

Annex A BT Test Data

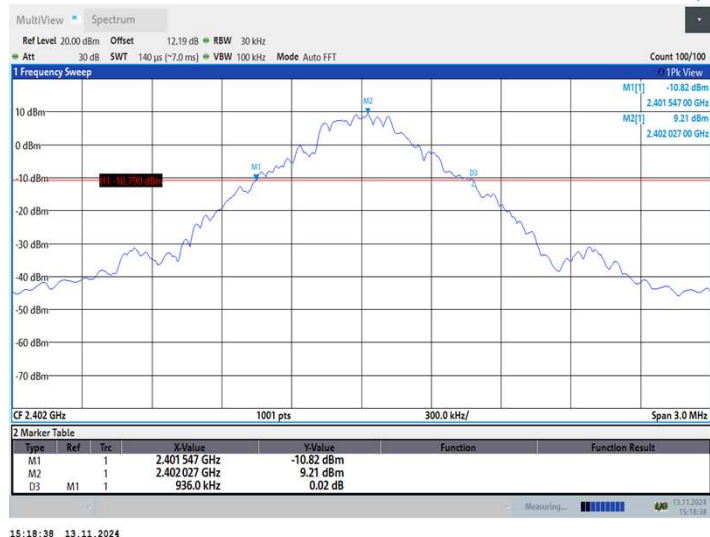
Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH1	Ant1	2402	0.94	2401.55	2402.48	---	---
		2441	0.94	2440.55	2441.48	---	---
		2480	0.93	2479.55	2480.48	---	---
2DH1	Ant1	2402	1.30	2401.34	2402.63	---	---
		2441	1.29	2440.34	2441.63	---	---
		2480	1.29	2479.34	2480.63	---	---
3DH1	Ant1	2402	1.31	2401.35	2402.65	---	---
		2441	1.31	2440.35	2441.65	---	---
		2480	1.31	2479.34	2480.65	---	---

Test Graphs

DH1_Ant1_2402



DH1_Ant1_2441



DH1_Ant1_2480



2DH1_Ant1_2402



2DH1_Ant1_2441



15:45:06 13.11.2024

2DH1_Ant1_2480

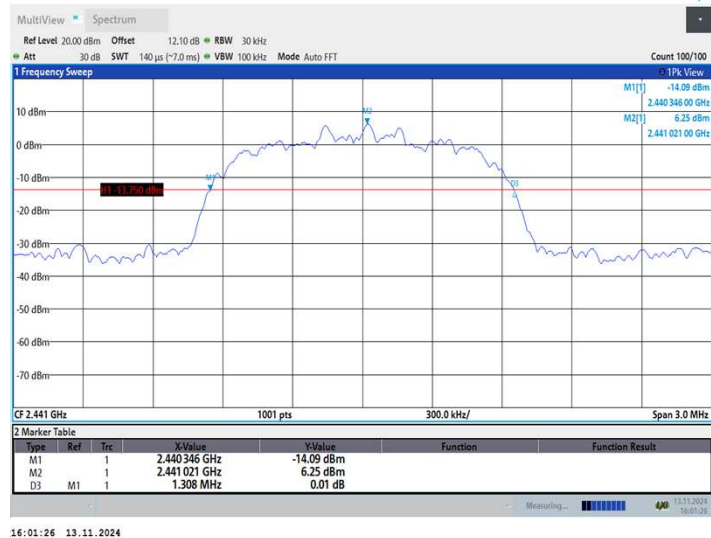


15:47:18 13.11.2024

3DH1_Ant1_2402



3DH1_Ant1_2441



3DH1_Ant1_2480

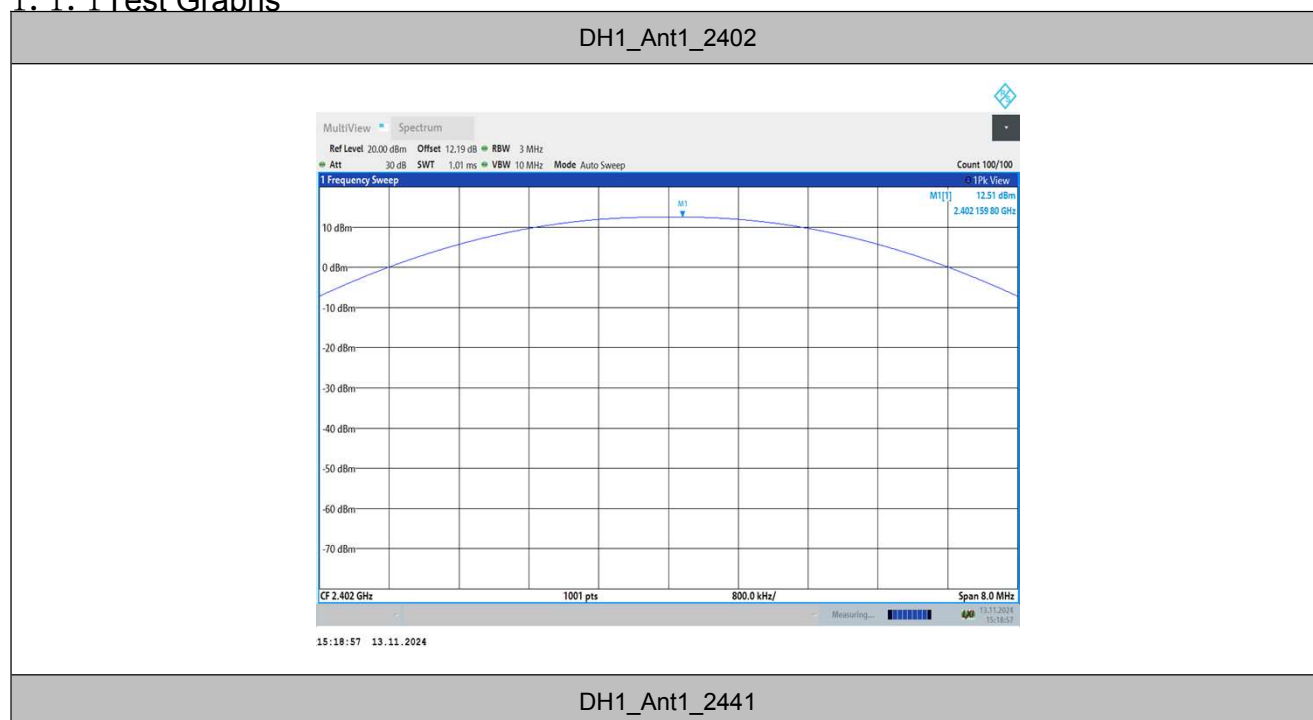


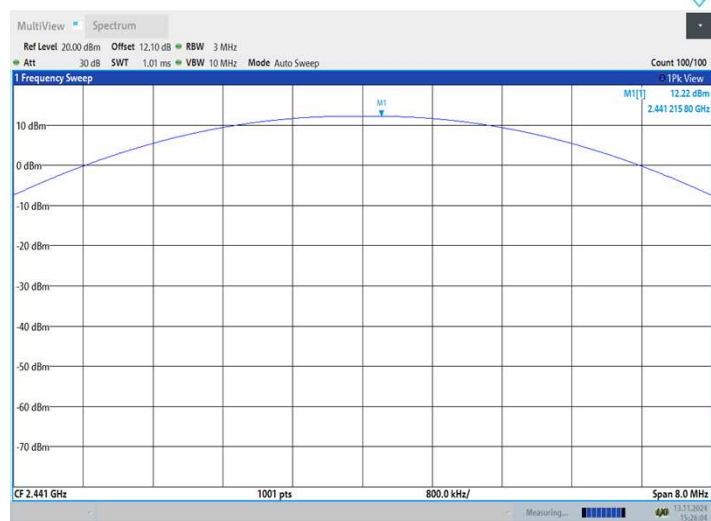
Appendix B: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH1	Ant1	2402	12.51	≤30	PASS
		2441	12.22	≤30	PASS
		2480	12.47	≤30	PASS
2DH1	Ant1	2402	11.17	≤30	PASS
		2441	11.13	≤30	PASS
		2480	11.90	≤30	PASS
3DH1	Ant1	2402	12.16	≤30	PASS
		2441	11.25	≤30	PASS
		2480	12.64	≤30	PASS

