



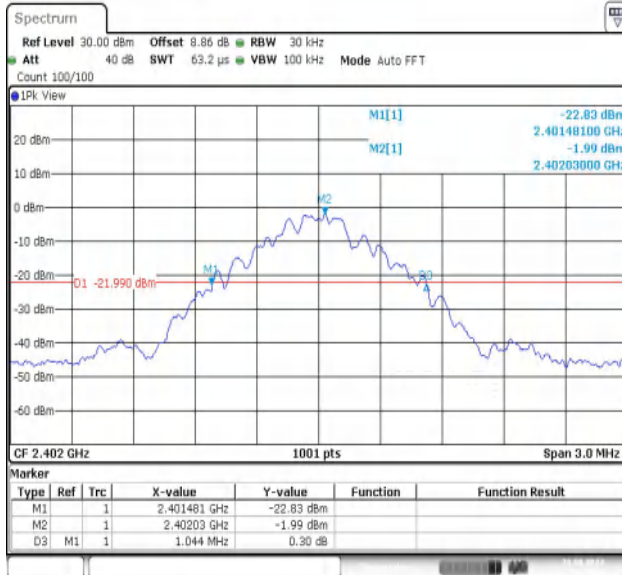
Appendix A: 20dB Emission Bandwidth

Test Result

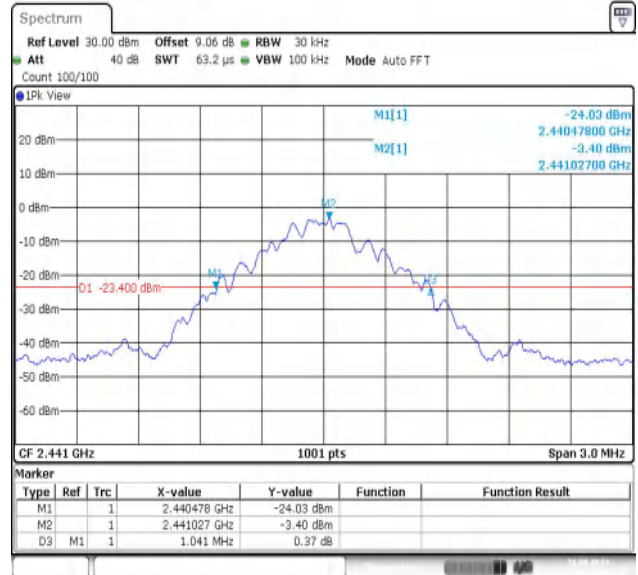
Test Mode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.04	2401.48	2402.53	---	---
DH5	Ant1	2441	1.04	2440.48	2441.52	---	---
DH5	Ant1	2480	1.04	2479.48	2480.52	---	---
2DH5	Ant1	2402	1.35	2401.31	2402.66	---	---
2DH5	Ant1	2441	1.36	2440.31	2441.67	---	---
2DH5	Ant1	2480	1.35	2479.30	2480.65	---	---
3DH5	Ant1	2402	1.36	2401.31	2402.68	---	---
3DH5	Ant1	2441	1.36	2440.31	2441.68	---	---
3DH5	Ant1	2480	1.37	2479.31	2480.68	---	---



