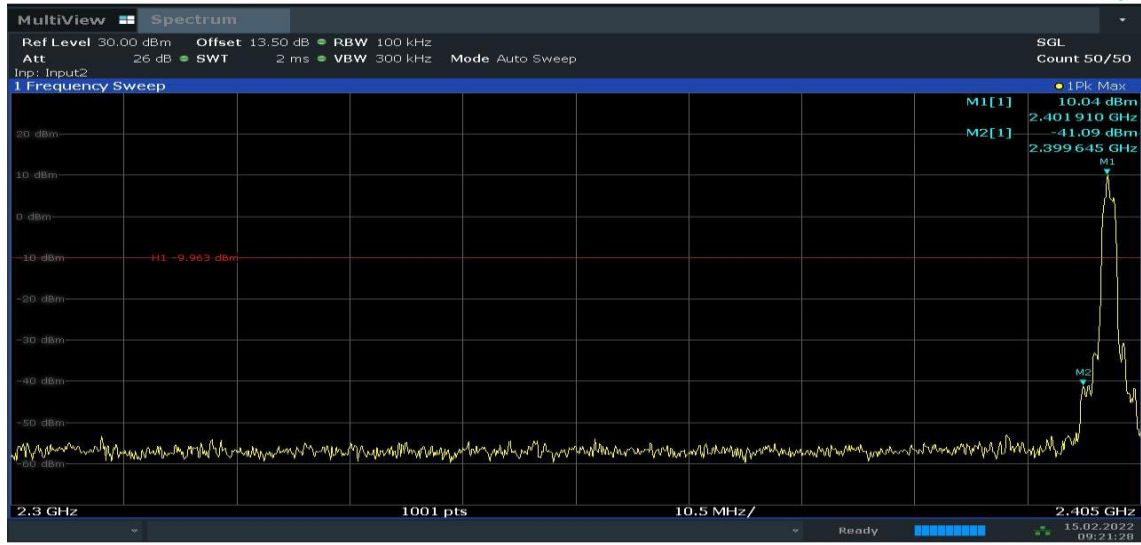
TM1_Ant1_Low_Hop_2402



TM1_Ant1_High_Hop_2480



TM2_Ant1_Low_2402



TM2_Ant1_High_2480