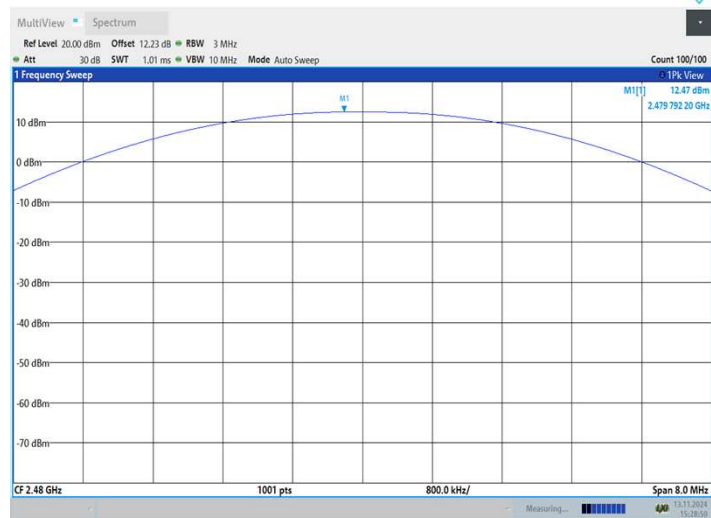
1.1.1 Test Graphs





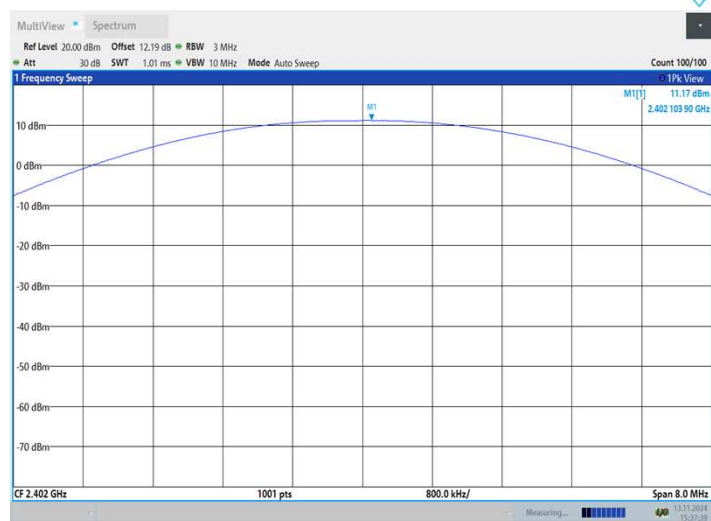
15:26:05 13.11.2024

DH1_Ant1_2480



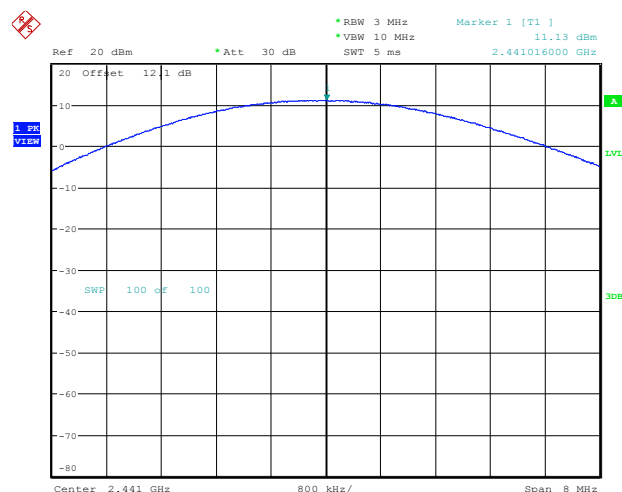
15:28:51 13.11.2024

2DH1_Ant1_2402



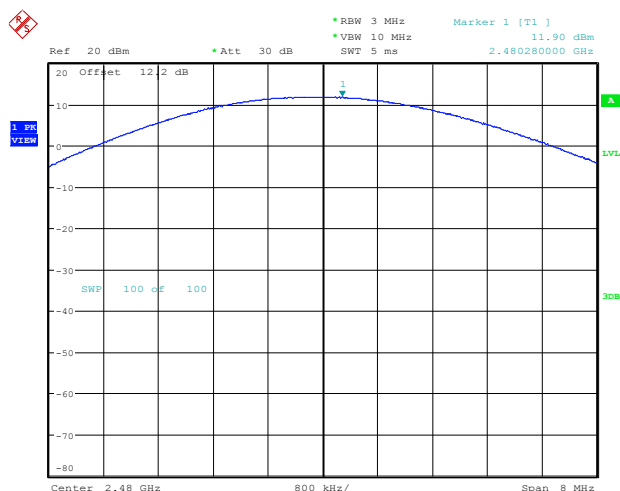
15:37:40 13.11.2024

2DH1_Ant1_2441



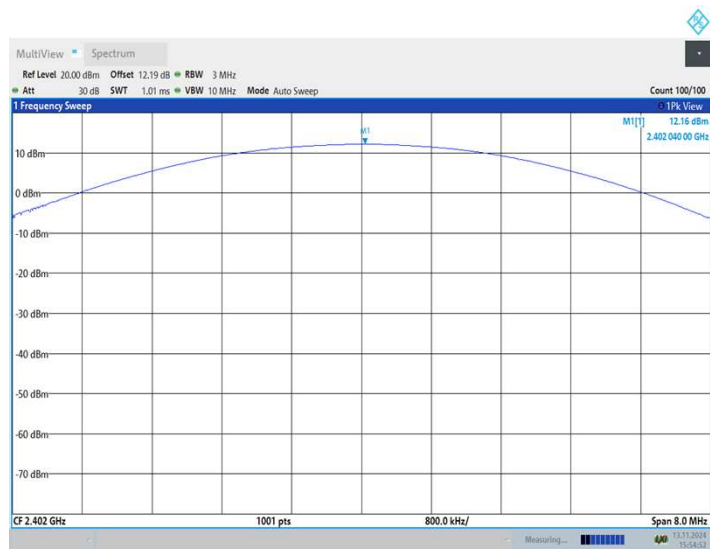
Date: 3.DEC.2024 15:01:04

2DH1_Ant1_2480



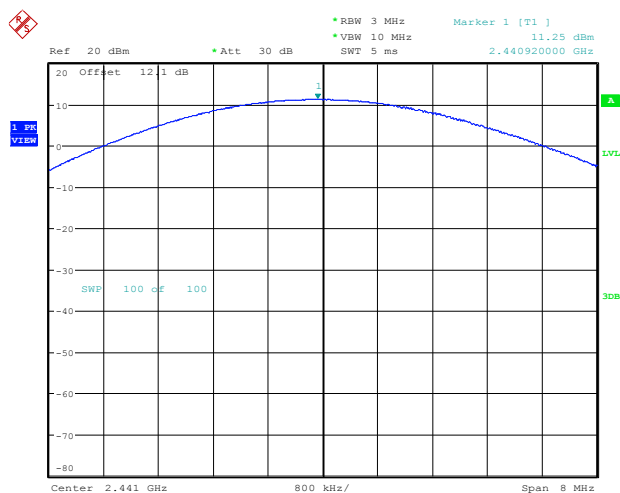
Date: 3.DEC.2024 15:11:11

3DH1_Ant1_2402



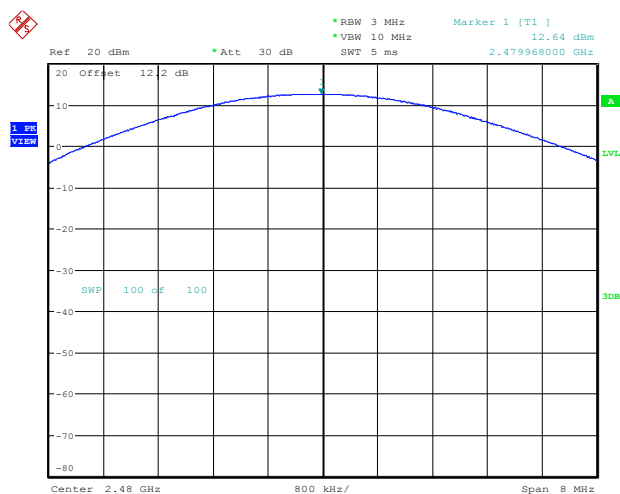
15:54:52 13.11.2024

3DH1_Ant1_2441



Date: 3.DEC.2024 15:14:46

3DH1_Ant1_2480



Date: 3.DEC.2024 15:26:07

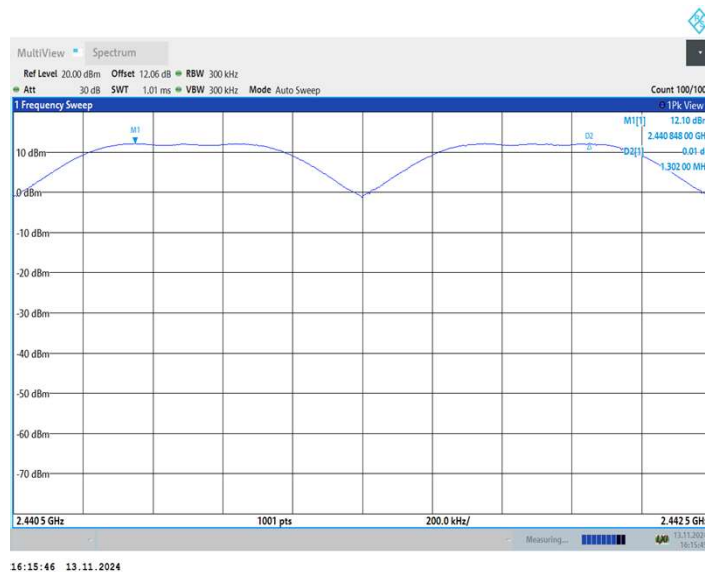
Appendix C: Carrier frequency separation

Test Result

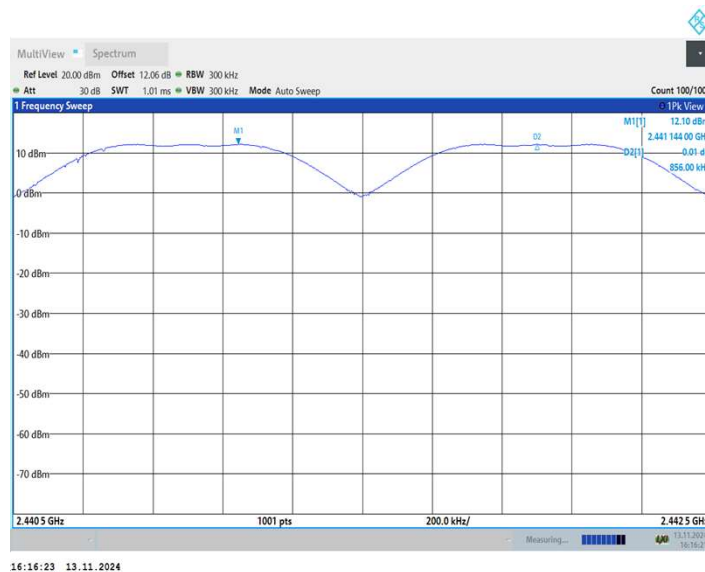
TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH1	Ant1	Hop_2402	1.302	≥ 0.940	PASS
		Hop_2441	0.856	≥ 0.627	PASS
		Hop_2480	1.002	≥ 0.940	PASS
2DH1	Ant1	Hop_2402	1.016	≥ 0.867	PASS
		Hop_2441	1.004	≥ 0.867	PASS
		Hop_2480	0.996	≥ 0.867	PASS
3DH1	Ant1	Hop_2402	1.154	≥ 0.873	PASS
		Hop_2441	1.152	≥ 0.873	PASS
		Hop_2480	1.006	≥ 0.873	PASS