Test Graphs



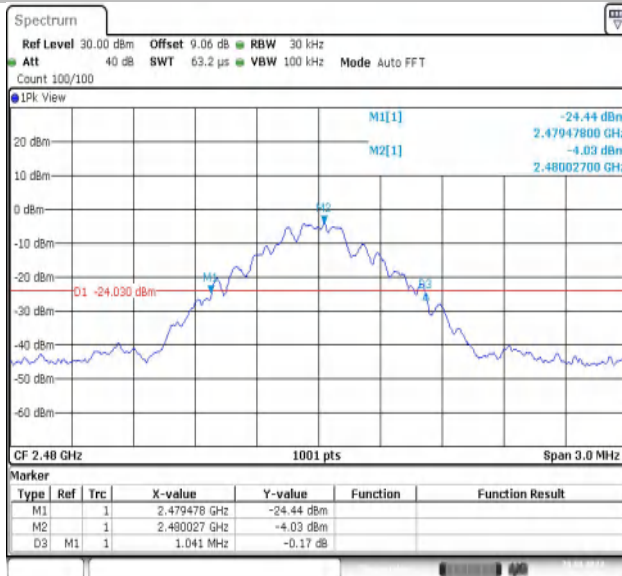
Date: 28.AUG.2024 15:37:37



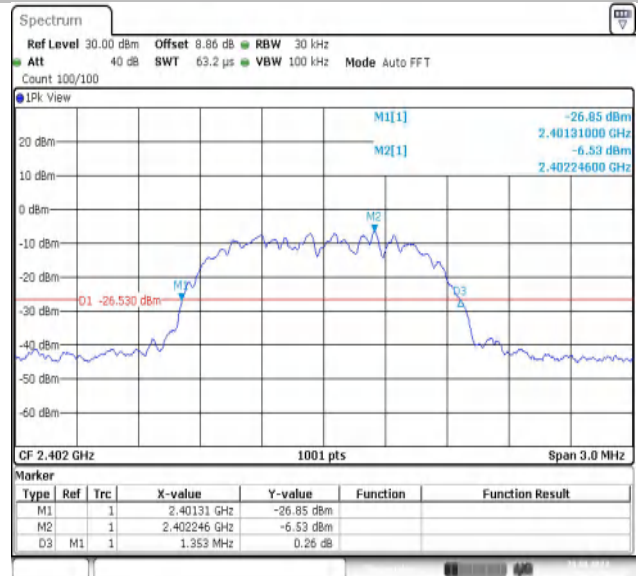
Date: 28.AUG.2024 15:48:58

DH5-Ant1-2402

DH5-Ant1-2441



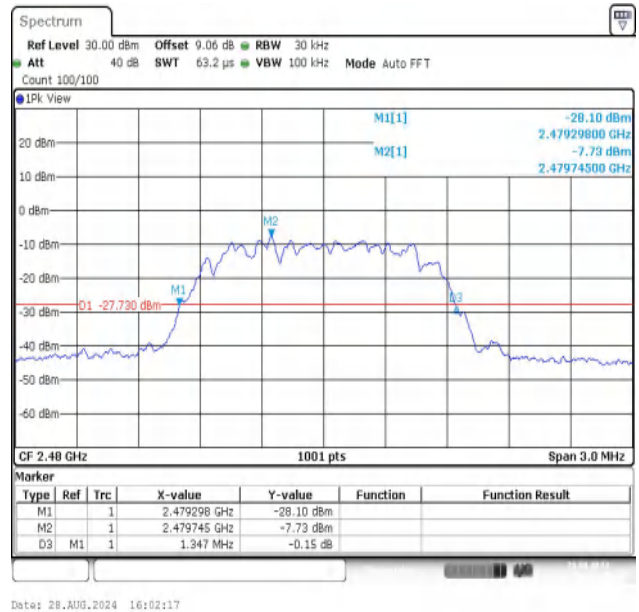
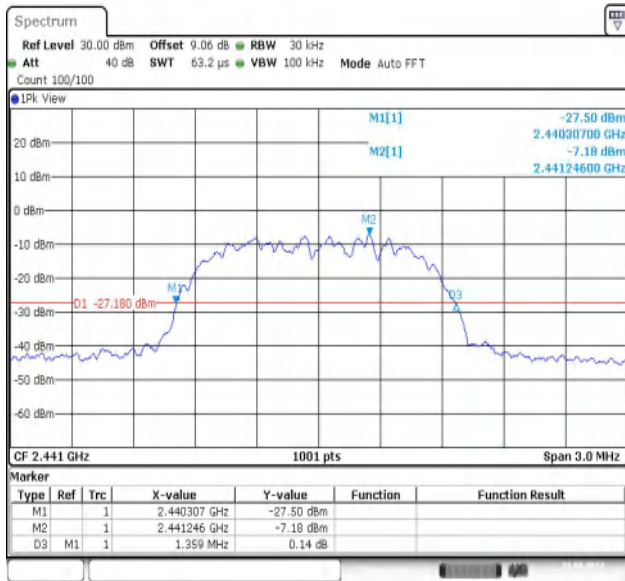
Date: 28.AUG.2024 15:53:08



Date: 28.AUG.2024 15:56:24

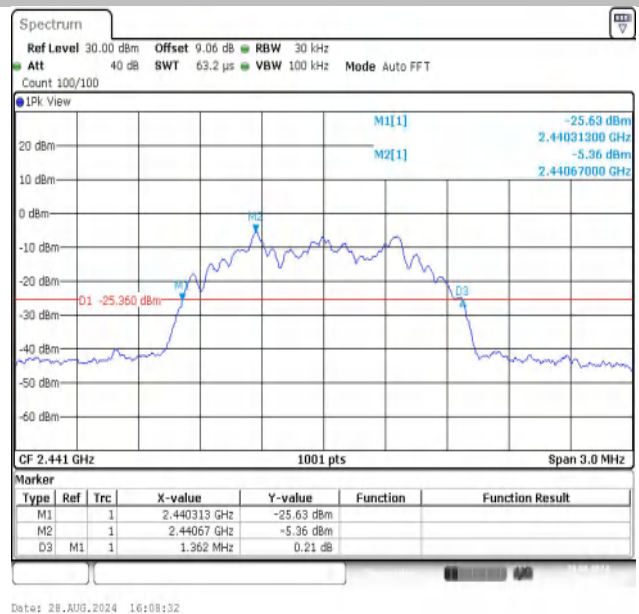
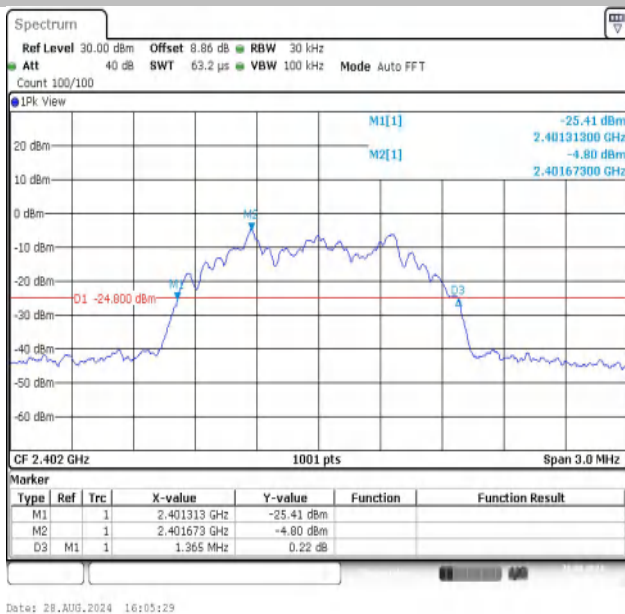
DH5-Ant1-2480

