



Appendix for Test report

1. Appendix A: DTS Bandwidth

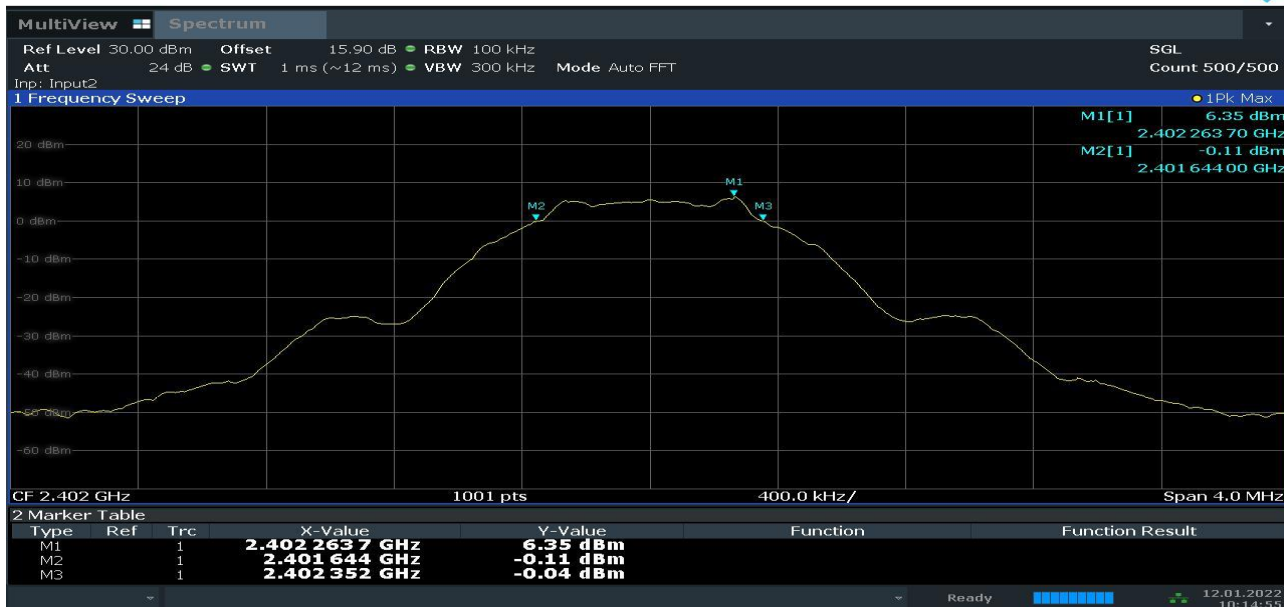
1.1 Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_TM1	Ant1	2402	0.708	2401.644	2402.352	≥0.5	PASS
		2440	0.736	2439.628	2440.364	≥0.5	PASS
		2480	0.72	2479.636	2480.356	≥0.5	PASS
BLE_TM2	Ant1	2402	1.176	2401.412	2402.588	≥0.5	PASS
		2440	1.232	2439.356	2440.588	≥0.5	PASS
		2480	1.24	2479.348	2480.588	≥0.5	PASS