1.1.2 Test Graphs

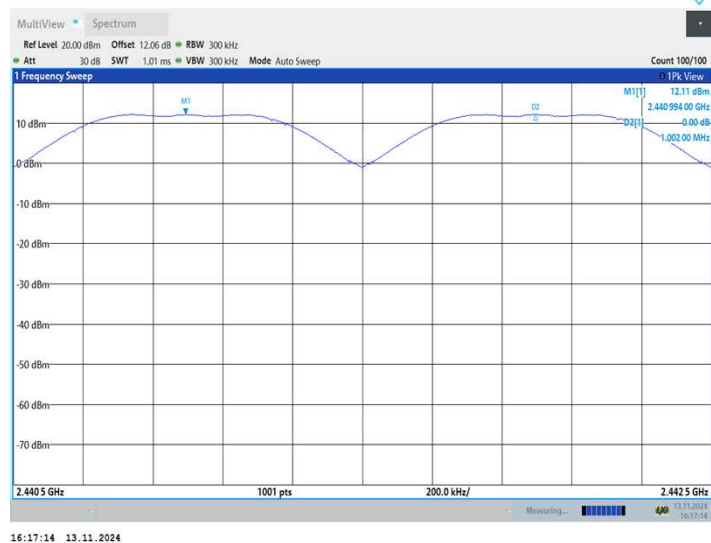
DH1_Ant1_Hop_2402



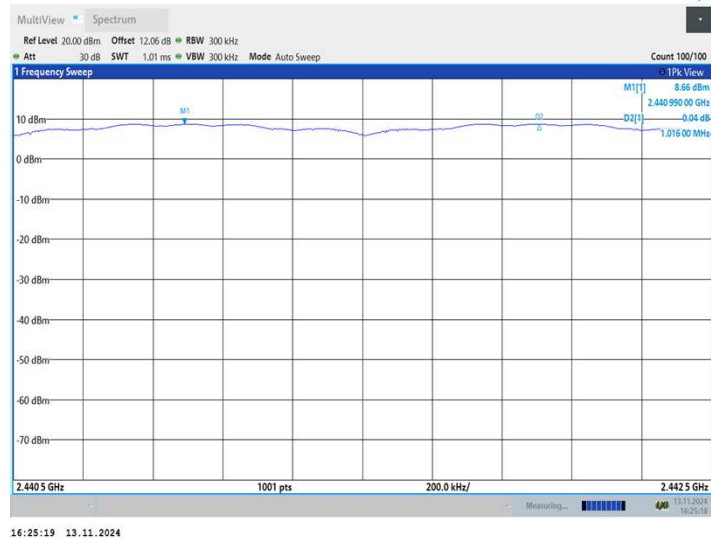
DH1_Ant1_Hop_2441



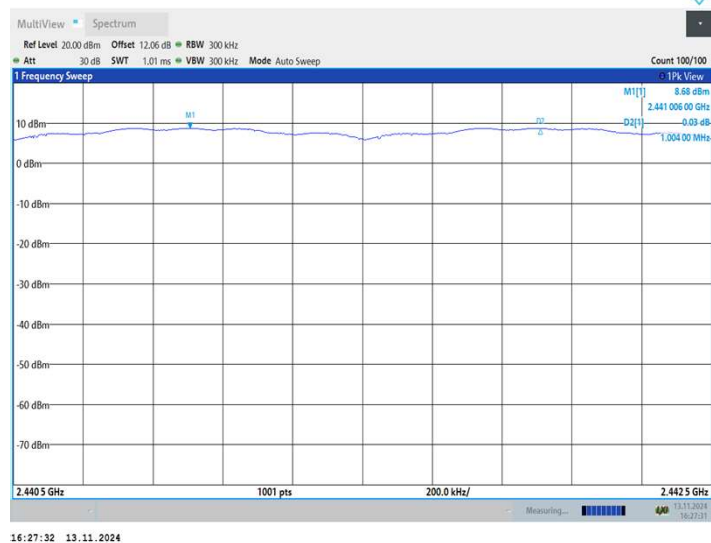
DH1_Ant1_Hop_2480



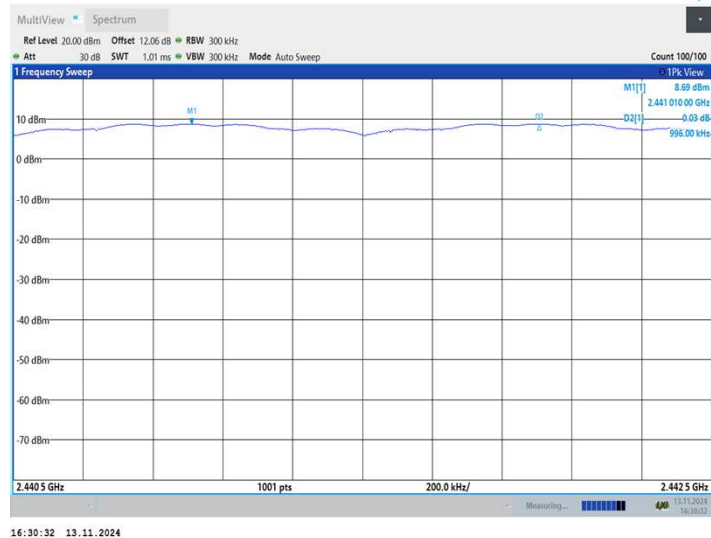
2DH1_Ant1_Hop_2402



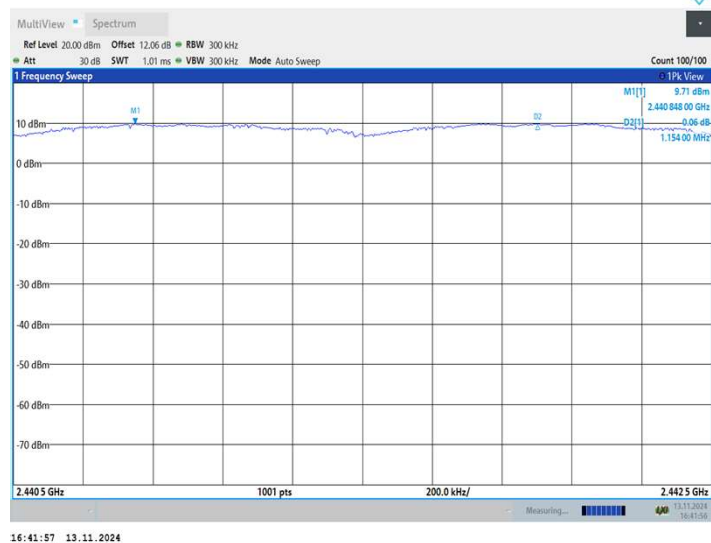
2DH1_Ant1_Hop_2441



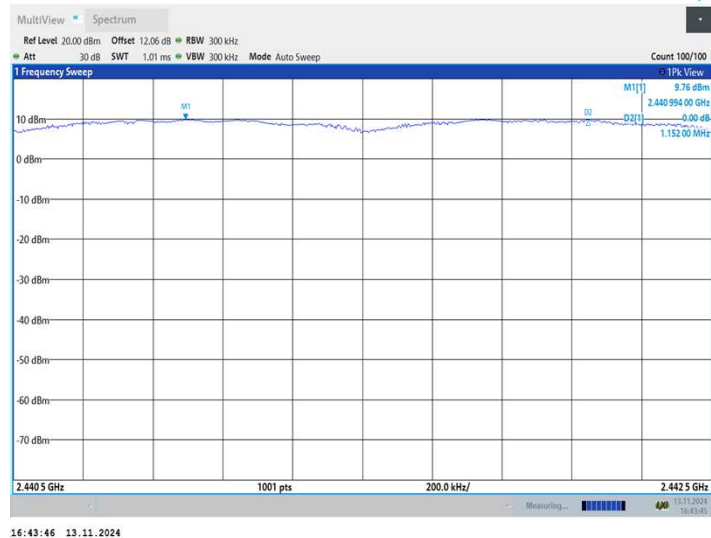
2DH1_Ant1_Hop_2480



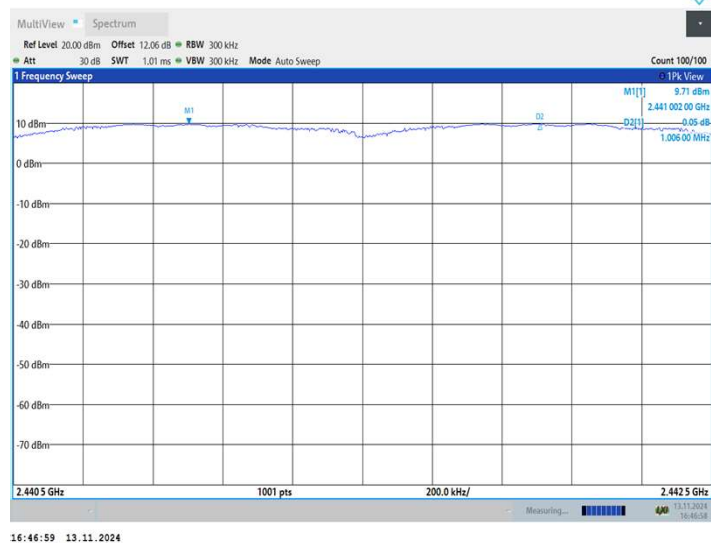
3DH1_Ant1_Hop_2402



3DH1_Ant1_Hop_2441



3DH1_Ant1_Hop_2480

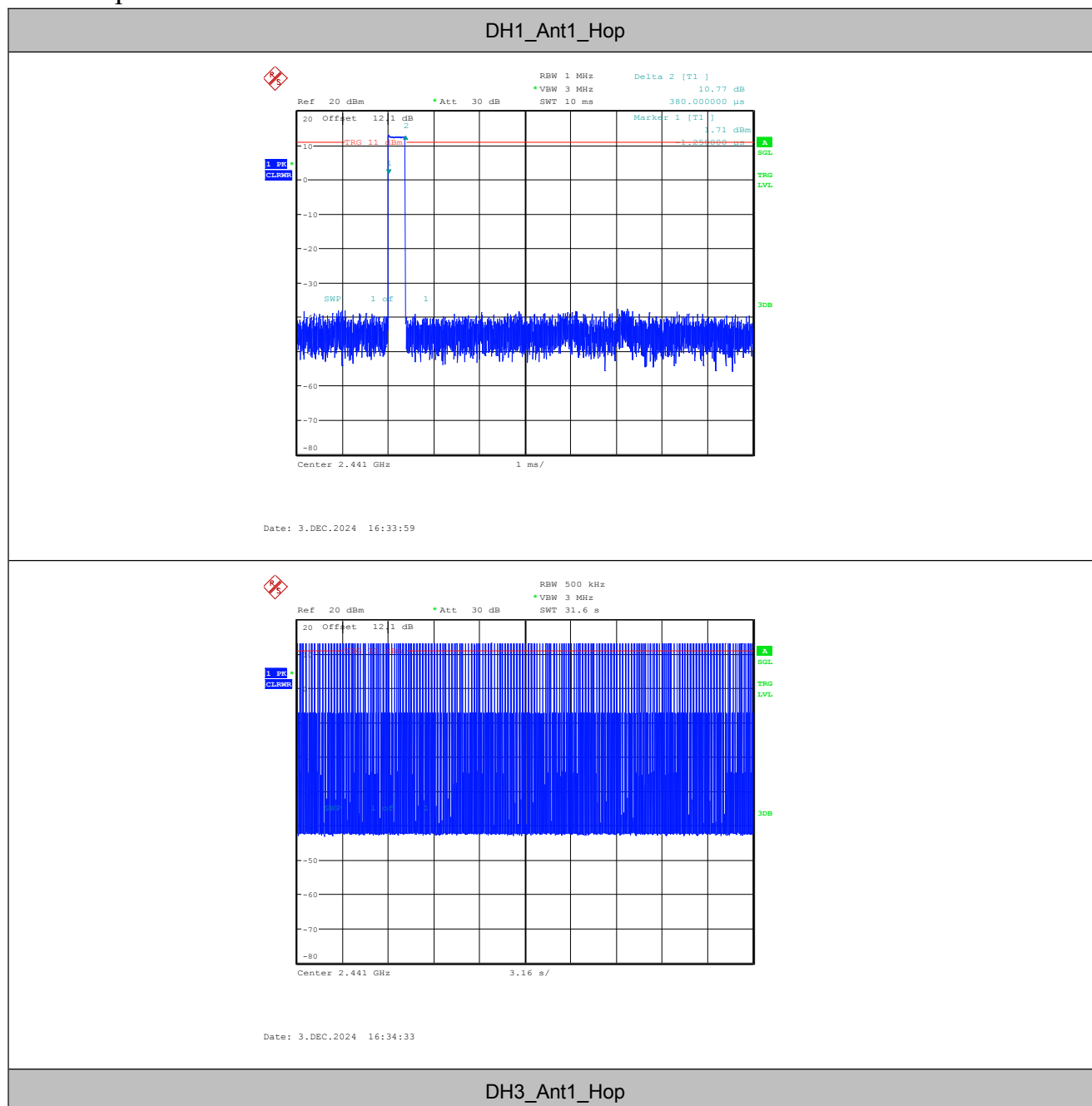


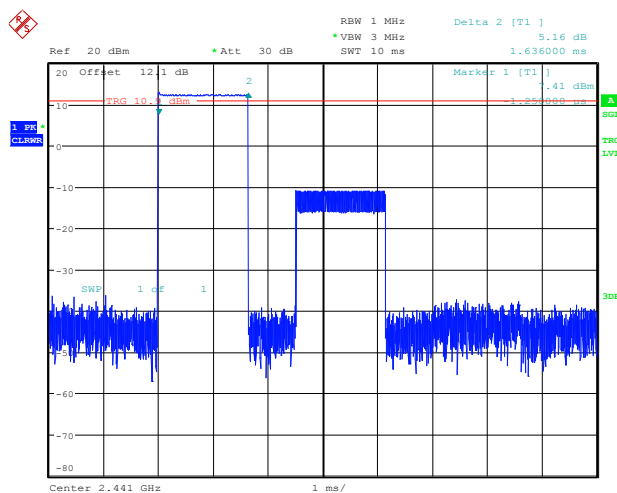
Appendix D: Time of occupancy

Test Result

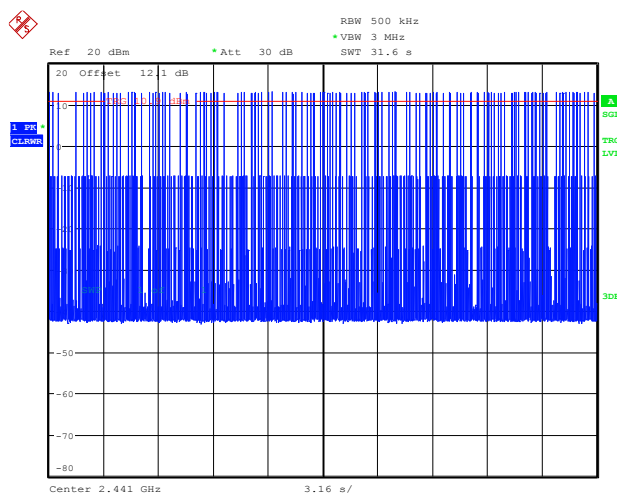
TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.380	320	0.122	≤0.4	PASS
DH3	Ant1	Hop	1.636	150	0.245	≤0.4	PASS
DH5	Ant1	Hop	2.884	119	0.343	≤0.4	PASS
3DH1	Ant1	Hop	0.380	315	0.12	≤0.4	PASS
3DH3	Ant1	Hop	1.636	168	0.275	≤0.4	PASS
3DH5	Ant1	Hop	2.888	113	0.326	≤0.4	PASS