2DH5-Ant1-2402



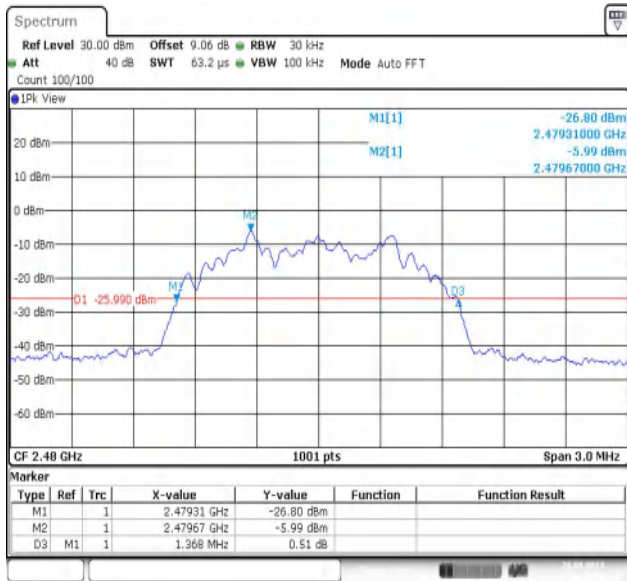
2DH5-Ant1-2441

2DH5-Ant1-2480



3DH5-Ant1-2402

3DH5-Ant1-2441



Date: 28.AUG.2024 16:18:55

3DH5-Ant1-2480



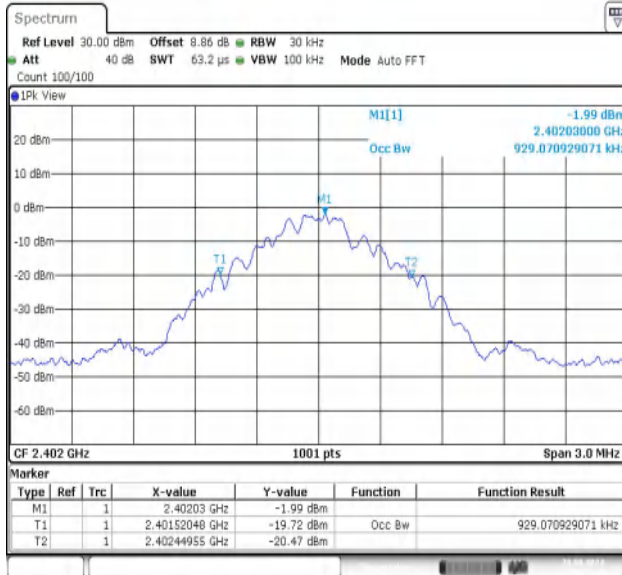
Appendix B: Occupied Channel Bandwidth

Test Result

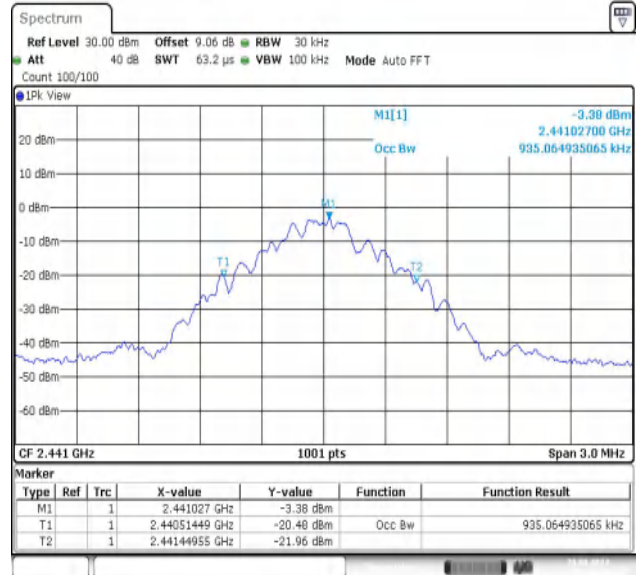
Test Mode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.929	2401.5205	2402.4496	---	---
DH5	Ant1	2441	0.935	2440.5145	2441.4496	---	---
DH5	Ant1	2480	0.935	2479.5115	2480.4466	---	---
2DH5	Ant1	2402	1.196	2401.3886	2402.5844	---	---
2DH5	Ant1	2441	1.199	2440.3856	2441.5844	---	---
2DH5	Ant1	2480	1.193	2479.3886	2480.5814	---	---
3DH5	Ant1	2402	1.229	2401.3616	2402.5904	---	---
3DH5	Ant1	2441	1.232	2440.3586	2441.5904	---	---
3DH5	Ant1	2480	1.232	2479.3586	2480.5904	---	---