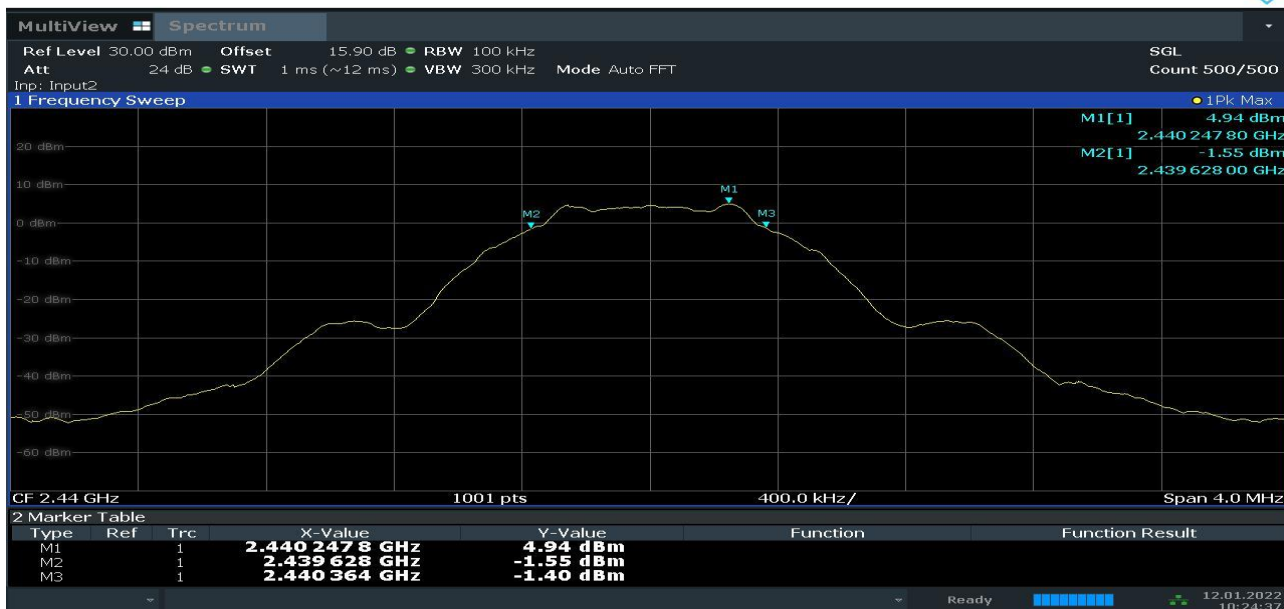
1.2 Test Graphs

BLE_TM1_Ant1_2402



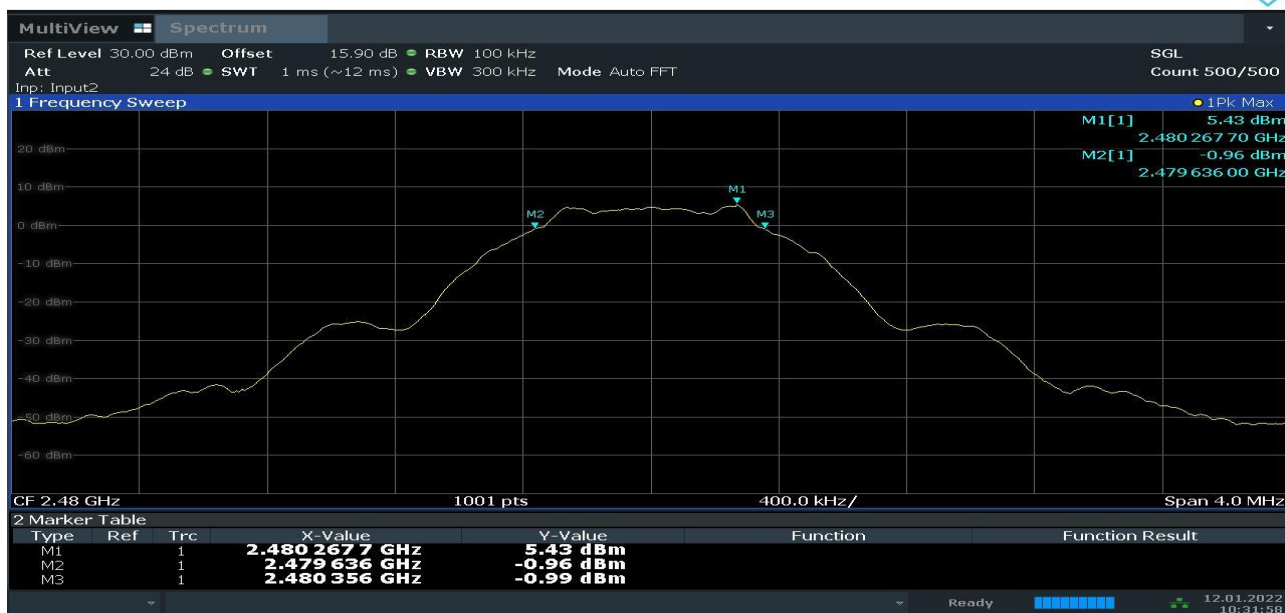
10:14:55 12.01.2022

BLE_TM1_Ant1_2440



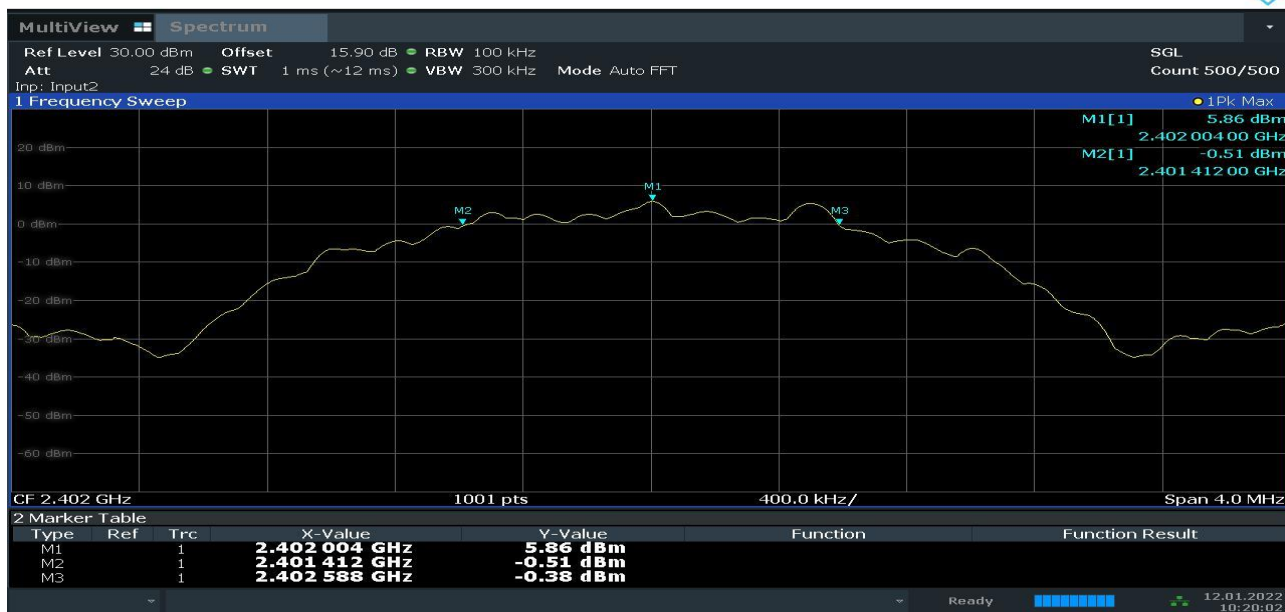
10:24:38 12.01.2022

BLE_TM1_Ant1_2480



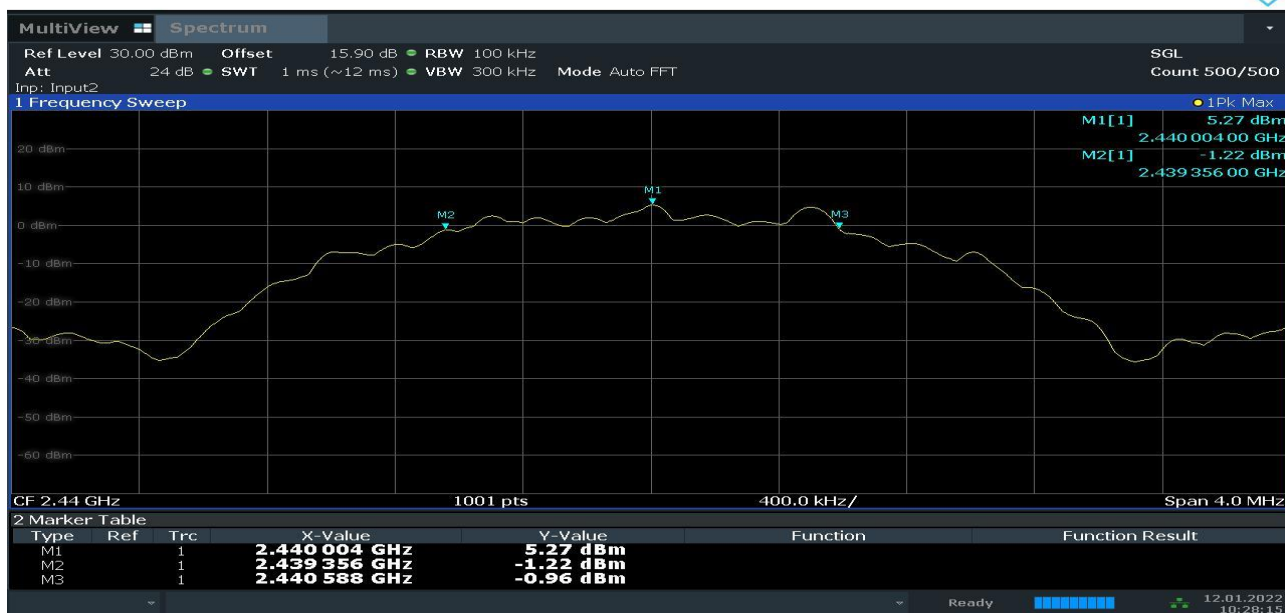