Test Graphs



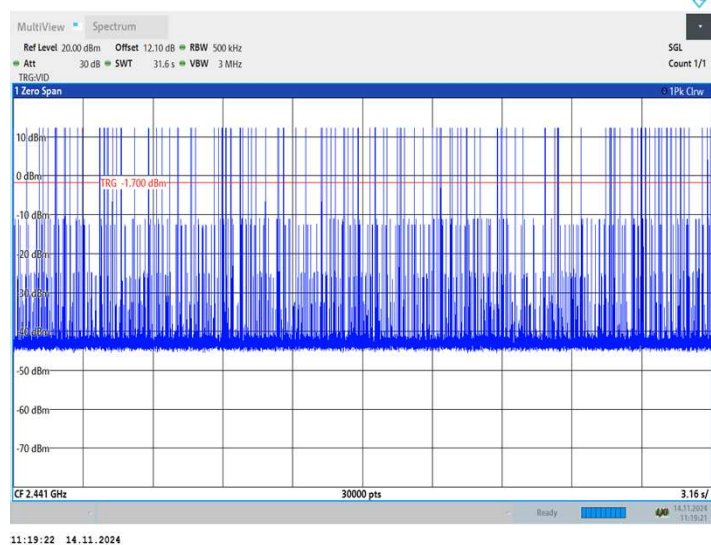
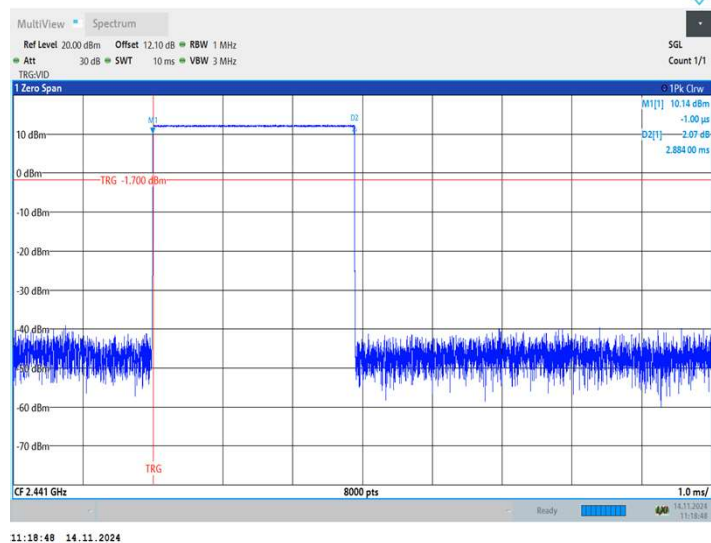


Date: 3.DEC.2024 16:42:55

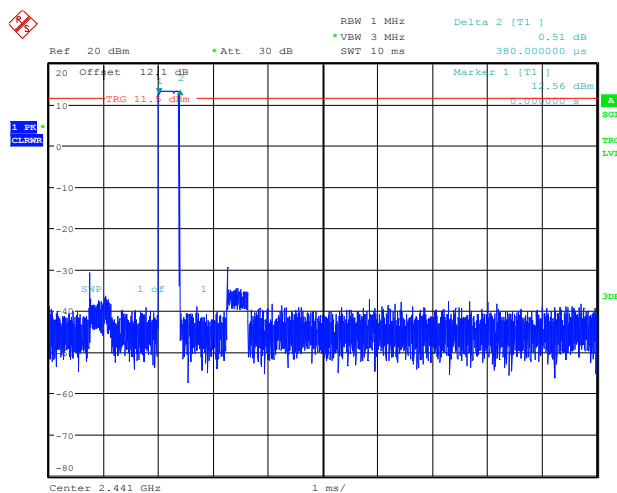


Date: 3.DEC.2024 16:43:29

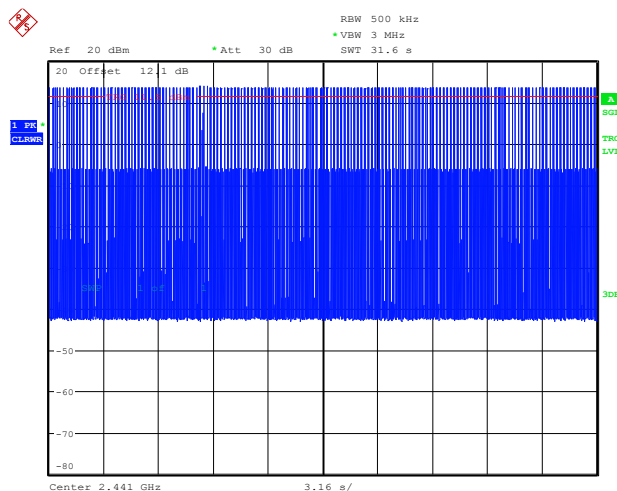
DH5_Ant1_Hop



3DH1_Ant1_Hop

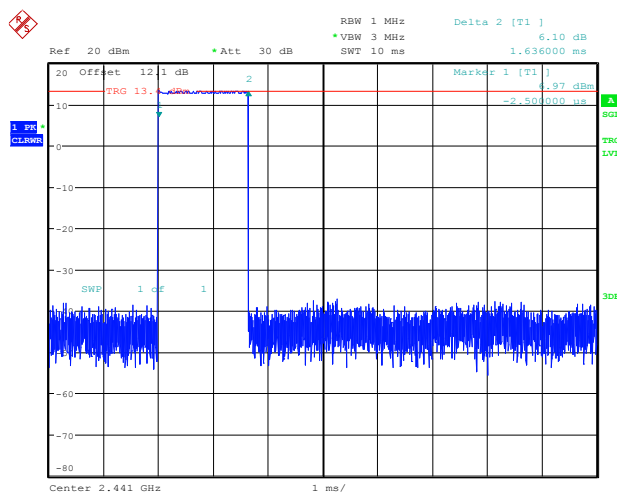


Date: 3.DEC.2024 17:21:30

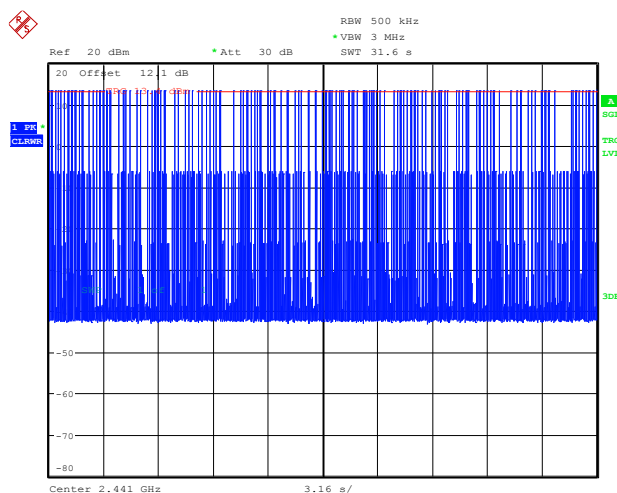


Date: 3.DEC.2024 17:22:04

3DH3_Ant1_Hop

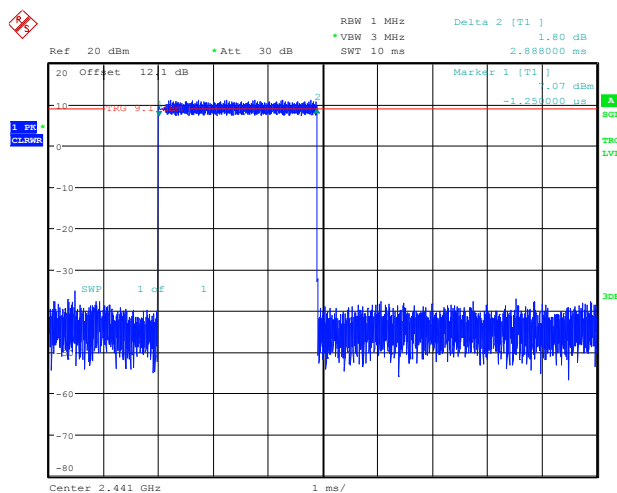


Date: 3.DEC.2024 17:24:15

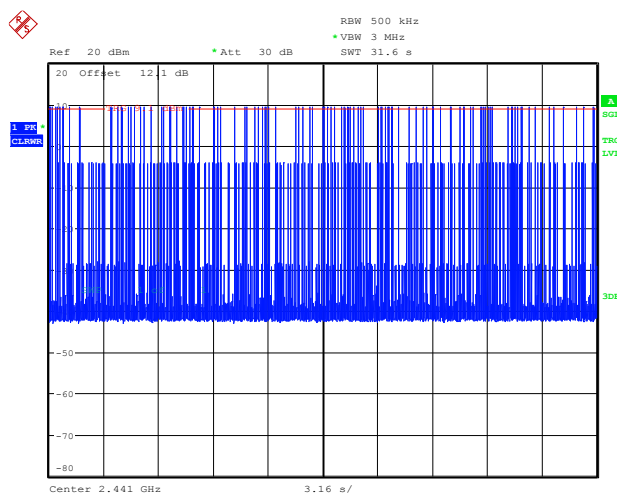


Date: 3.DEC.2024 17:24:49

3DH5_Ant1_Hop



Date: 3.DEC.2024 16:27:53



Date: 3.DEC.2024 16:28:27

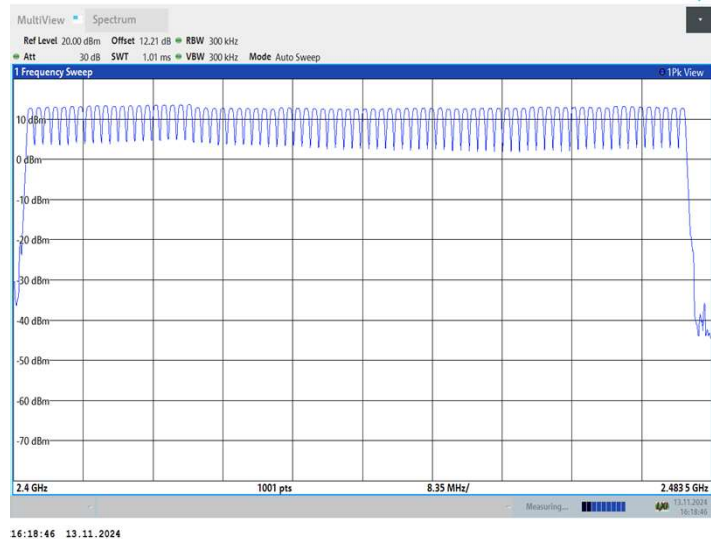
Appendix E: Number of hopping channels

Test Result

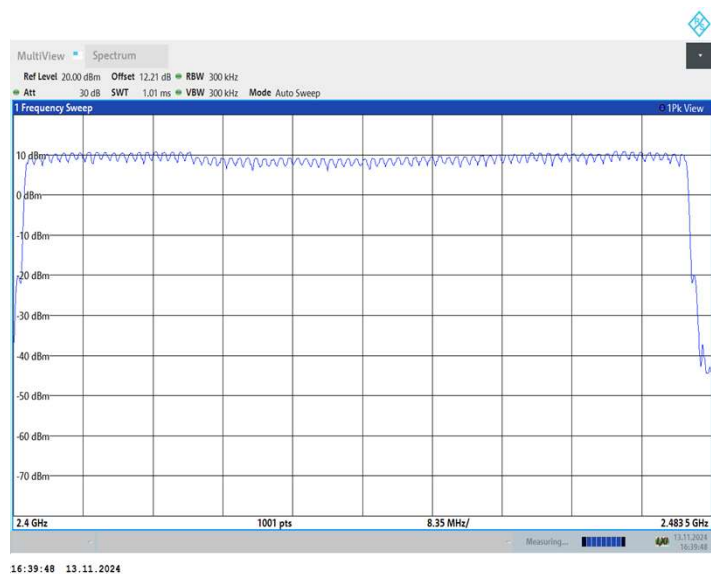
TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH1	Ant1	Hop	79	≥15	PASS
2DH1	Ant1	Hop	79	≥15	PASS
3DH1	Ant1	Hop	79	≥15	PASS