Test Graphs



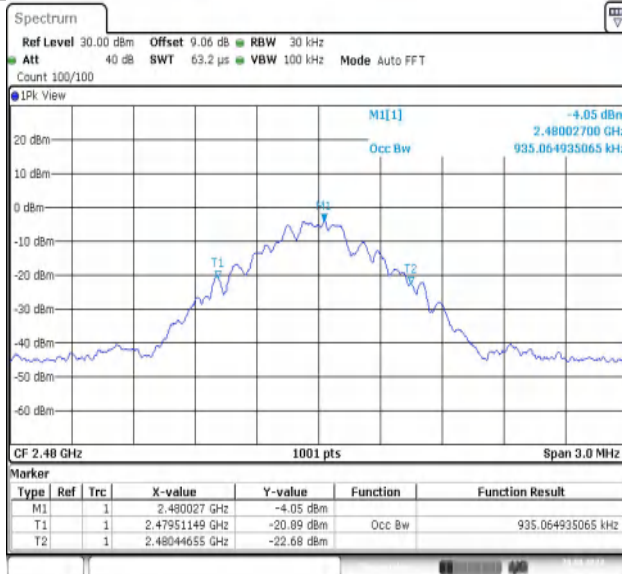
Date: 28.AUG.2024 15:37:44



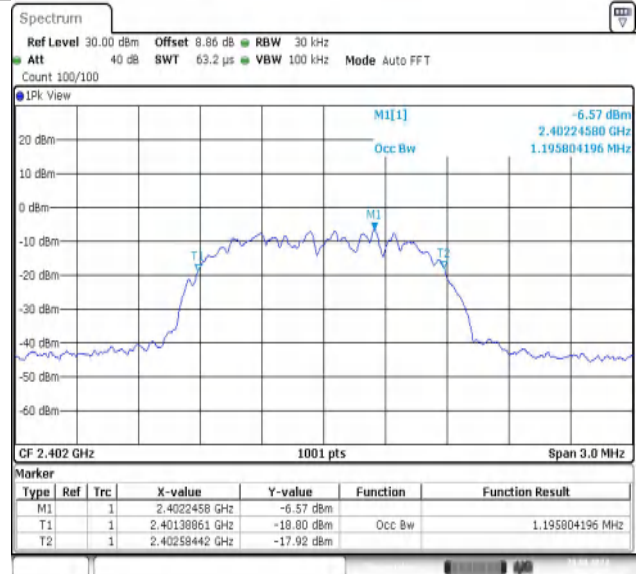
Date: 28.AUG.2024 15:49:06

DH5-Ant1-2402

DH5-Ant1-2441



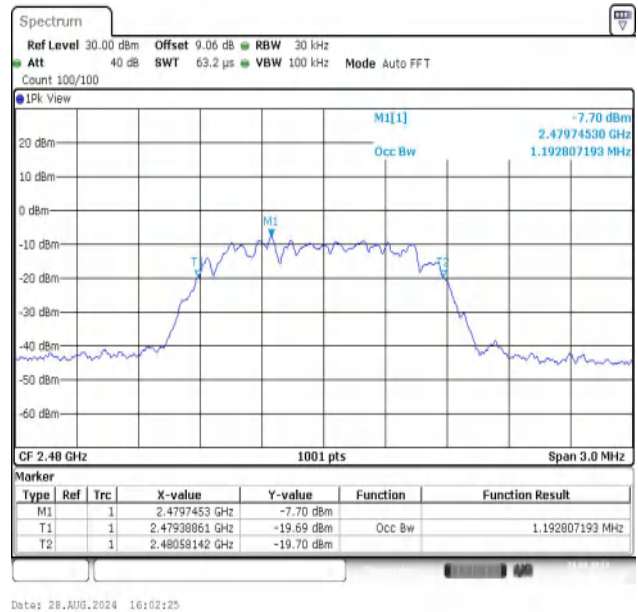
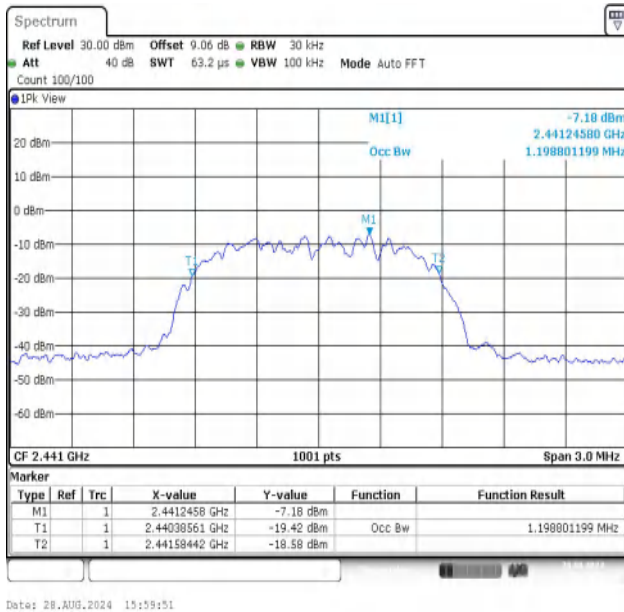
Date: 28.AUG.2024 15:53:16



Date: 28.AUG.2024 15:56:32

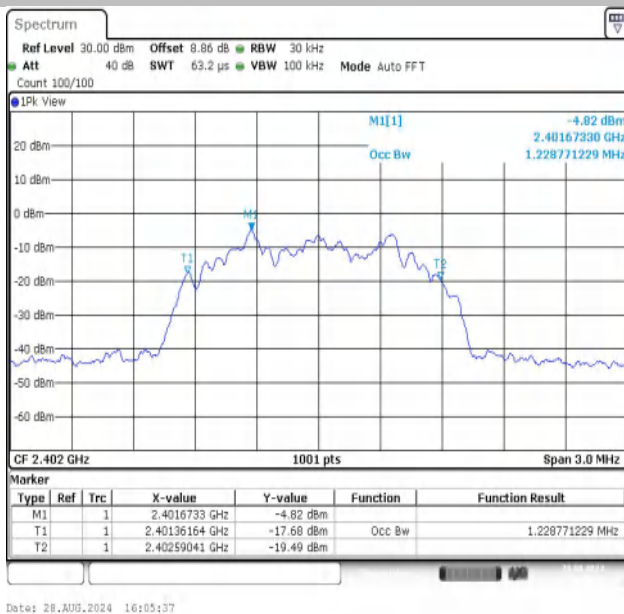
DH5-Ant1-2480

2DH5-Ant1-2402



2DH5-Ant1-2441

2DH5-Ant1-2480



3DH5-Ant1-2402

3DH5-Ant1-2441



Date: 28.AUG.2024 16:11:03

3DH5-Ant1-2480



Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Peak Power [dBm]	Peak Powe Limit [dBm]	Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
DH5	Ant1	2402	2.40	≤20.97	1.41	3.81	---	PASS
DH5	Ant1	2441	1.90	≤20.97	1.41	3.31	---	PASS
DH5	Ant1	2480	1.27	≤20.97	1.41	2.68	---	PASS
2DH5	Ant1	2402	3.58	≤30	1.41	4.99	---	PASS
2DH5	Ant1	2441	3.28	≤30	1.41	4.69	---	PASS
2DH5	Ant1	2480	2.41	≤30	1.41	3.82	---	PASS
3DH5	Ant1	2402	3.61	≤30	1.41	5.02	---	PASS
3DH5	Ant1	2441	3.03	≤30	1.41	4.44	---	PASS
3DH5	Ant1	2480	2.47	≤30	1.41	3.88	---	PASS