10:31:59 12.01.2022

BLE_TM2_Ant1_2402



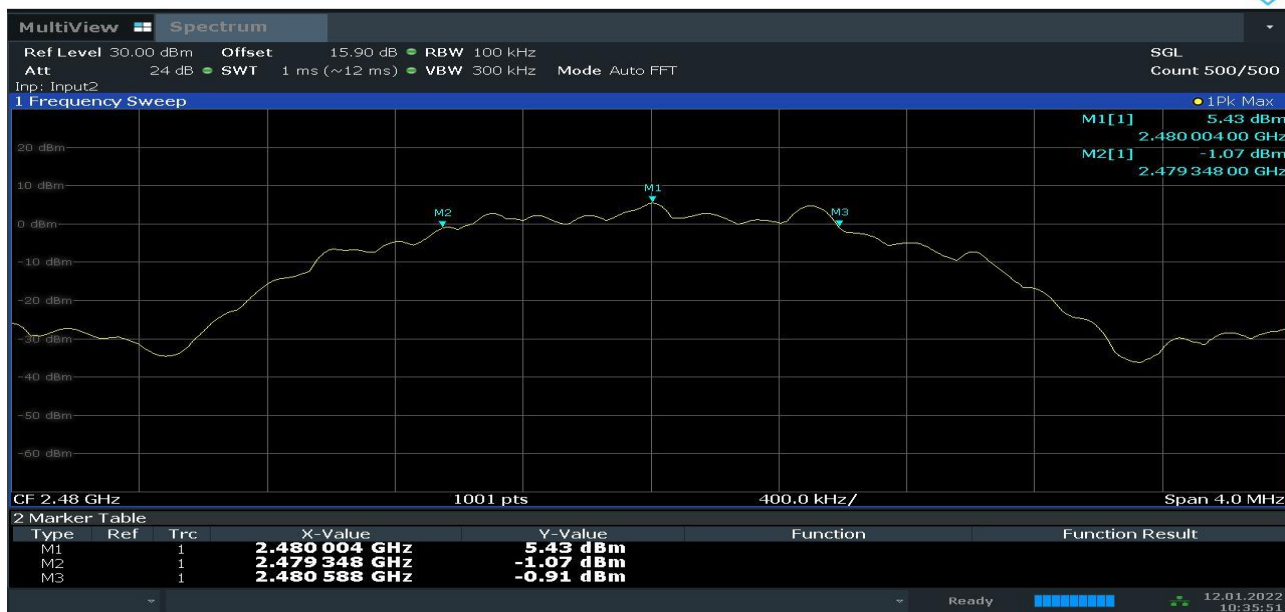
10:20:03 12.01.2022

BLE_TM2_Ant1_2440



10:28:16 12.01.2022

BLE_TM2_Ant1_2480



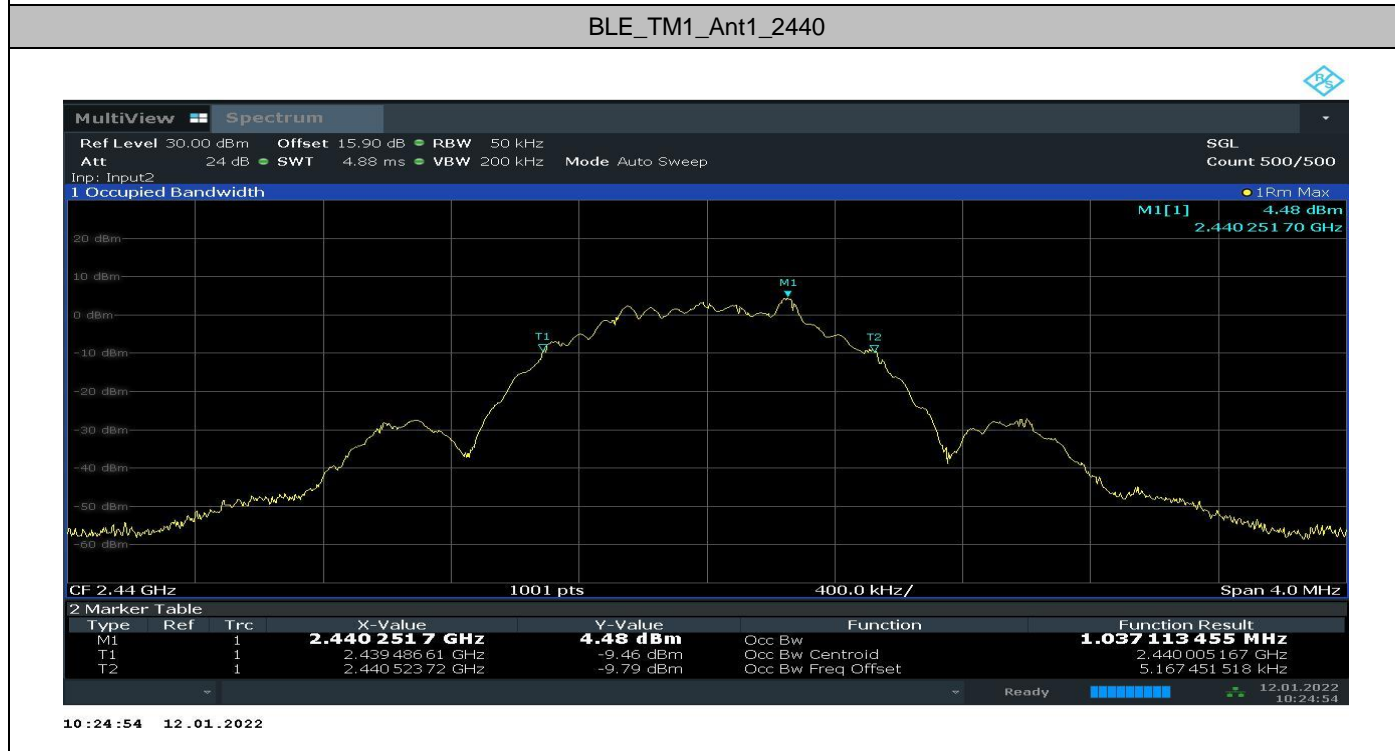
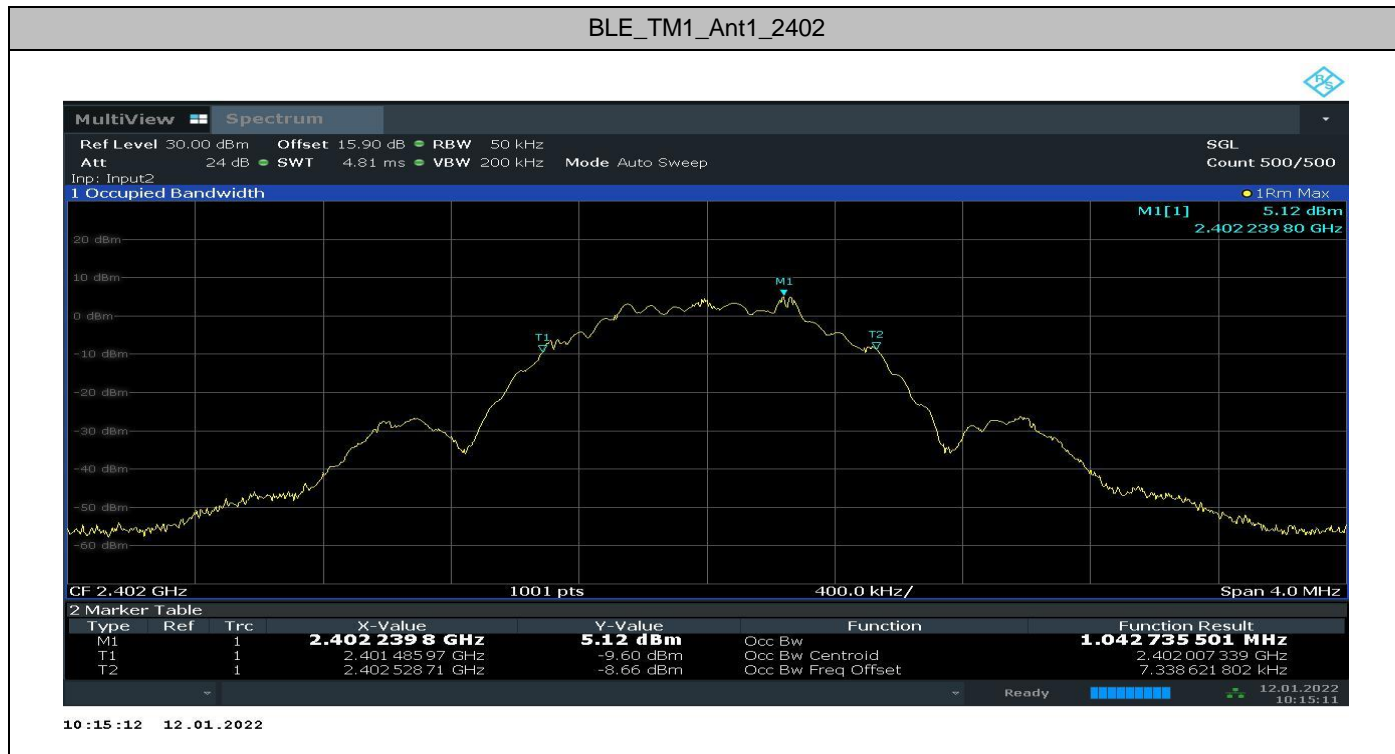
10:35:52 12.01.2022