Test Graphs

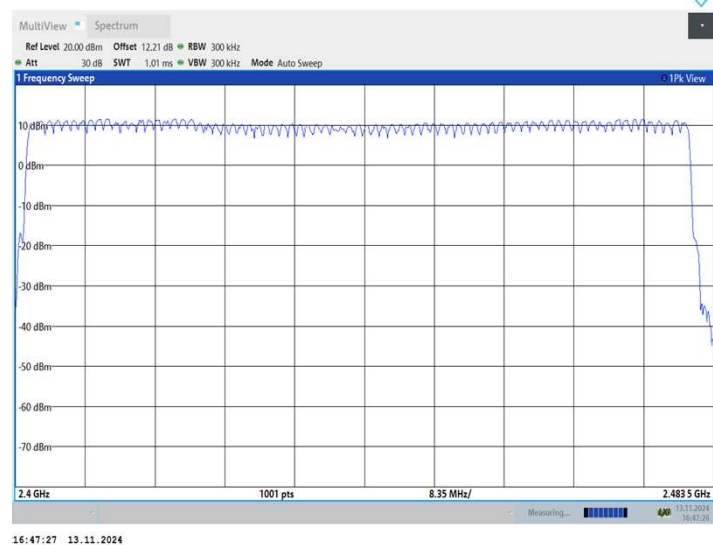
DH1_Ant1_Hop



2DH1_Ant1_Hop



3DH1_Ant1_Hop



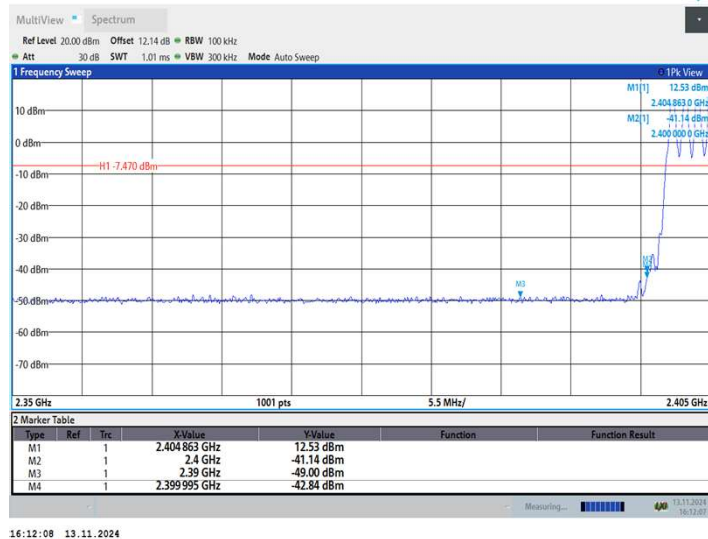
Appendix F: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	Low	Hop_2402	12.53	-42.84	≤-7.47	PASS
		High	Hop_2480	12.71	-47.01	≤-7.29	PASS
2DH1	Ant1	Low	Hop_2402	9.65	-46.92	≤-10.35	PASS
		High	Hop_2480	10.42	-47.35	≤-9.58	PASS
3DH1	Ant1	Low	Hop_2402	10.55	-39.76	≤-9.45	PASS
		High	Hop_2480	10.74	-44.56	≤-9.26	PASS

Test Graphs

DH1_Ant1_Low_Hop_2402



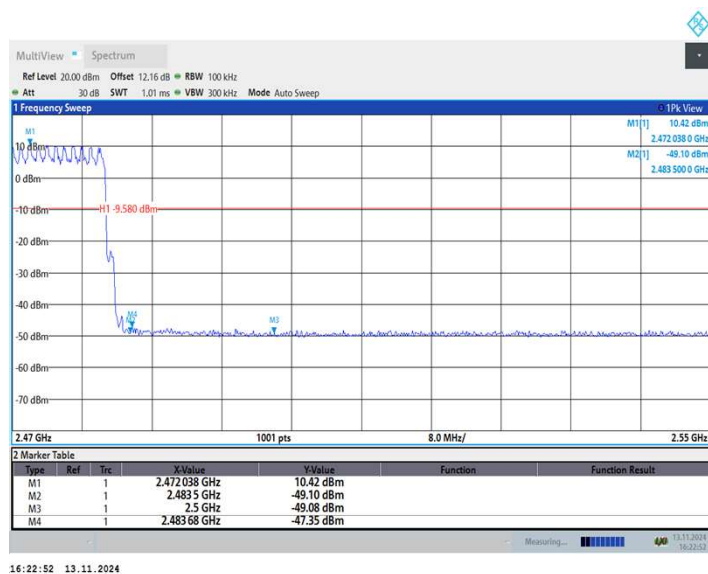
DH1_Ant1_High_Hop_2480



2DH1_Ant1_Low_Hop_2402



2DH1_Ant1_High_Hop_2480



3DH1_Ant1_Low_Hop_2402



3DH1_Ant1_High_Hop_2480



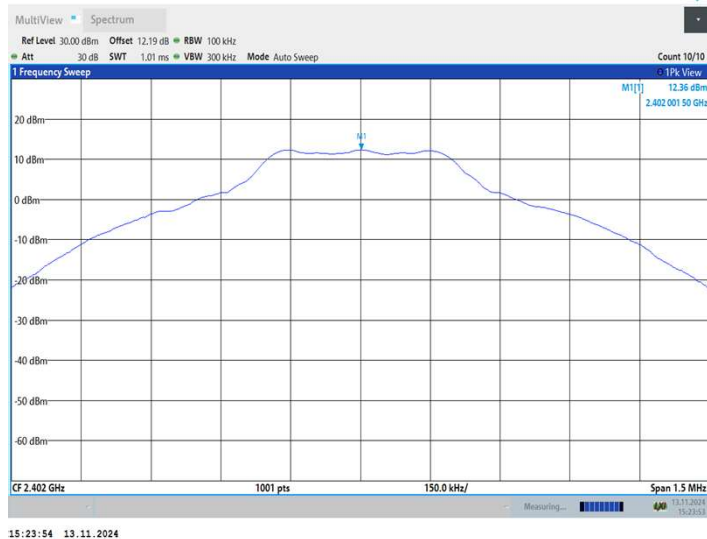
Appendix G: Conducted Spurious Emission

Test Result

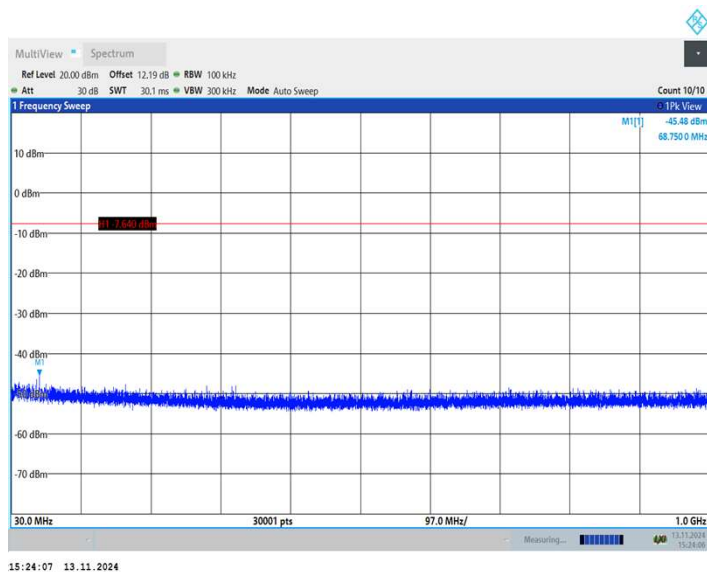
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH1	Ant1	2402	Reference	12.36	12.36	---	PASS
			30~1000	12.36	-45.48	≤ -7.64	PASS
			1000~26500	12.36	-41.25	≤ -7.64	PASS
		2441	Reference	12.06	12.06	---	PASS
			30~1000	12.06	-46.4	≤ -7.94	PASS
			1000~26500	12.06	-40.89	≤ -7.94	PASS
		2480	Reference	12.35	12.35	---	PASS
			30~1000	12.35	-46.89	≤ -7.65	PASS
			1000~26500	12.35	-41.25	≤ -7.65	PASS
2DH1	Ant1	2402	Reference	9.54	9.54	---	PASS
			30~1000	9.54	-46.25	≤ -10.46	PASS
			1000~26500	9.54	-40.98	≤ -10.46	PASS
		2441	Reference	8.61	8.61	---	PASS
			30~1000	8.61	-46.92	≤ -11.39	PASS
			1000~26500	8.61	-40.07	≤ -11.39	PASS
		2480	Reference	9.87	9.87	---	PASS
			30~1000	9.87	-47.05	≤ -10.13	PASS
			1000~26500	9.87	-41.09	≤ -10.13	PASS
3DH1	Ant1	2402	Reference	10.51	10.51	---	PASS
			30~1000	10.51	-46.42	≤ -9.49	PASS
			1000~26500	10.51	-40.72	≤ -9.49	PASS
		2441	Reference	9.67	9.67	---	PASS
			30~1000	9.67	-45.78	≤ -10.33	PASS
			1000~26500	9.67	-41.29	≤ -10.33	PASS
		2480	Reference	10.63	10.63	---	PASS
			30~1000	10.63	-47.44	≤ -9.37	PASS
			1000~26500	10.63	-41.32	≤ -9.37	PASS