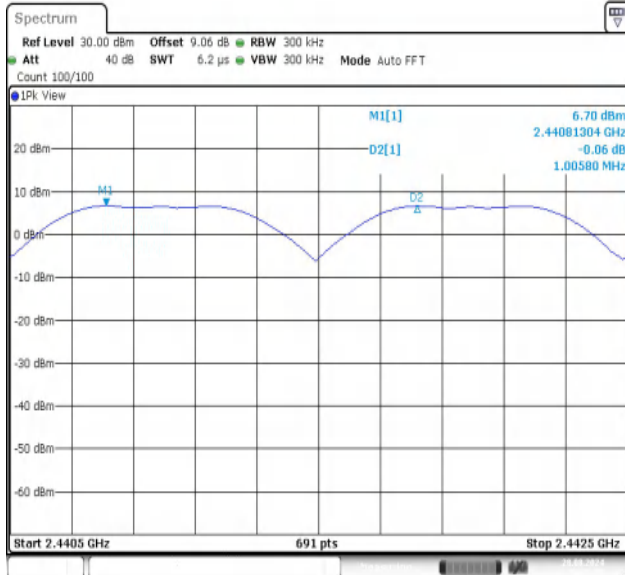
Appendix D: Carrier frequency separation

Test Result

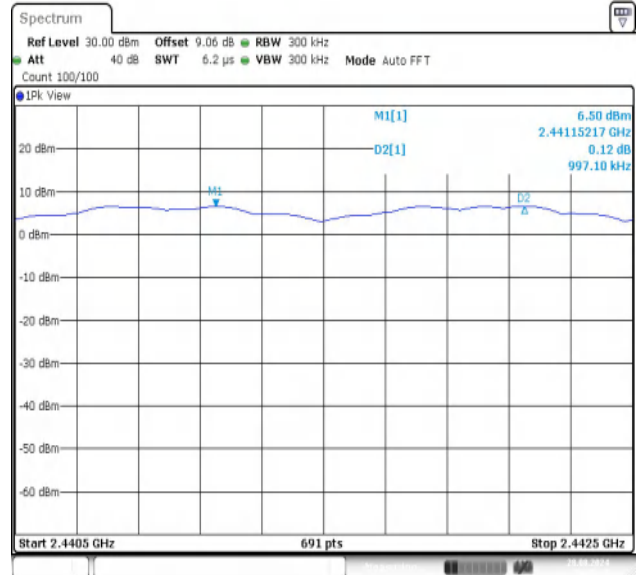
Test Mode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.006	≥ 0.693	PASS
2DH5	Ant1	Hop	0.997	≥ 0.907	PASS
3DH5	Ant1	Hop	1.017	≥ 0.913	PASS