2. Appendix B: Occupied Channel Bandwidth

2.1 Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_TM1	Ant1	2402	1.04	2401.49	2402.53	---	PASS
		2440	1.04	2439.49	2440.52	---	PASS
		2480	1.04	2479.49	2480.52	---	PASS
BLE_TM2	Ant1	2402	2.06	2400.99	2403.05	---	PASS
		2440	2.07	2438.98	2441.05	---	PASS
		2480	2.06	2478.98	2481.04	---	PASS

2.2 Test Graphs

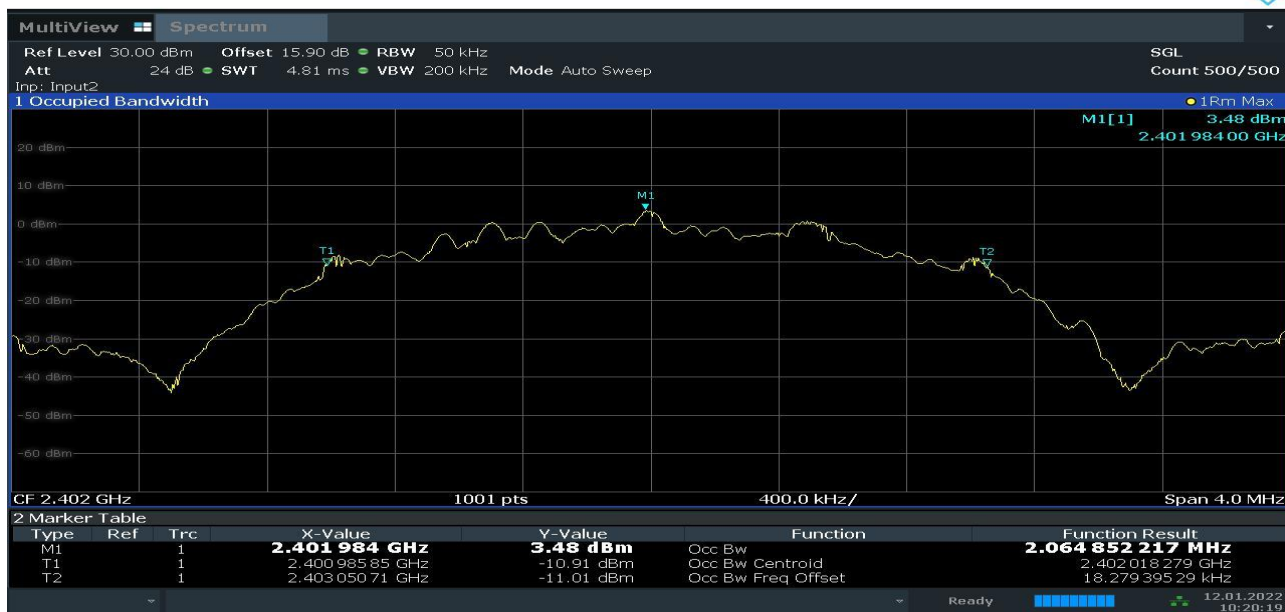


BLE_TM1_Ant1_2480



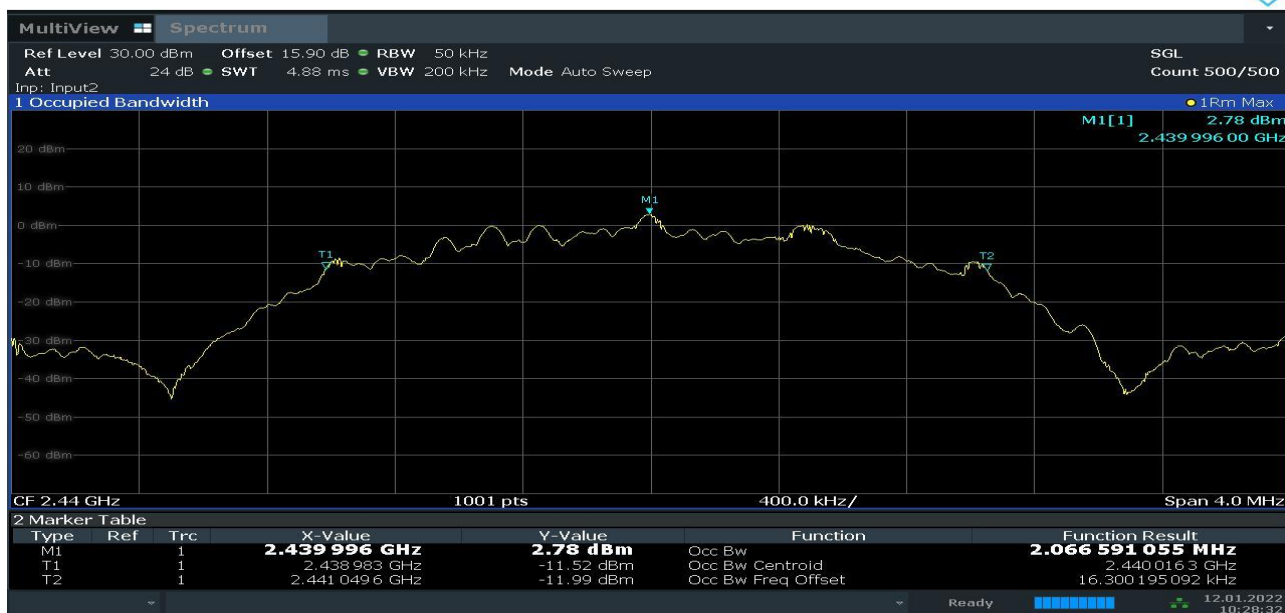
10:32:16 12.01.2022

BLE_TM2_Ant1_2402



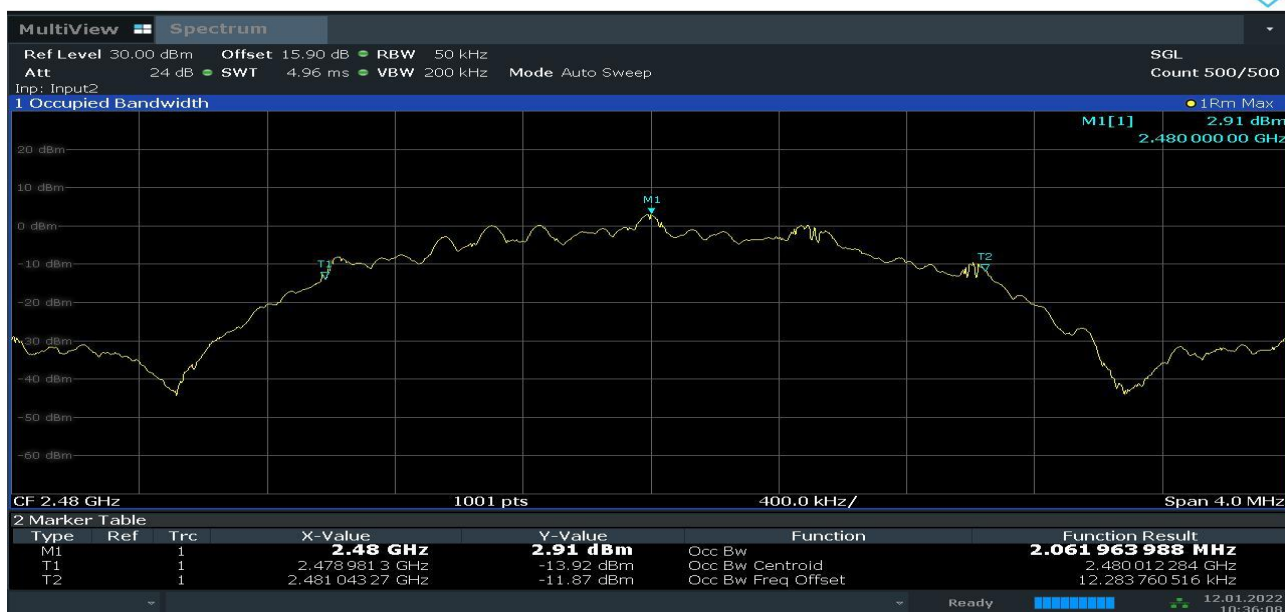
10:20:20 12.01.2022

BLE_TM2_Ant1_2440



10:28:32 12.01.2022

BLE_TM2_Ant1_2480



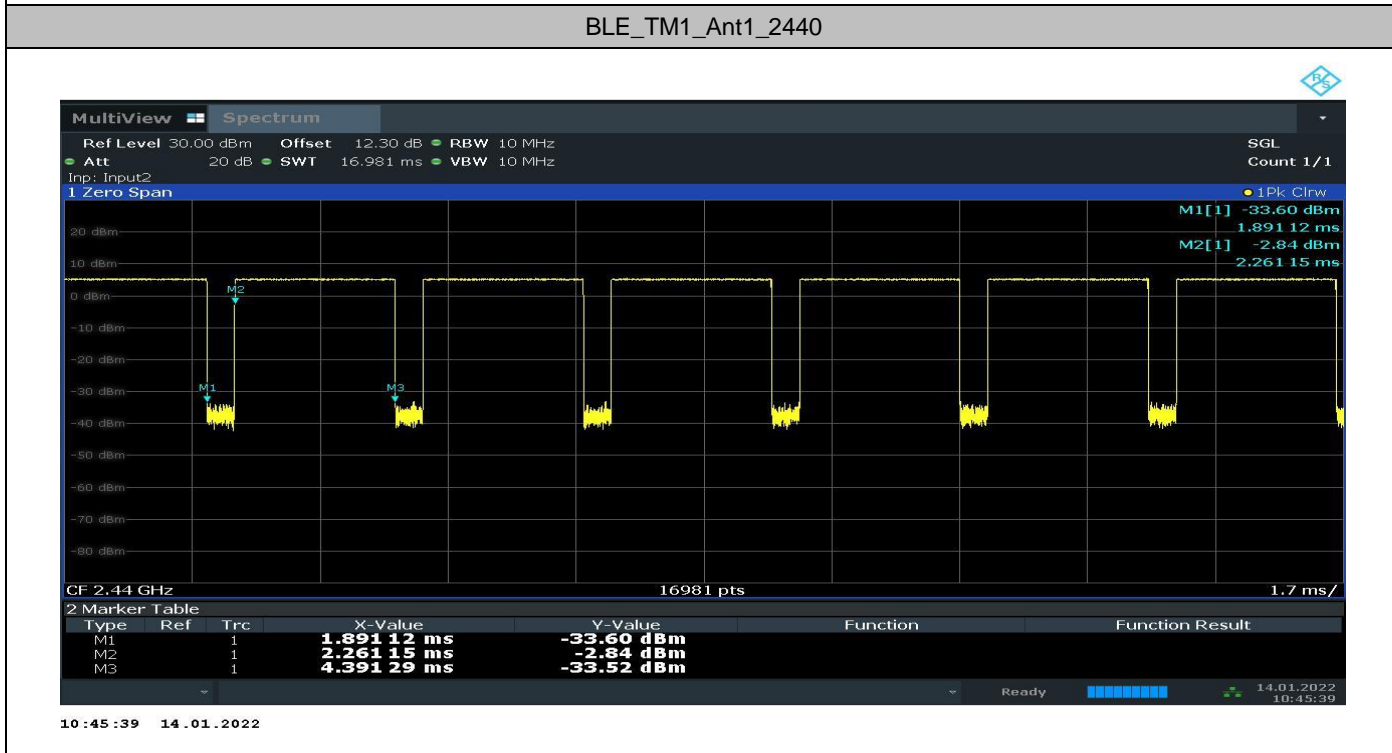
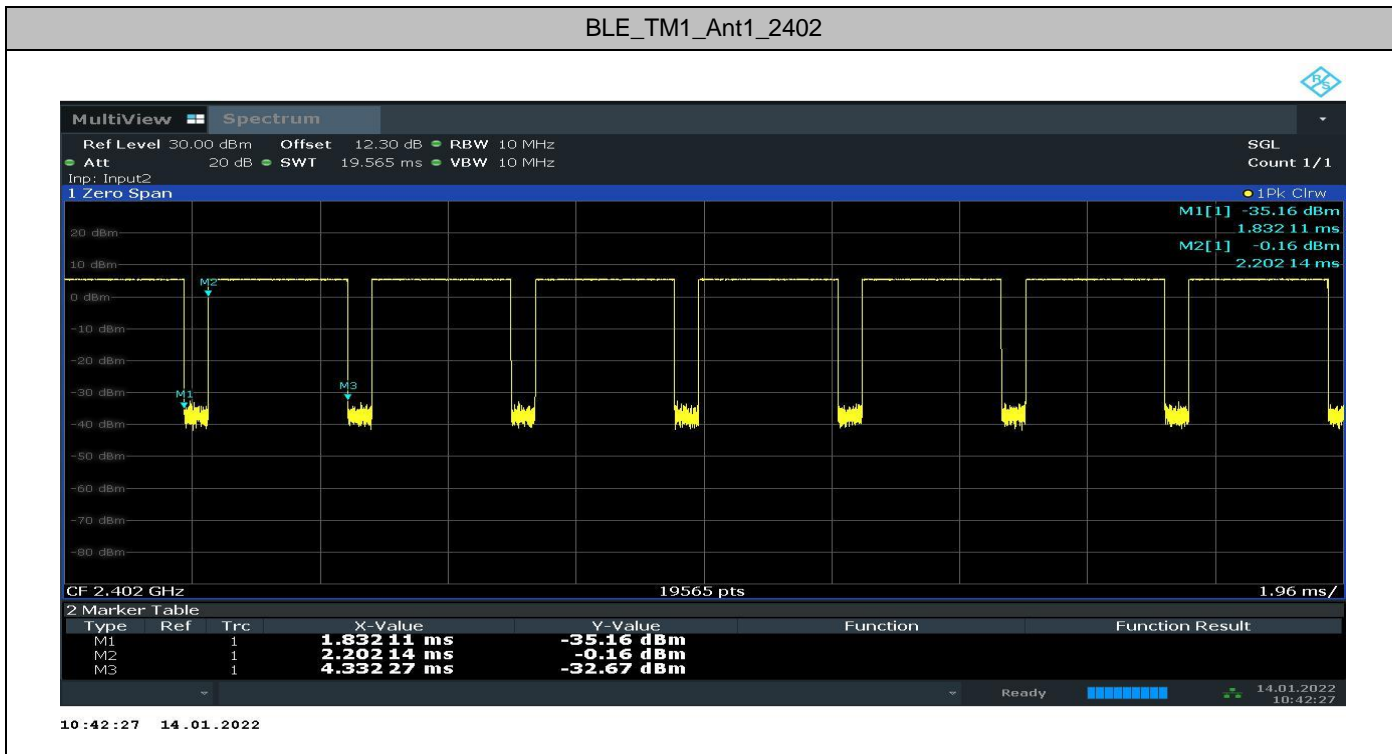
10:36:08 12.01.2022

3. Appendix C: Duty Cycle

3.1 Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit[MHz]	Verdict
BLE_TM1	Ant1	2402	2.13	2.5	85.2	---	PASS
		2440	2.13	2.5	85.2	---	PASS
		2480	2.13	2.5	85.2	---	PASS
BLE_TM2	Ant1	2402	1.07	1.88	56.915	---	PASS
		2440	1.07	1.88	56.915	---	PASS
		2480	1.07	1.88	56.915	---	PASS