Test Graphs

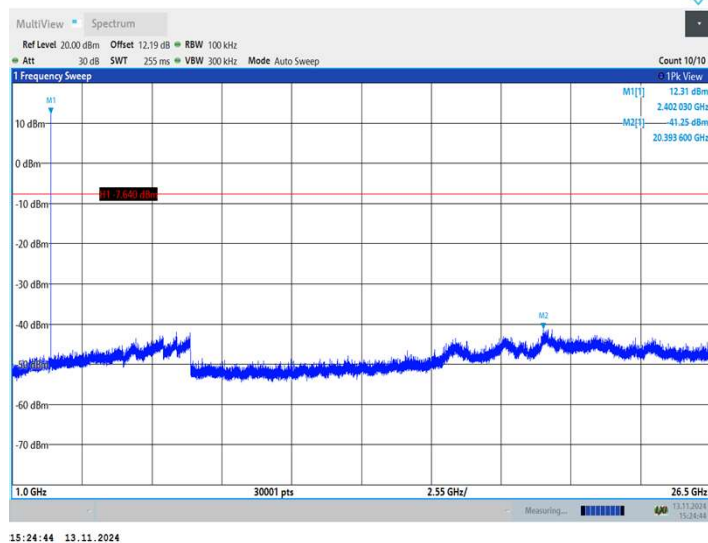
DH1_Ant1_2402_0~Reference



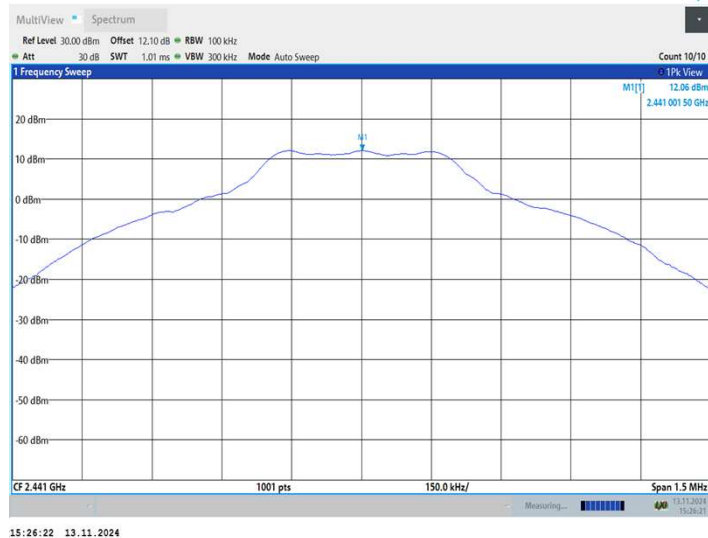
DH1_Ant1_2402_30~1000



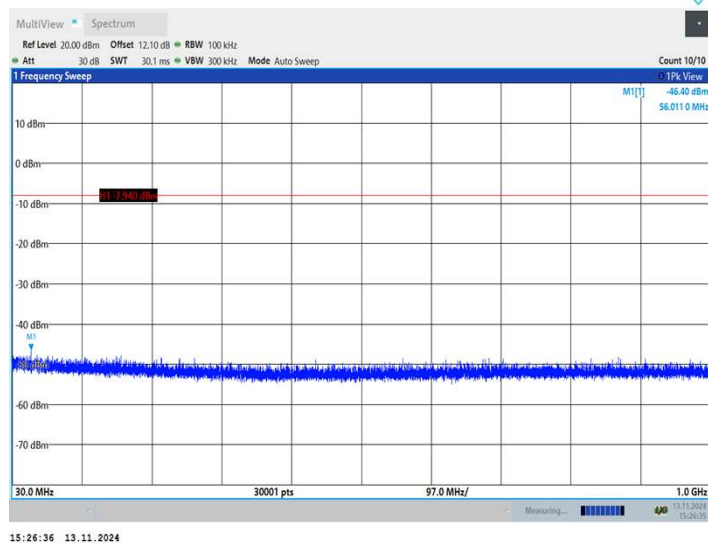
DH1_Ant1_2402_1000~26500



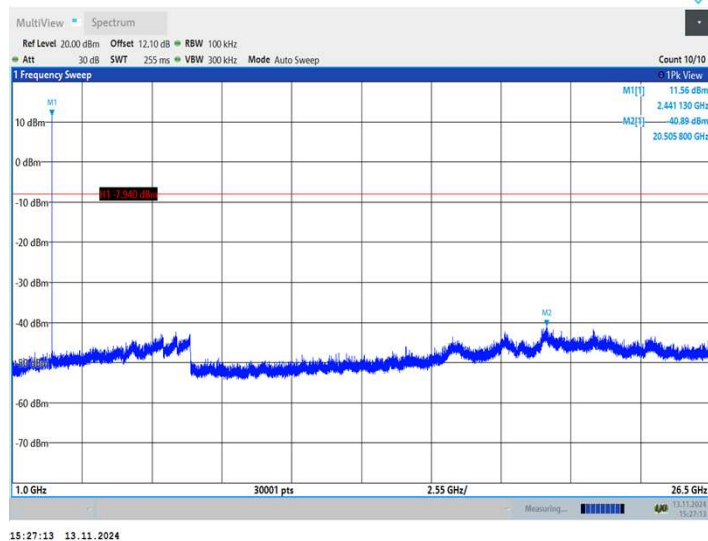
DH1_Ant1_2441_0~Reference



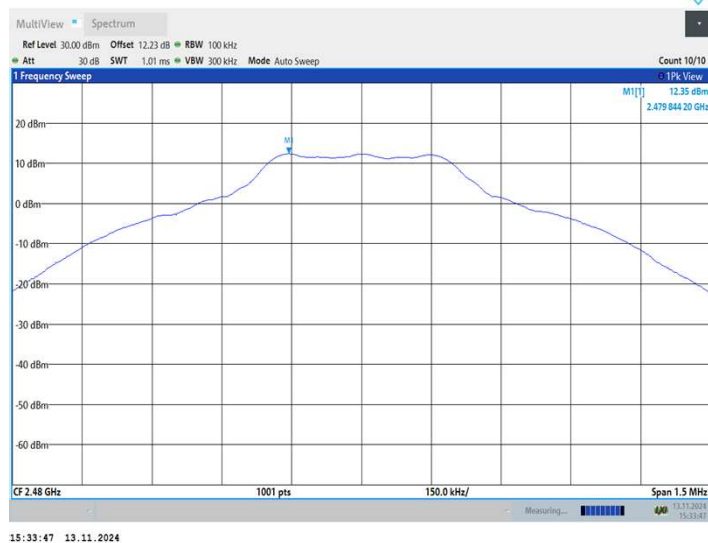
DH1_Ant1_2441_30~1000



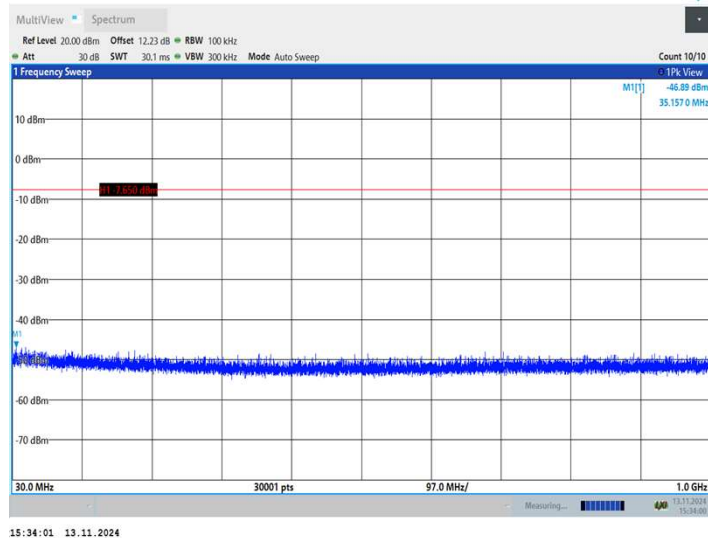
DH1_Ant1_2441_1000~26500



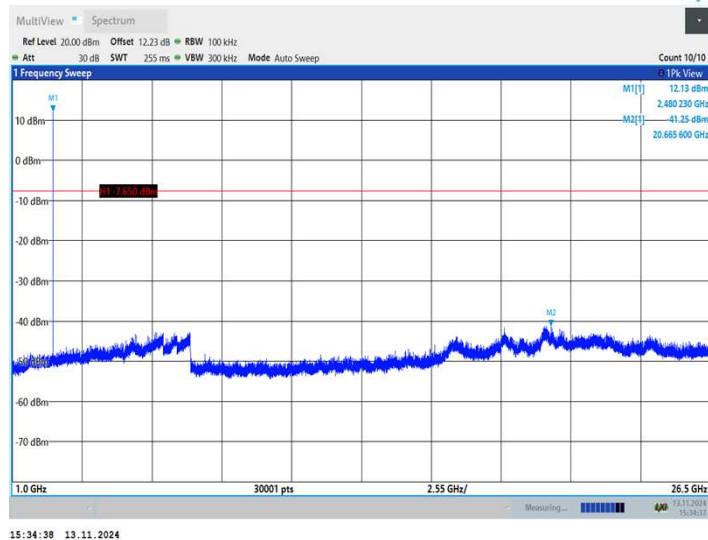
DH1_Ant1_2480_0~Reference



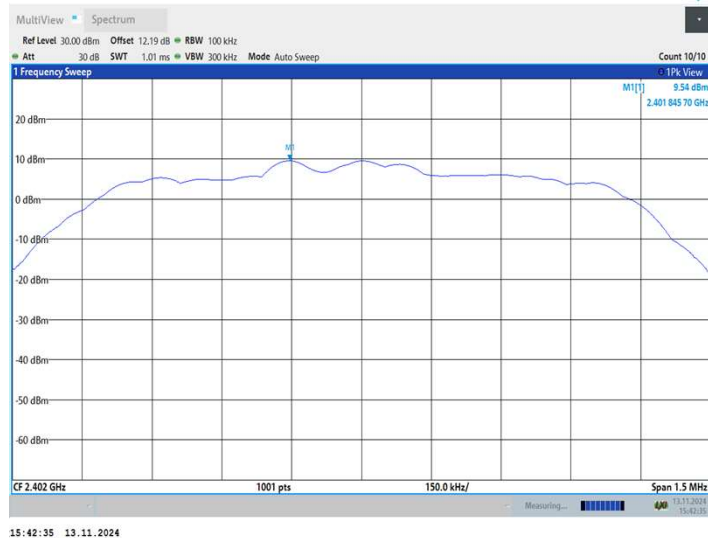
DH1_Ant1_2480_30~1000



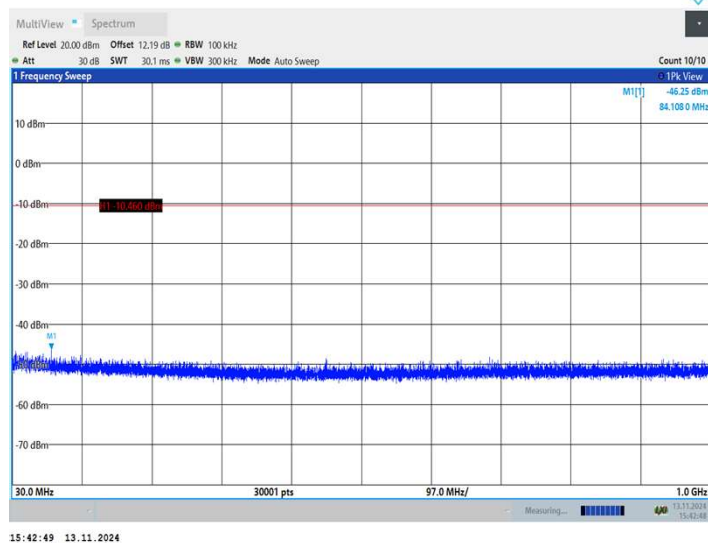
DH1_Ant1_2480_1000~26500



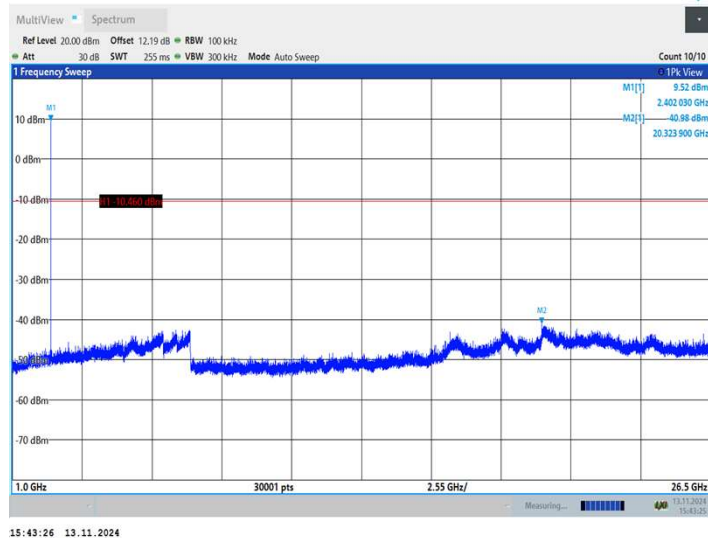
2DH1_Ant1_2402_0~Reference



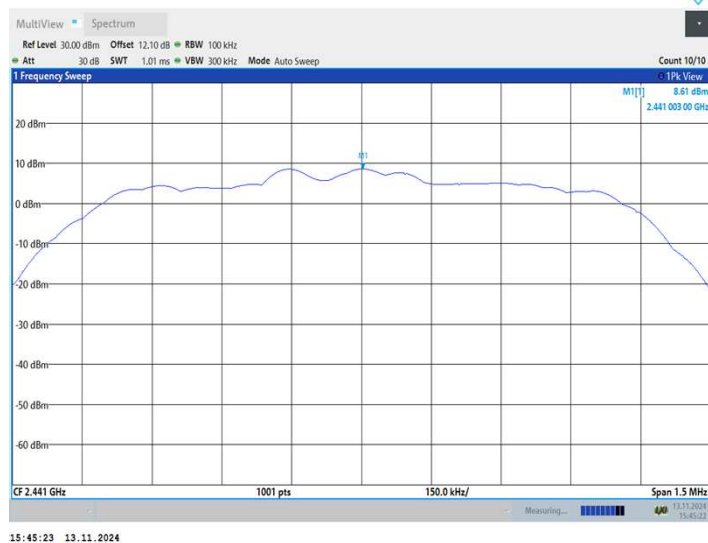
2DH1_Ant1_2402_30~1000



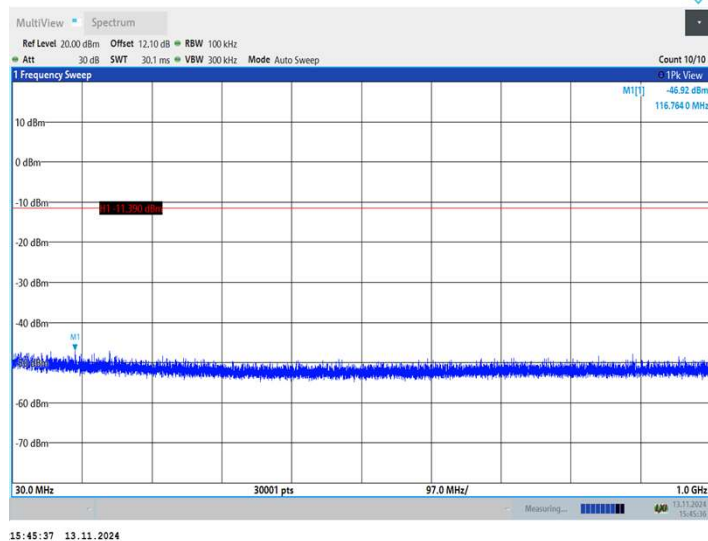
2DH1_Ant1_2402_1000~26500



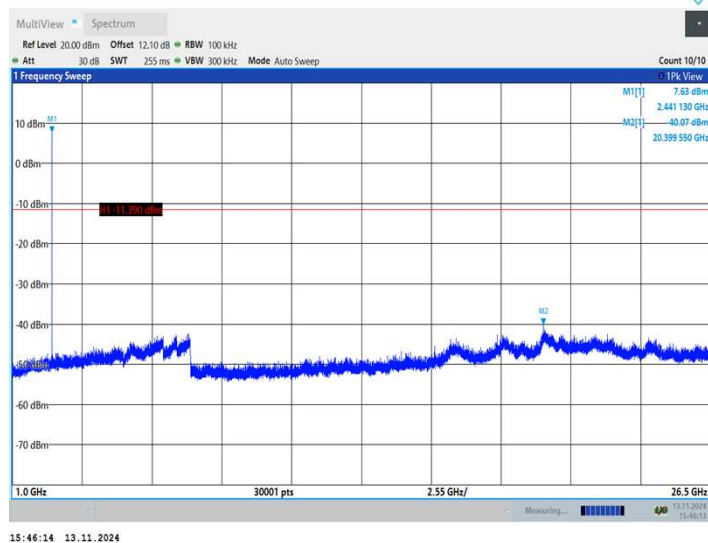
2DH1_Ant1_2441_0~Reference



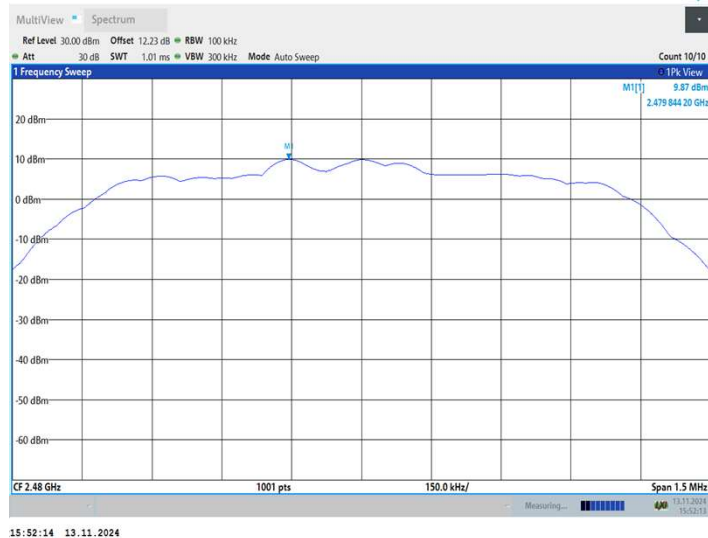
2DH1_Ant1_2441_30~1000



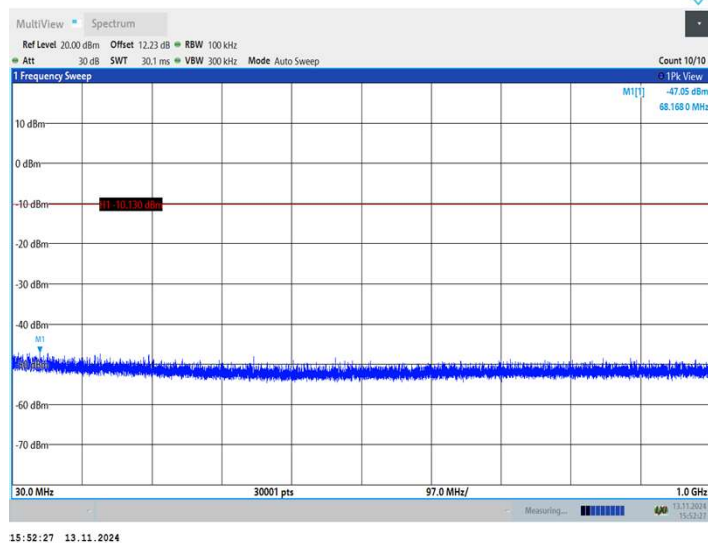
2DH1_Ant1_2441_1000~26500



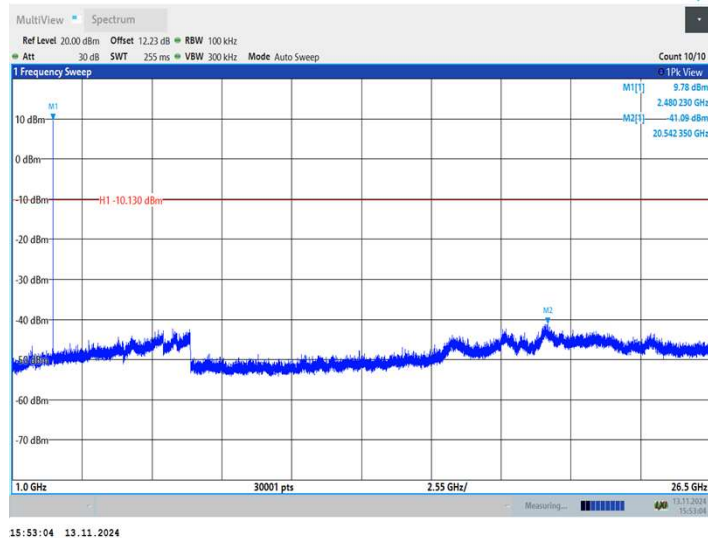