Test Graphs



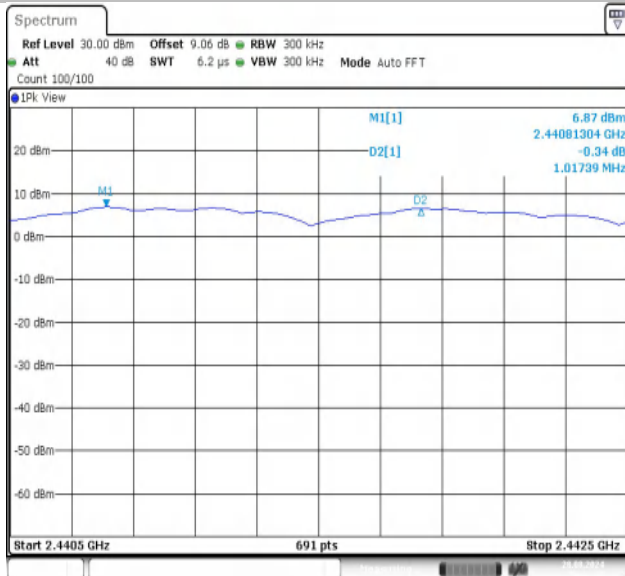
Date: 28.AUG.2024 16:15:14



Date: 28.AUG.2024 16:19:41

DH5-Ant1-Hop-PASS

2DH5-Ant1-Hop-PASS



Date: 28.AUG.2024 16:24:15

3DH5-Ant1-Hop-PASS



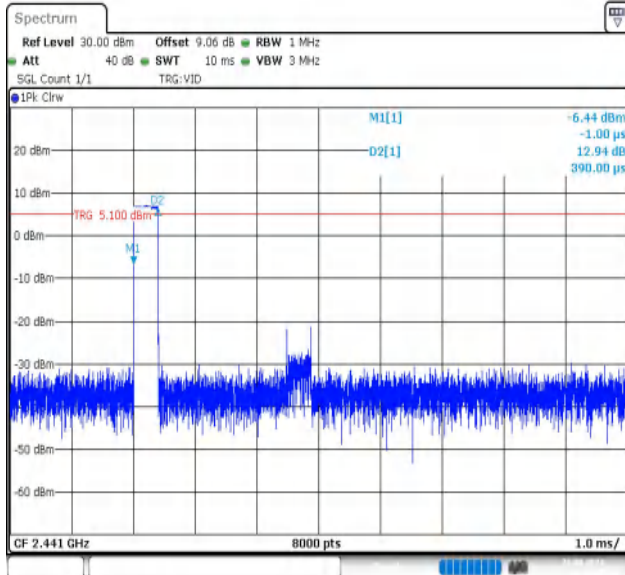
Appendix E: Time of occupancy

Test Result

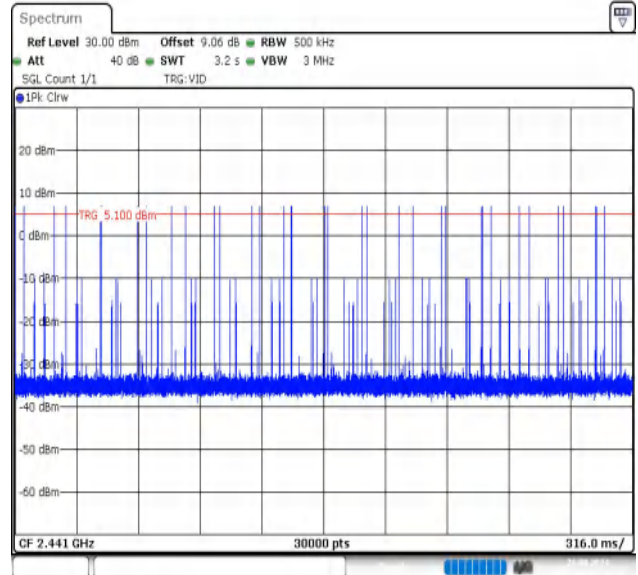
Test Mode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.390	320	0.125	≤0.4	PASS
DH3	Ant1	Hop	1.639	190	0.311	≤0.4	PASS
DH5	Ant1	Hop	2.878	130	0.374	≤0.4	PASS
2DH1	Ant1	Hop	0.399	320	0.128	≤0.4	PASS
2DH3	Ant1	Hop	1.645	200	0.329	≤0.4	PASS
2DH5	Ant1	Hop	2.884	130	0.375	≤0.4	PASS
3DH1	Ant1	Hop	0.400	330	0.132	≤0.4	PASS
3DH3	Ant1	Hop	1.644	220	0.362	≤0.4	PASS
3DH5	Ant1	Hop	2.887	130	0.375	≤0.4	PASS