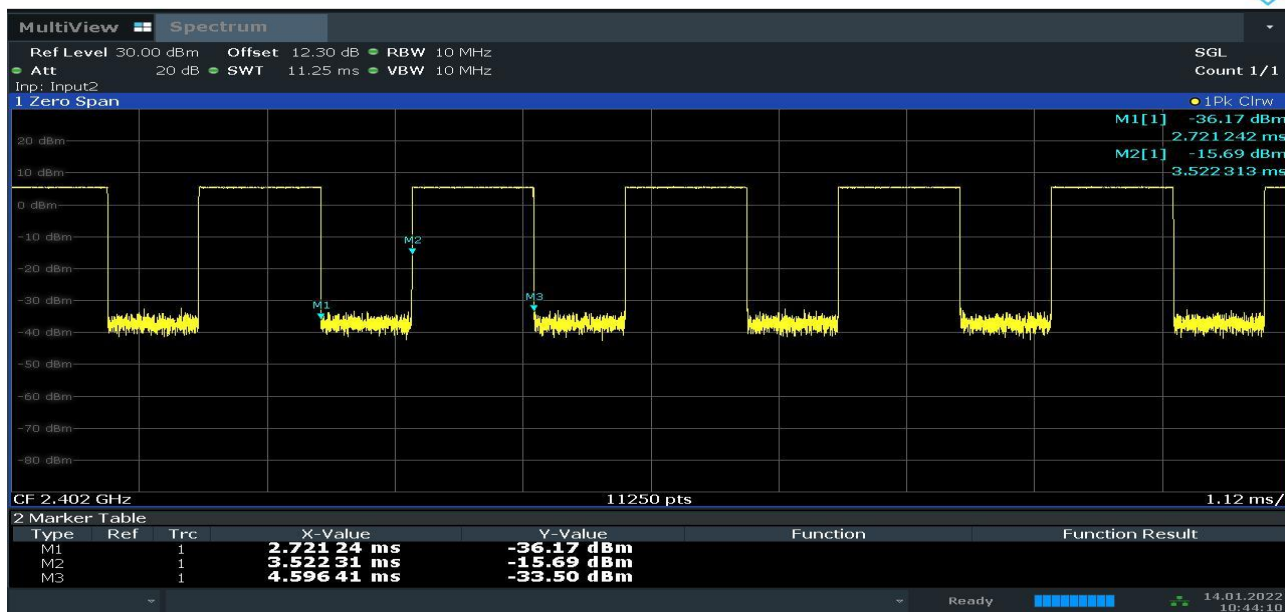
3.2 Test Graphs



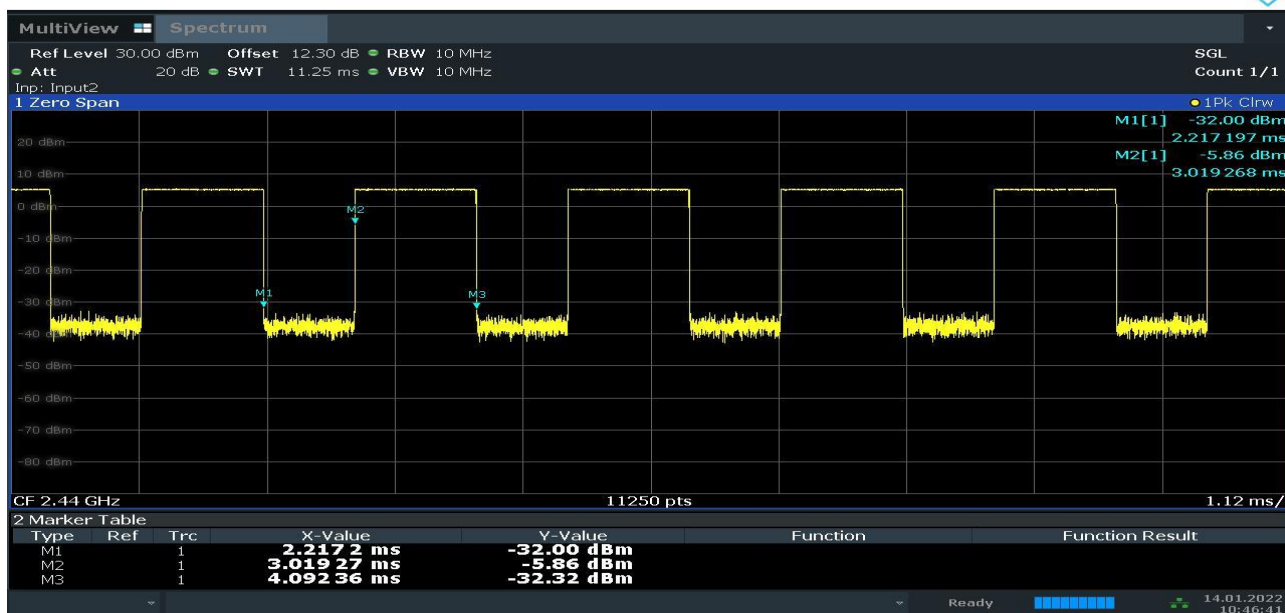
BLE_TM1_Ant1_2480



BLE_TM2_Ant1_2402

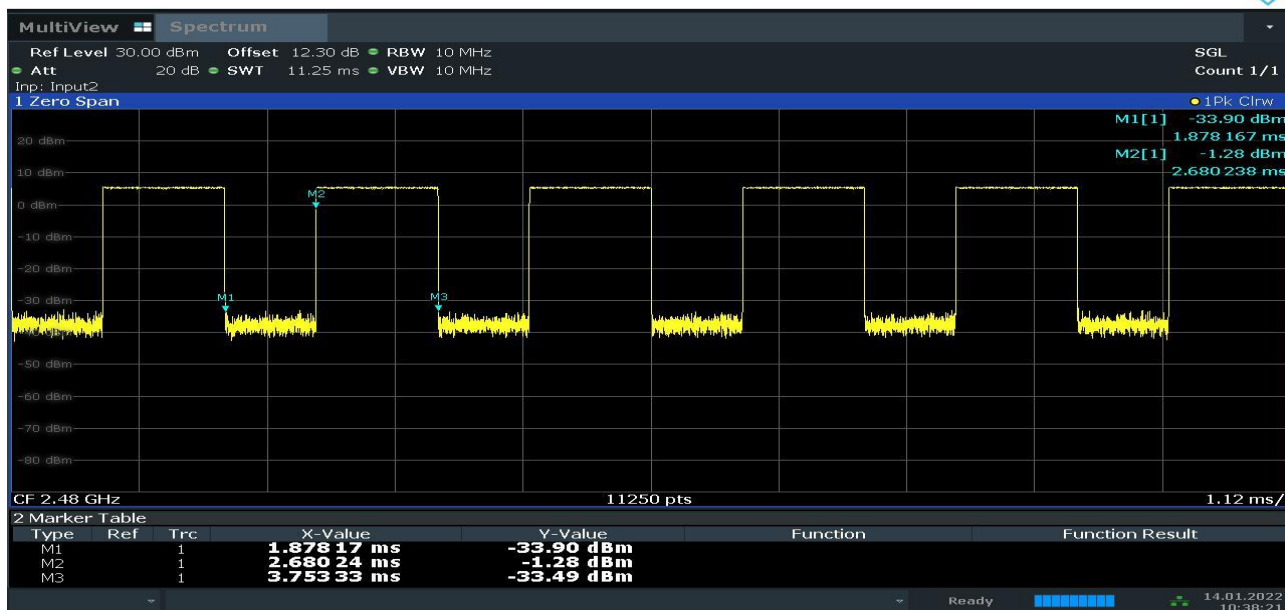


BLE_TM2_Ant1_2440



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BLE_TM2_Ant1_2480



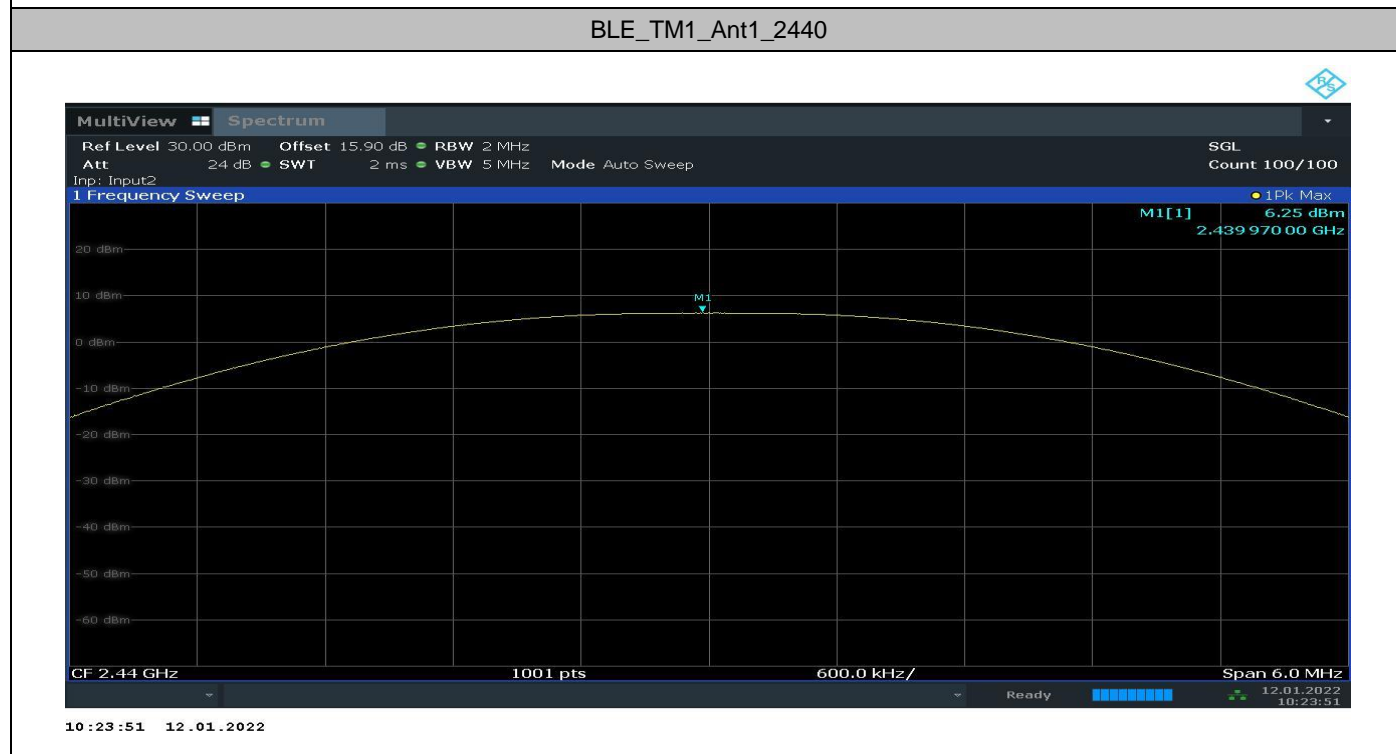
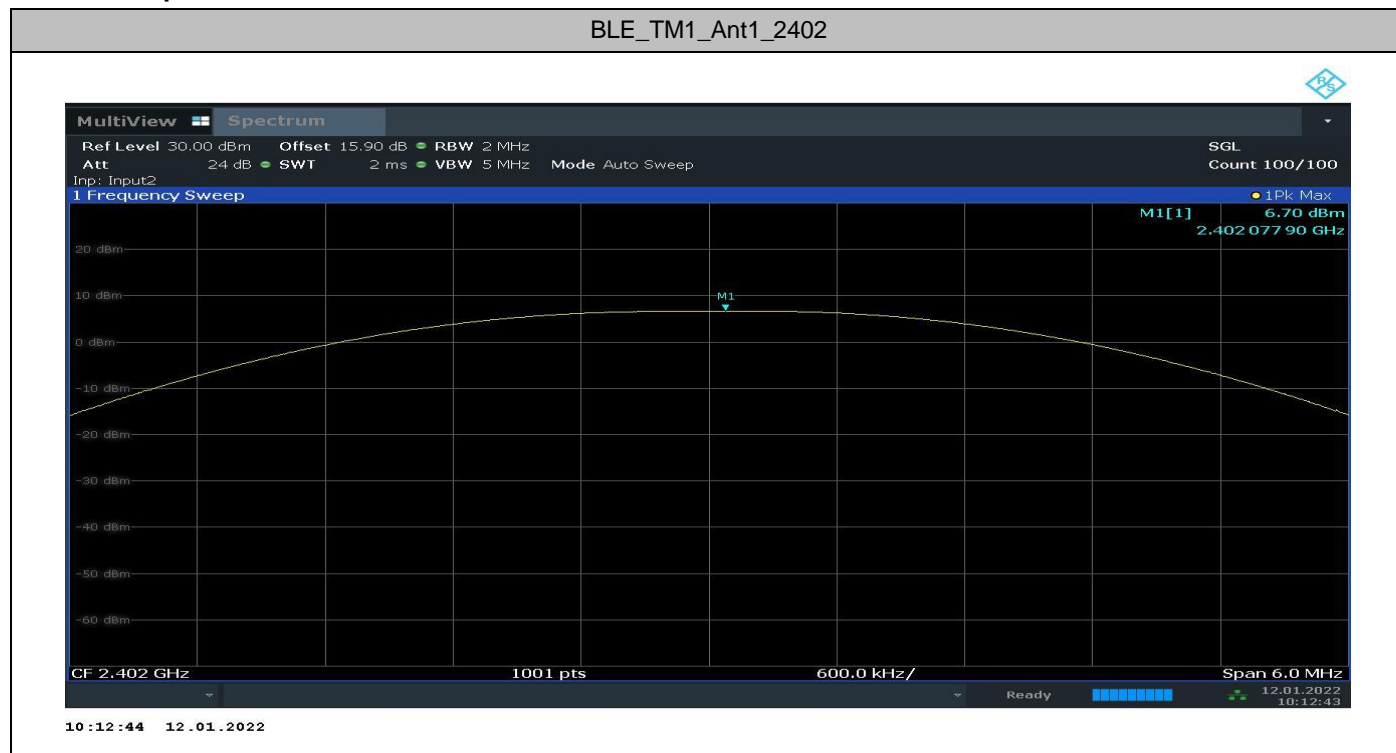
10:38:21 14.01.2022