2DH1_Ant1_2480_0~Reference



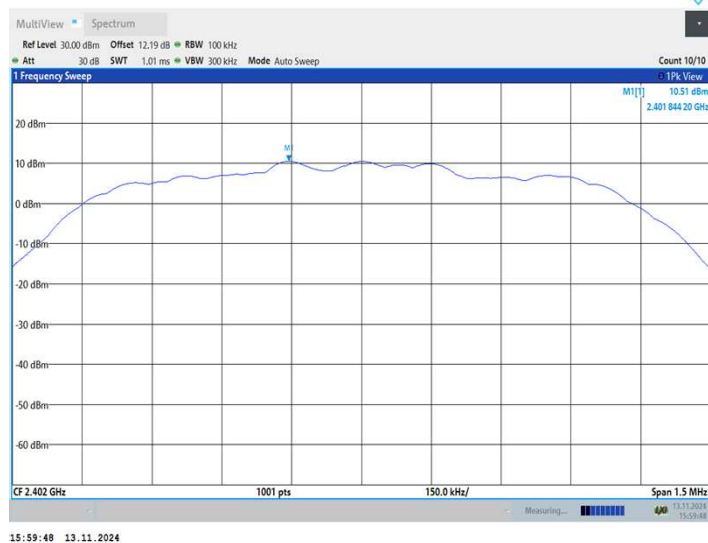
2DH1_Ant1_2480_30~1000



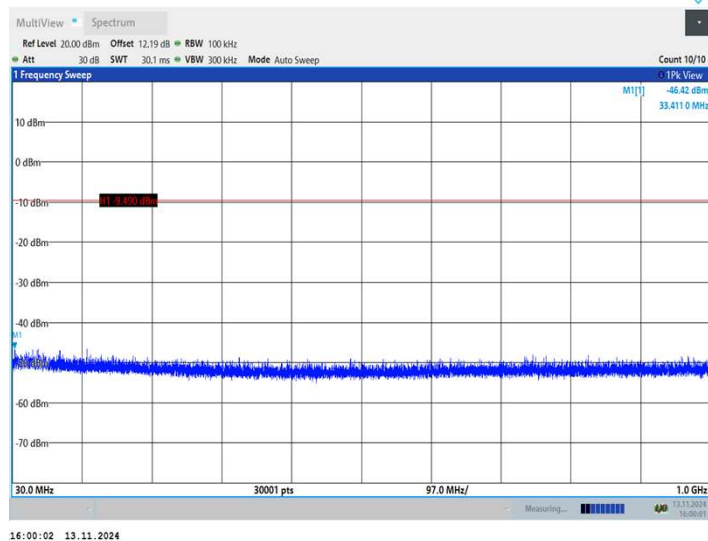
2DH1_Ant1_2480_1000~26500



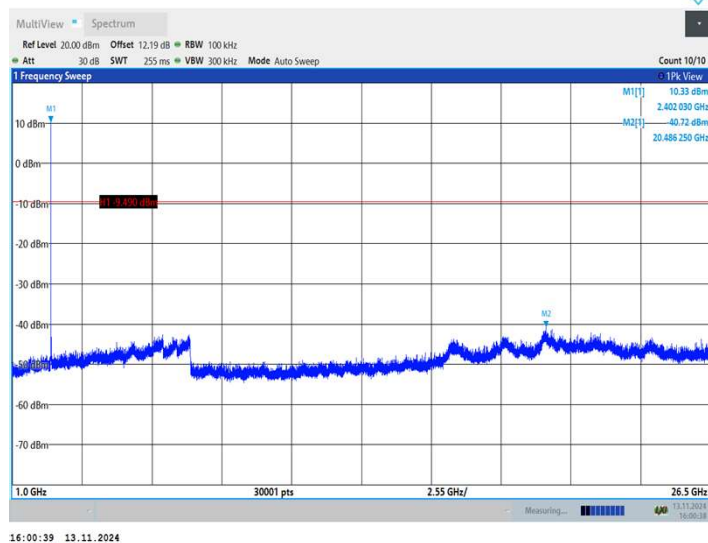
3DH1_Ant1_2402_0~Reference



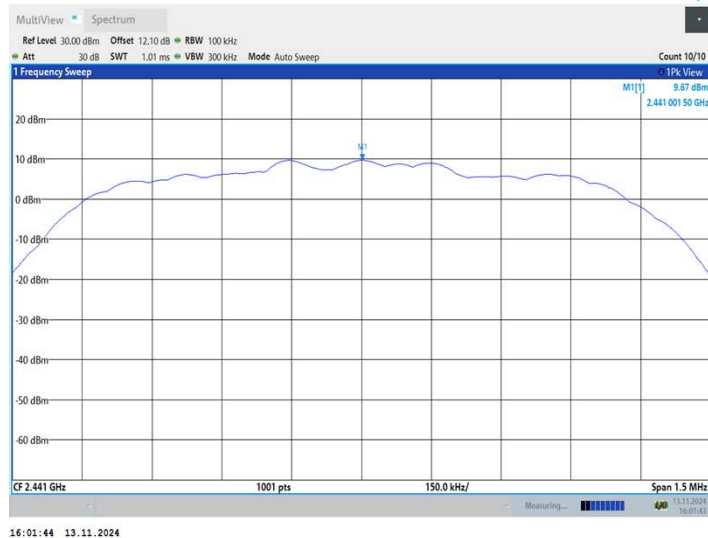
3DH1_Ant1_2402_30~1000



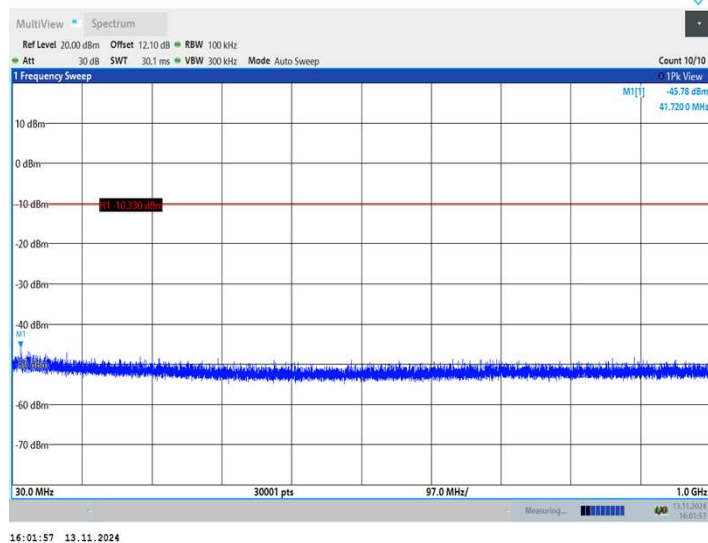
3DH1_Ant1_2402_1000~26500



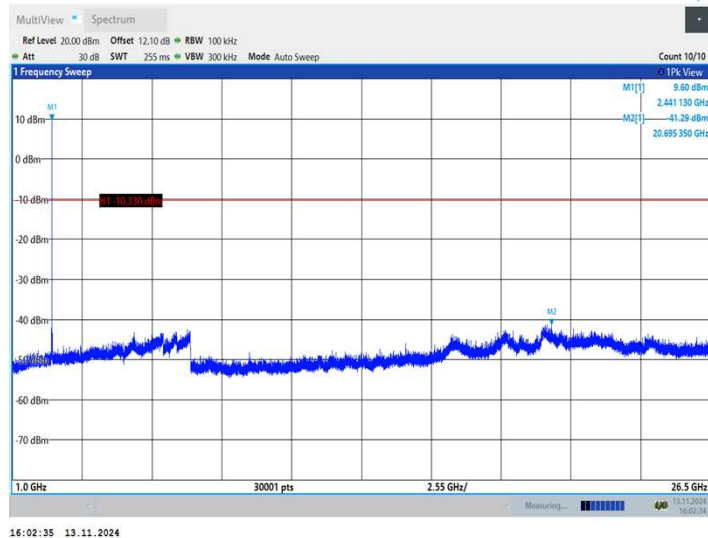
3DH1_Ant1_2441_0~Reference



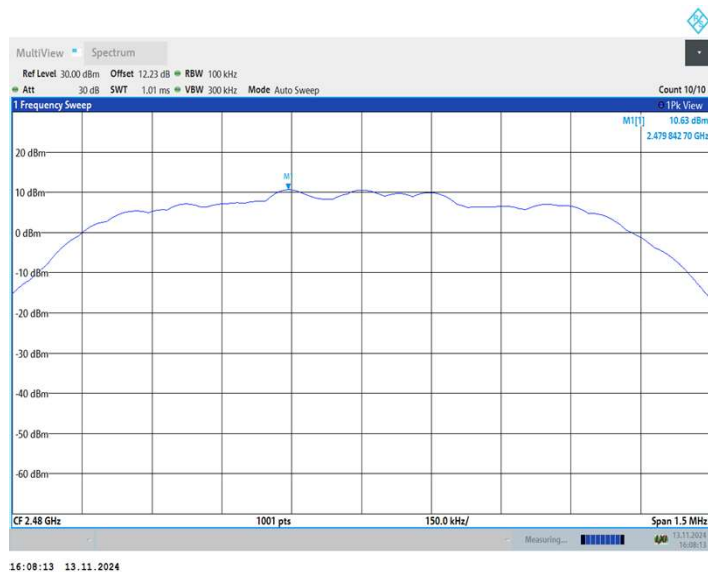
3DH1_Ant1_2441_30~1000



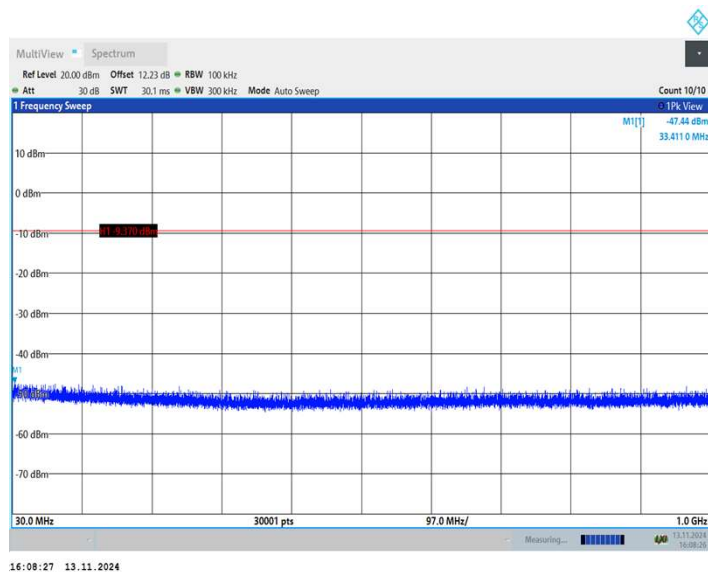
3DH1_Ant1_2441_1000~26500



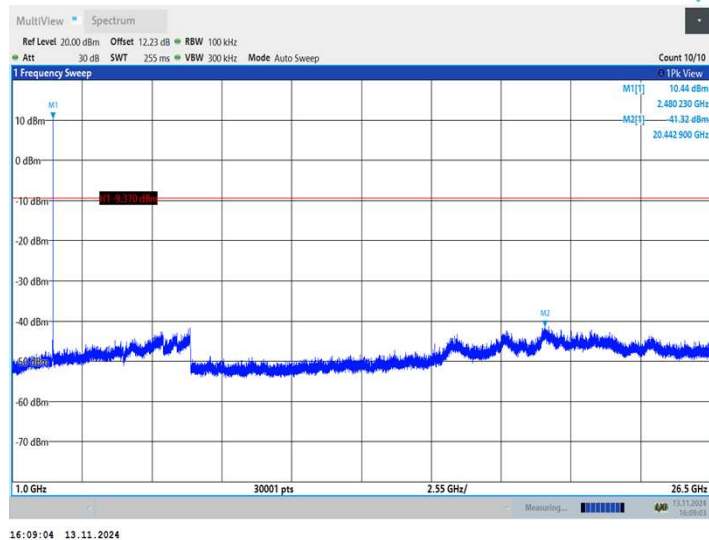
3DH1_Ant1_2480_0~Reference



3DH1_Ant1_2480_30~1000



3DH1_Ant1_2480_1000~26500



Appendix H: Radiated Bandedge and Spurious

9 kHz-30MHz

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was

20dB lower than the limit line per 15.31(o) was not reported.

Radiated Emission Test Data 9k Hz-30MHz

Frequency (MHz)	Cable Loss +preamp (dB)	Antenna Factor (dB)	Reading (dBμV/m)	Level (dBμV/m)	Polarity (H/V)	Limit (dBμV/m)	Margin (dB)	Note
--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--