Test Graphs



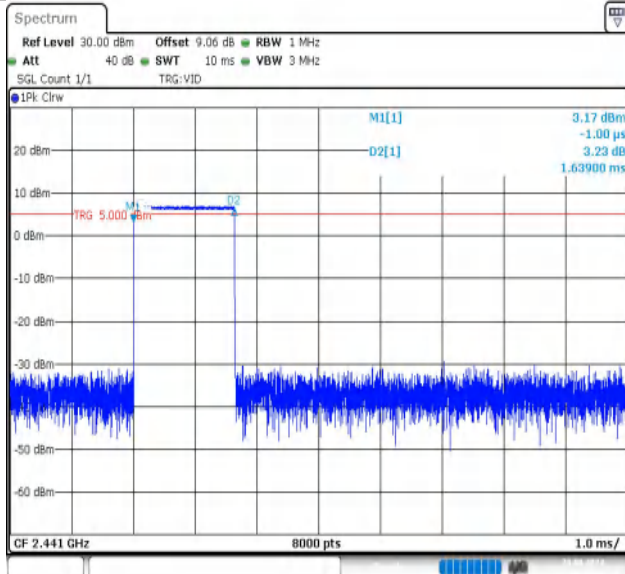
Date: 28.AUG.2024 16:16:17



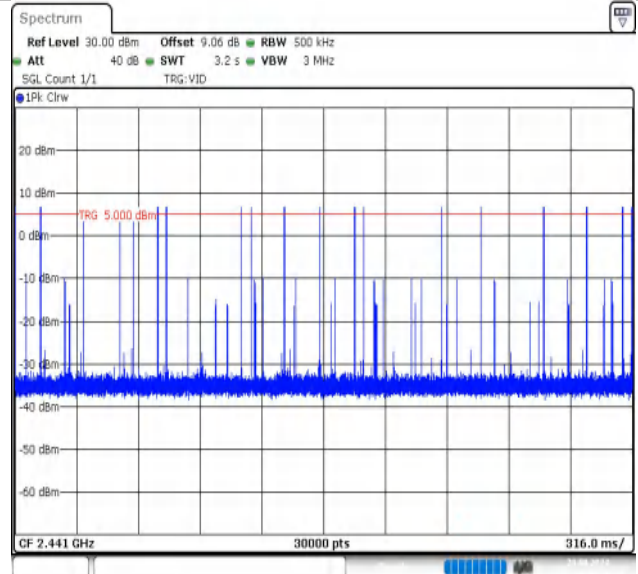
Date: 28.AUG.2024 16:16:23

DH1-Ant1-Hop-PASS

DH1-Ant1-Hop-PASS



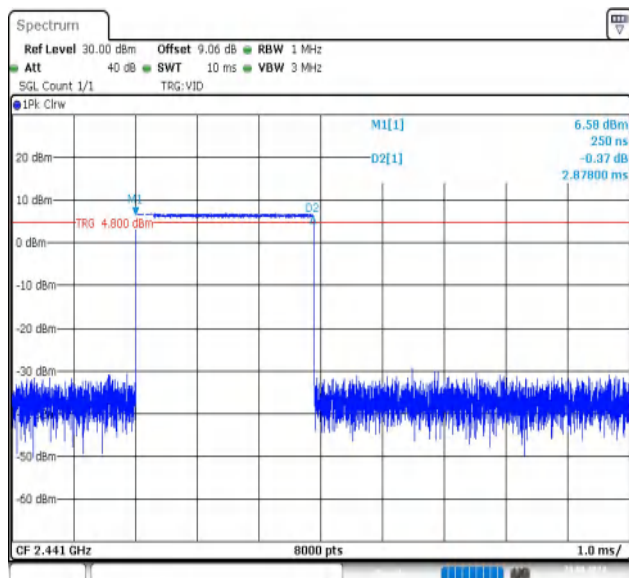
Date: 28.AUG.2024 16:16:54



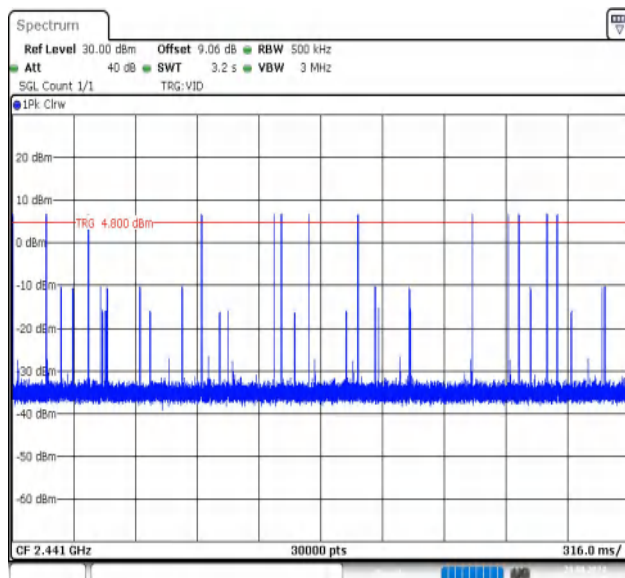
Date: 28.AUG.2024 16:16:59

DH3-Ant1-Hop-PASS

DH3-Ant1-Hop-PASS



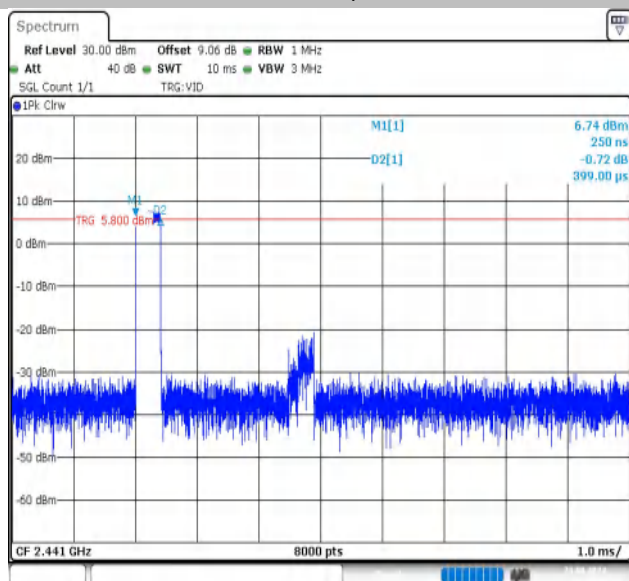
Date: 28.AUG.2024 16:15:42