4. Appendix D: Maximum Peak output power

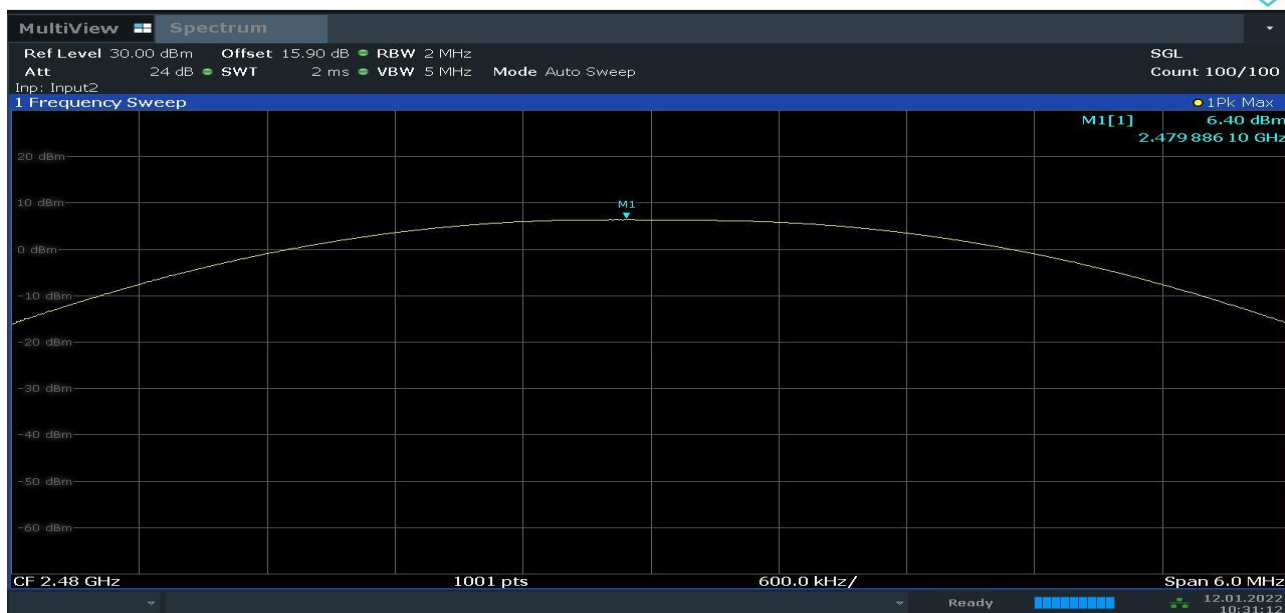
4.1 Test Result

TestMode	Antenna	Channel	Conducted Result[dBm]	Conducted Limit[dBm]	EIRP Result[dBm]	EIRP Result[dBm]	Verdict
BLE_TM1	Ant1	2402	6.7	30	4.4	36	PASS
		2440	6.25	30	3.95	36	PASS
		2480	6.4	30	4.1	36	PASS
BLE_TM2	Ant1	2402	6.45	30	4.15	36	PASS
		2440	6.24	30	3.94	36	PASS
		2480	5.59	30	3.29	36	PASS