30MHz-1GHz

Worst case is shown below for 30MHz-1GHz only.

The emissions don't show in following result tables are more than 20dB below the limits.

Radiated Emission Test Data 30MHz-1GHz

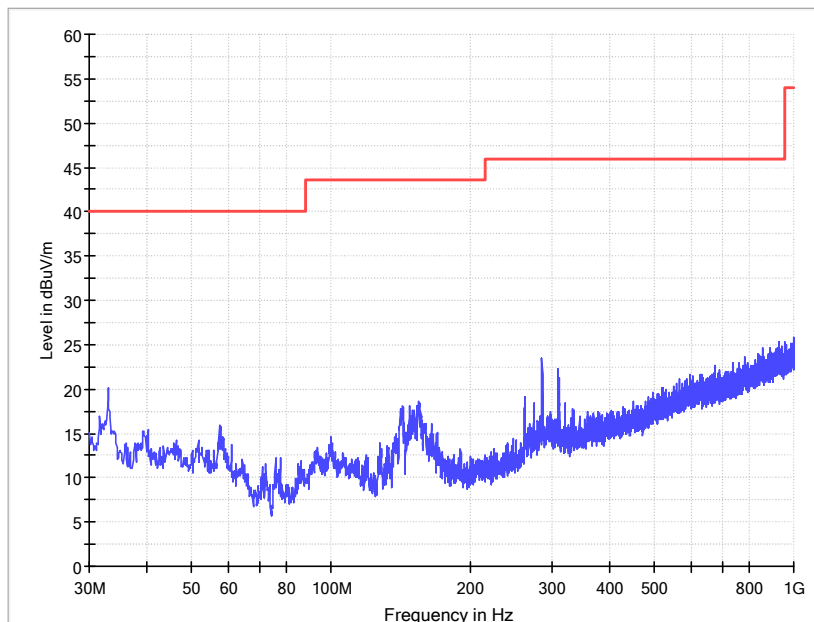
Frequency (MHz)	Cable Loss +preamp (dB)	Antenna Factor (dB)	Reading (dBμV/m)	Level (dBμV/m)	Polarity (Horizontal/Vertical)	Limit (dBμV/m)	Margin (dB)	Note
30	0.6	12.3	13.5	26.4	Vertical	40.0	13.6	QP
32.91	0.7	12.3	22.8	35.8	Vertical	40.0	4.2	QP
57.267	0.8	13.0	13.6	27.4	Vertical	40.0	12.6	QP
71.602	0.9	8.7	15.7	25.3	Vertical	40.0	14.7	QP
131.311	1.3	8.9	17.6	27.8	Vertical	43.5	15.7	QP
154.914	1.4	8.3	16.5	26.2	Vertical	43.5	17.3	QP
33.017	0.7	12.3	7.1	20.1	Horizontal	40	19.9	QP

57.267	0.8	13.0	2.1	15.9	Horizontal	40	24.1	QP
142.843	1.3	8.2	8.7	18.2	Horizontal	43.5	25.3	QP
154.806	1.4	8.3	8.9	18.6	Horizontal	43.5	24.9	QP
285.972	2.0	12.7	8.7	23.4	Horizontal	46	22.6	QP
309.791	2.1	13.1	7.2	22.4	Horizontal	46	23.6	QP

Remark: Emission level (dBuV)=Read Value(dBuV/m) + Antenna Factor(dB)+ Cable Loss +preamp(dB)

30MHz-1GHz

Horizontal



Vertical