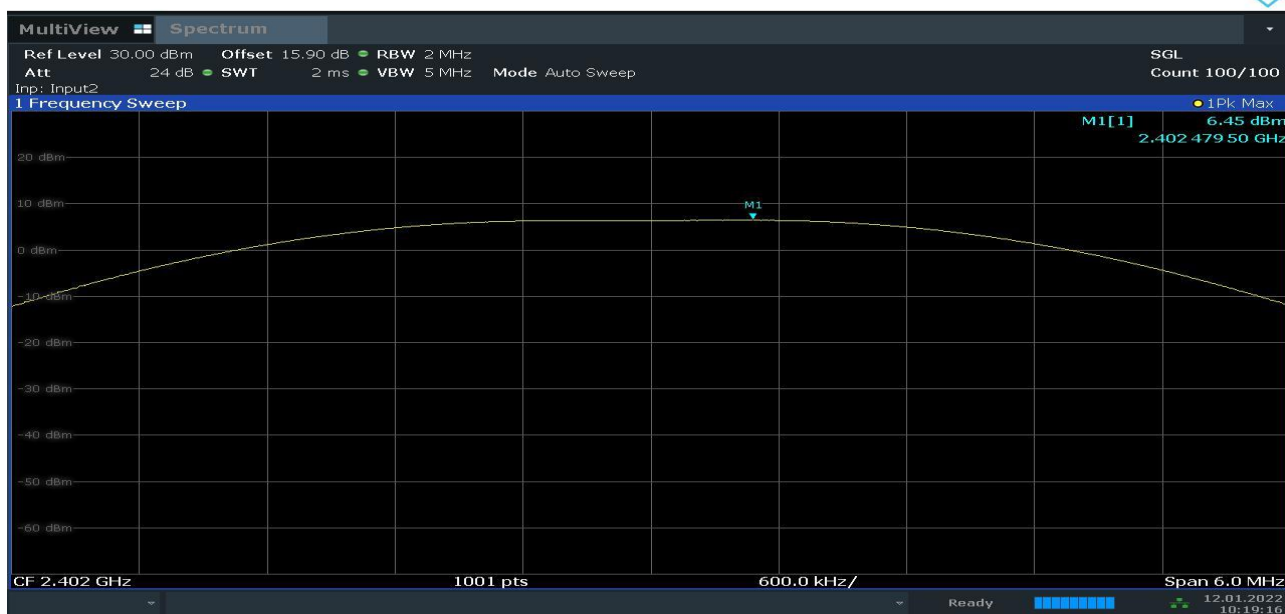
4.2 Test Graphs



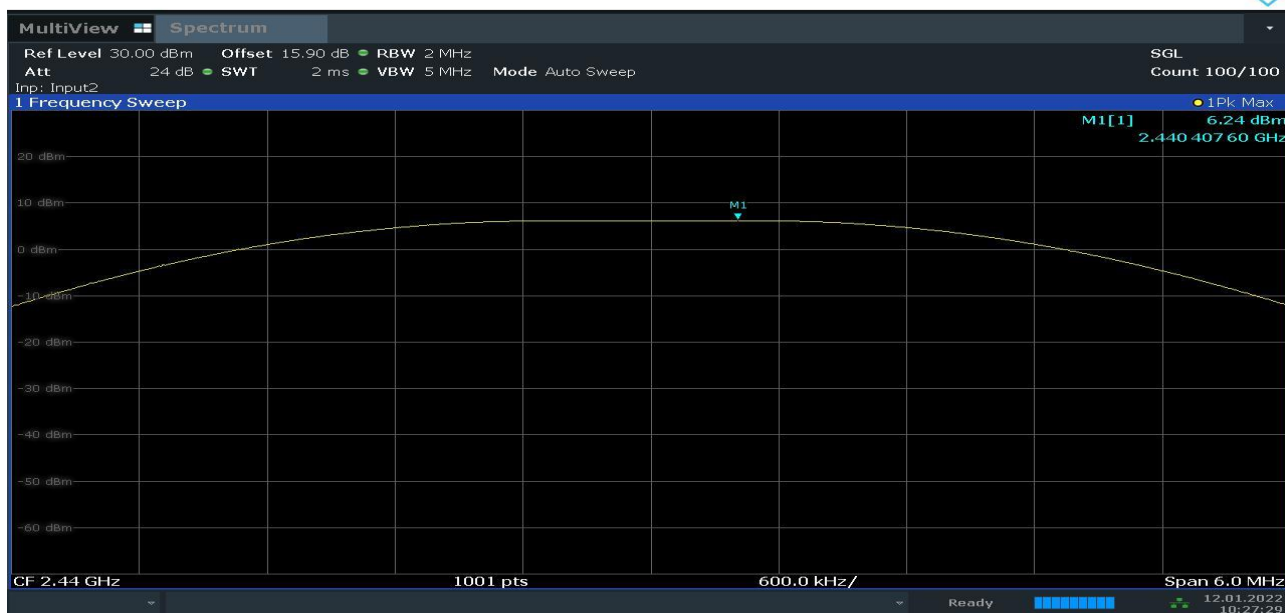
BLE_TM1_Ant1_2480



BLE_TM2_Ant1_2402

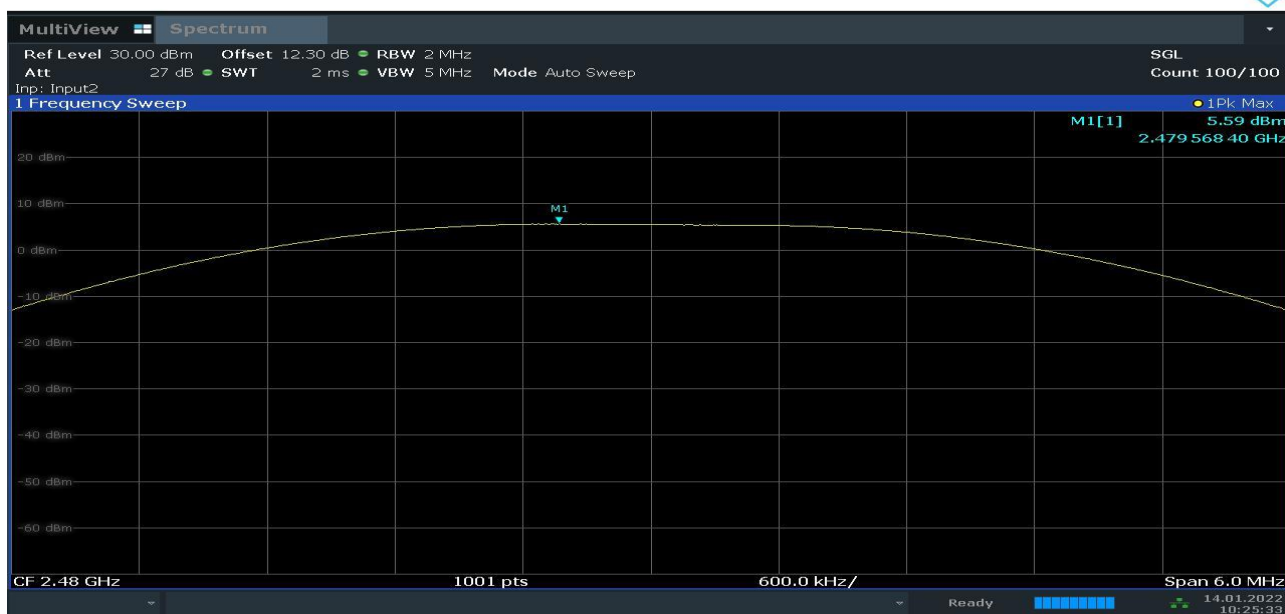


BLE_TM2_Ant1_2440



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BLE_TM2_Ant1_2480



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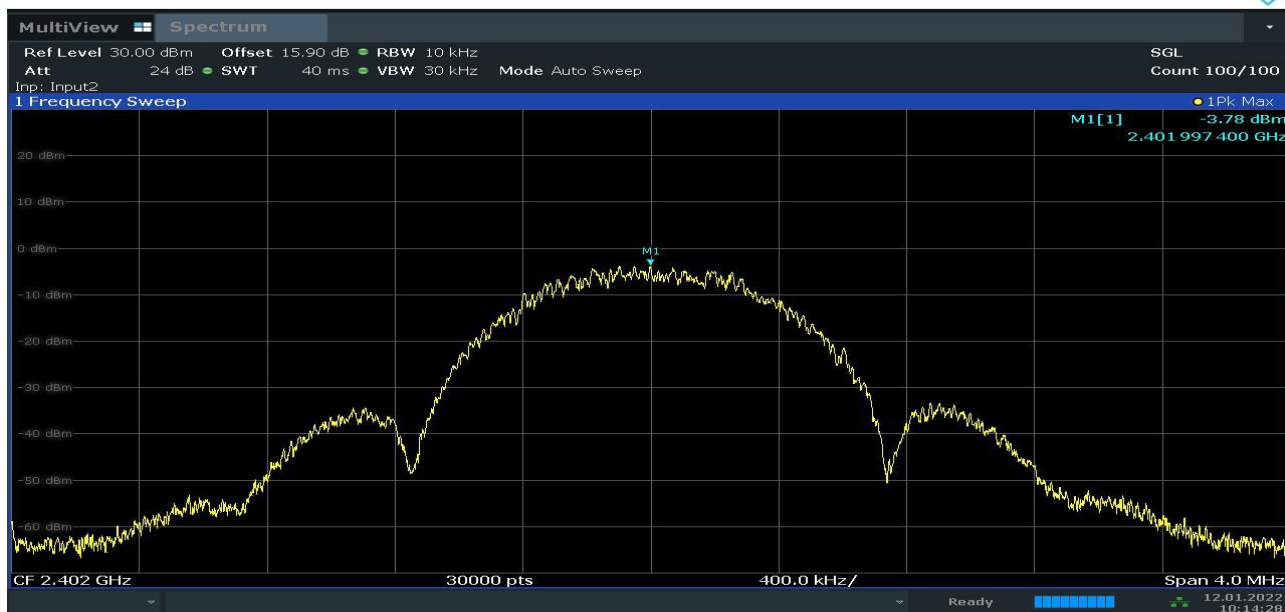
5. Appendix E: Maximum power spectral density

5.1 Test Result

TestMode	Antenna	Channel	Result[dBm/10kHz]	Limit[dBm/3kHz]	Verdict
BLE_TM1	Ant1	2402	-3.78	<=8	PASS
		2440	-4.9	<=8	PASS
		2480	-4.54	<=8	PASS
BLE_TM2	Ant1	2402	-6.91	<=8	PASS
		2440	-7.66	<=8	PASS
		2480	-8.25	<=8	PASS

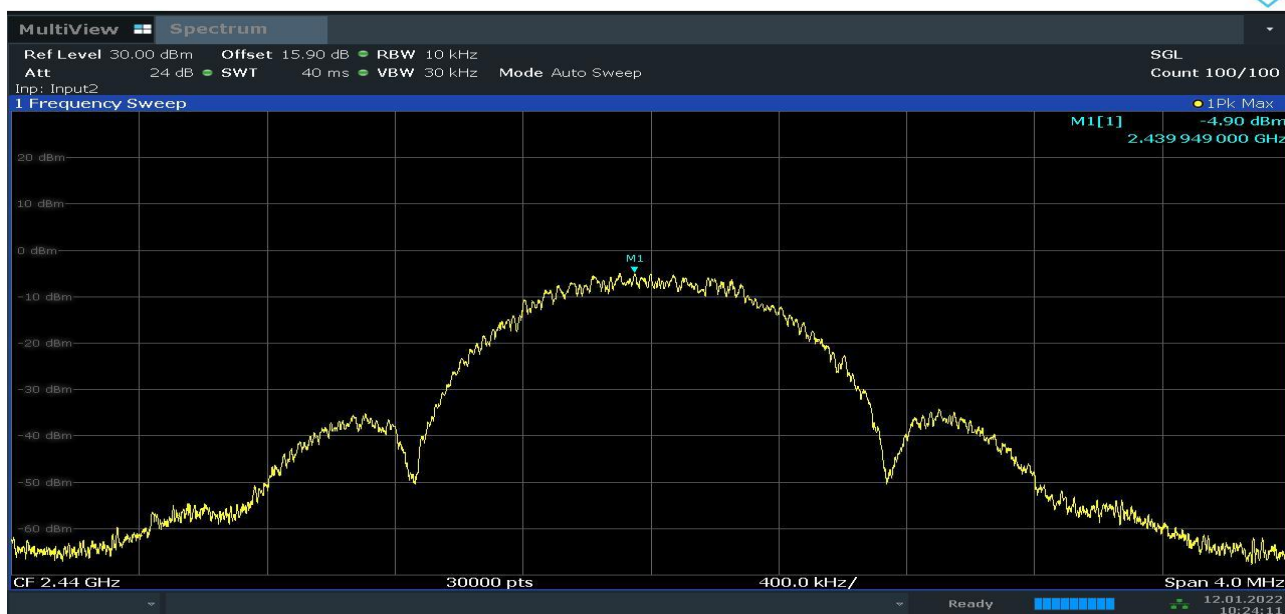
5.2 Test Graphs

BLE_TM1_Ant1_2402



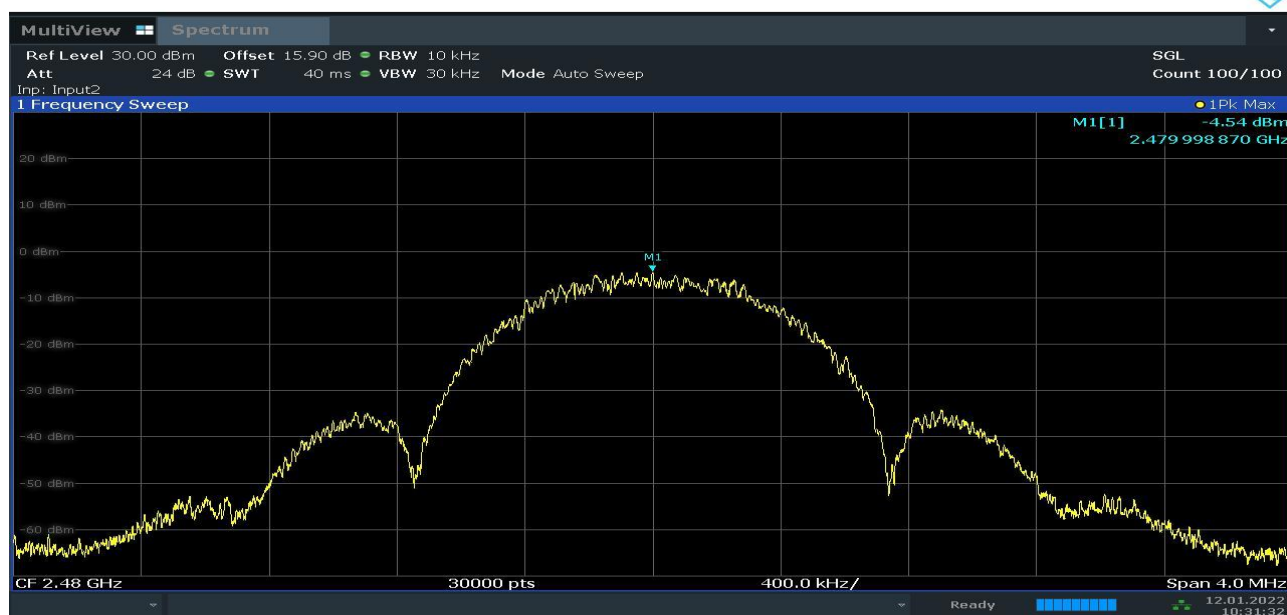
10:14:29 12.01.2022

BLE_TM1_Ant1_2440

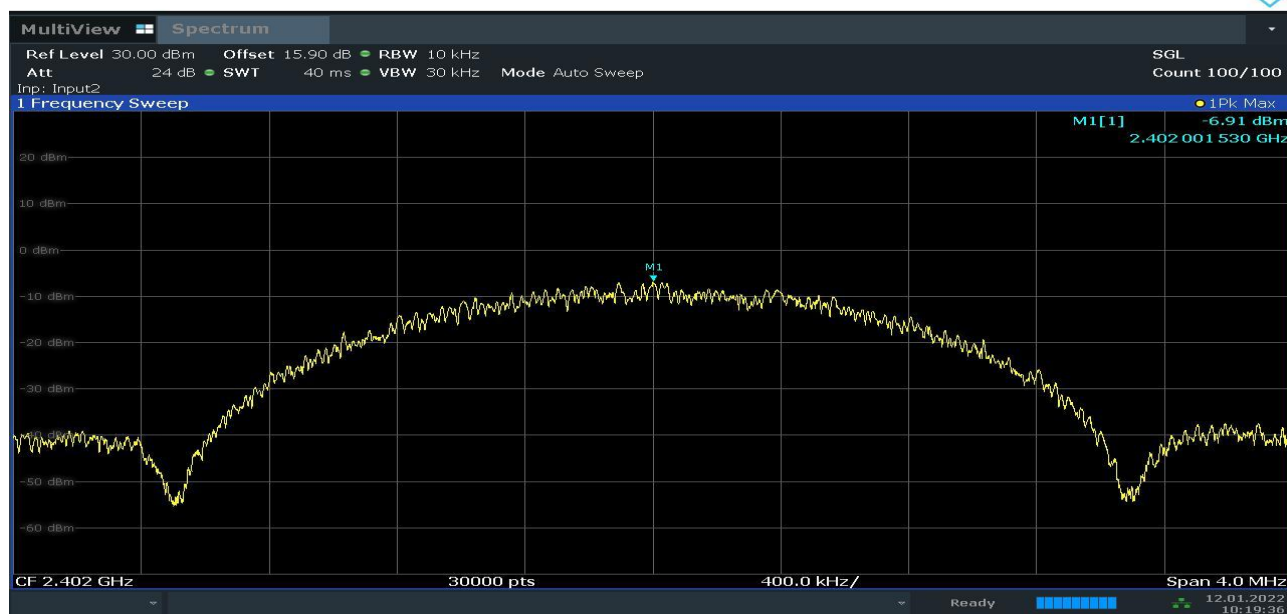


10:24:11 12.01.2022

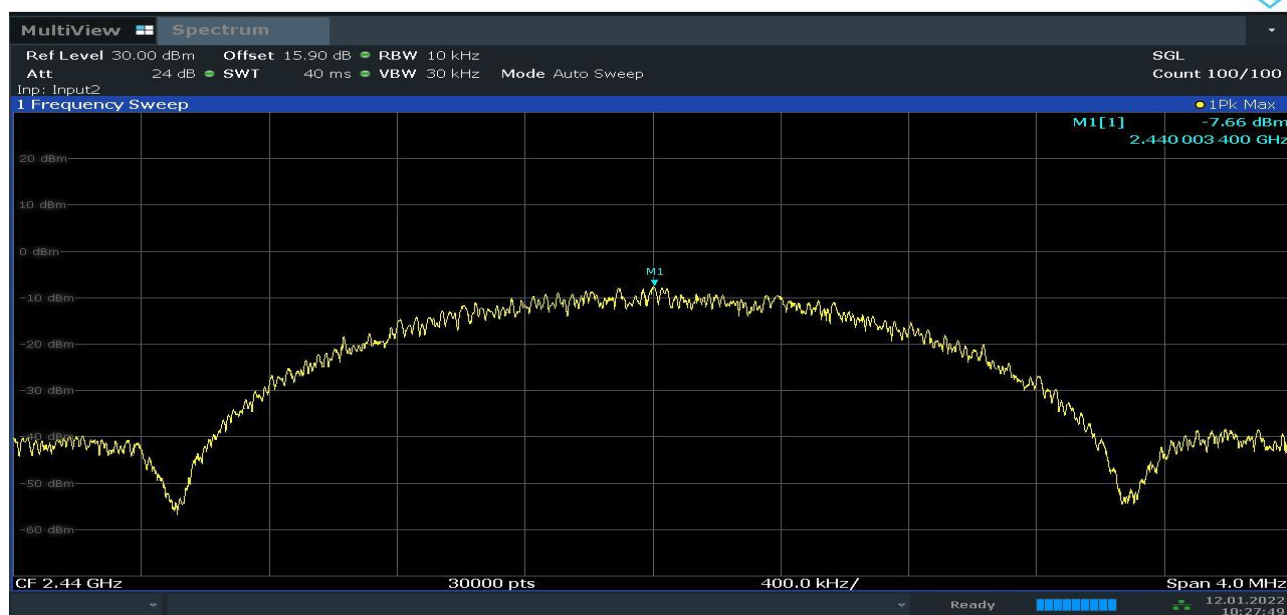
BLE_TM1_Ant1_2480



BLE_TM2_Ant1_2402

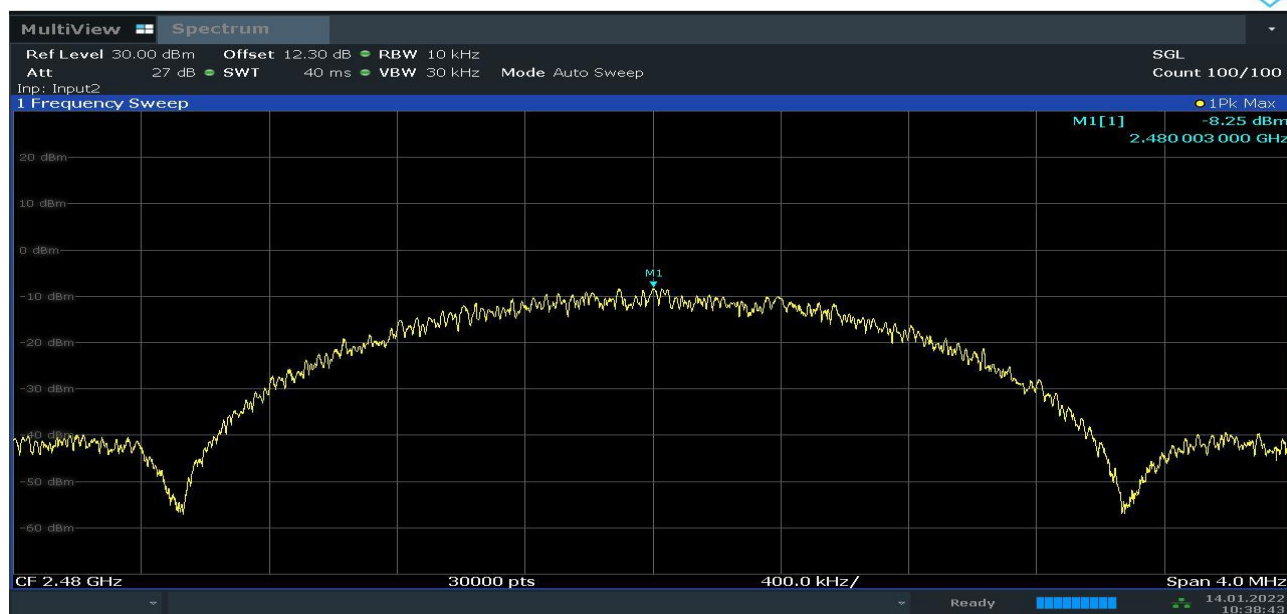


BLE_TM2_Ant1_2440



10:27:50 12.01.2022

BLE_TM2_Ant1_2480



10:38:43 14.01.2022

6. Appendix F: Band edge measurements

6.1 Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_TM1	Ant1	Low	2402	3.869	-53.362	-16.131	PASS
		High	2480	4.326	-54.161	-15.674	PASS
BLE_TM2	Ant1	Low	2402	4.879	-32.637	-15.121	PASS
		High	2480	4.236	-54.363	-15.764	PASS

6.2 Test Graphs