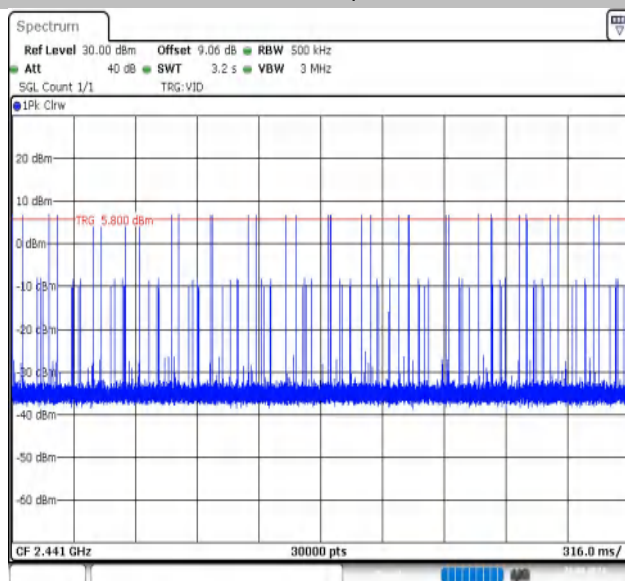
Date: 28.AUG.2024 16:15:48

DH5-Ant1-Hop-PASS

DH5-Ant1-Hop-PASS



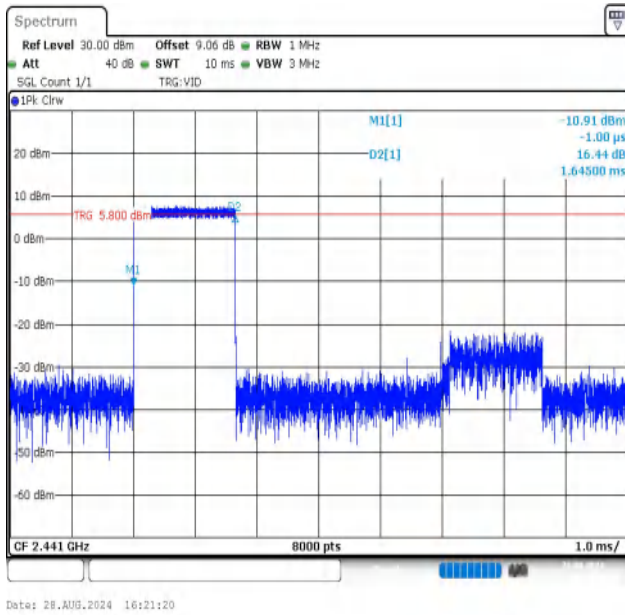
Date: 28.AUG.2024 16:20:51



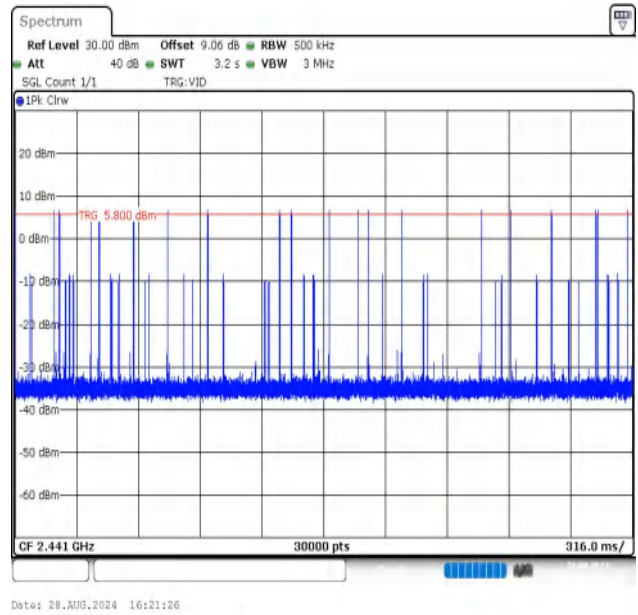
Date: 28.AUG.2024 16:20:56

2DH1-Ant1-Hop-PASS

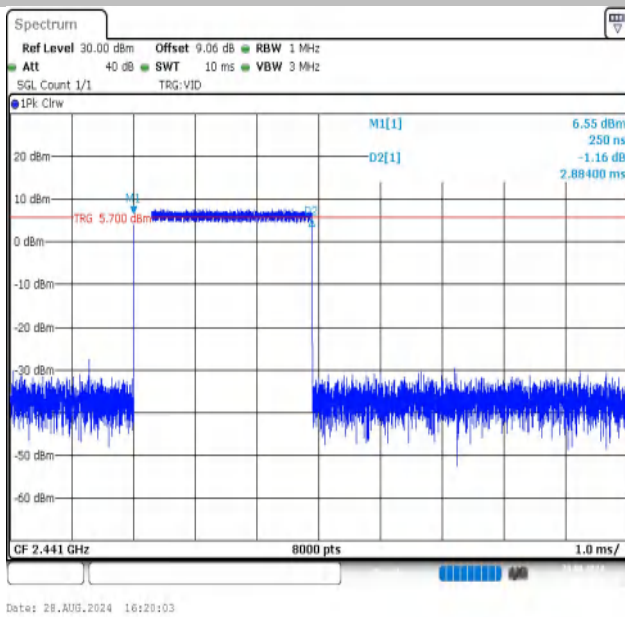
2DH1-Ant1-Hop-PASS



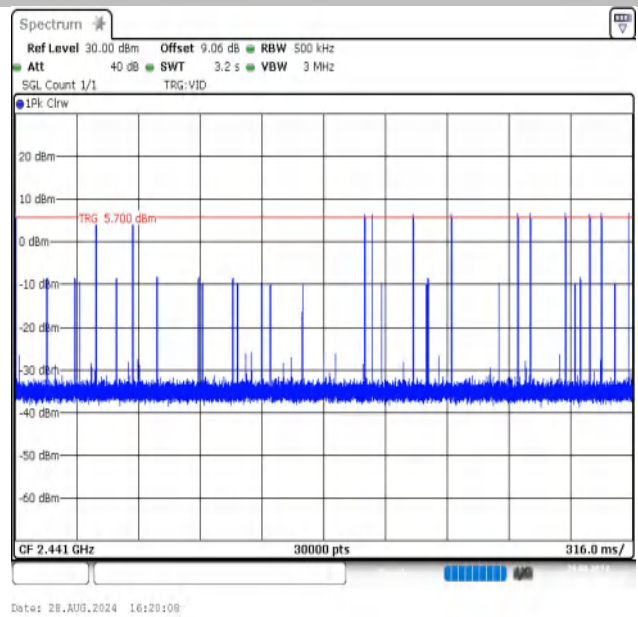
2DH3-Ant1-Hop-PASS



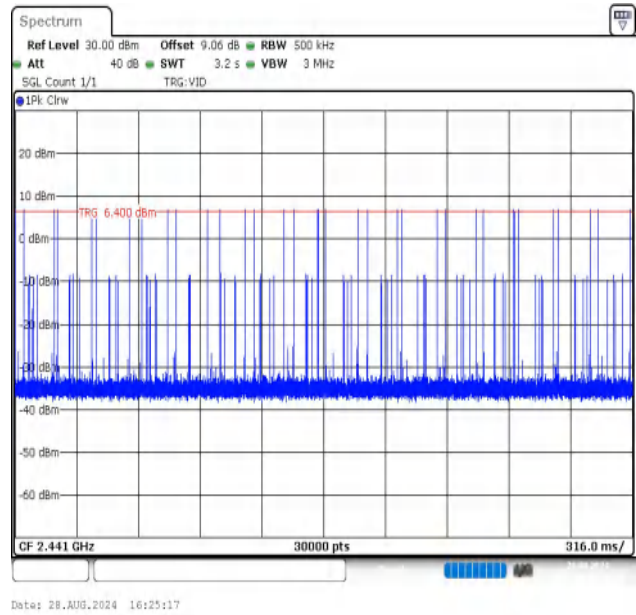
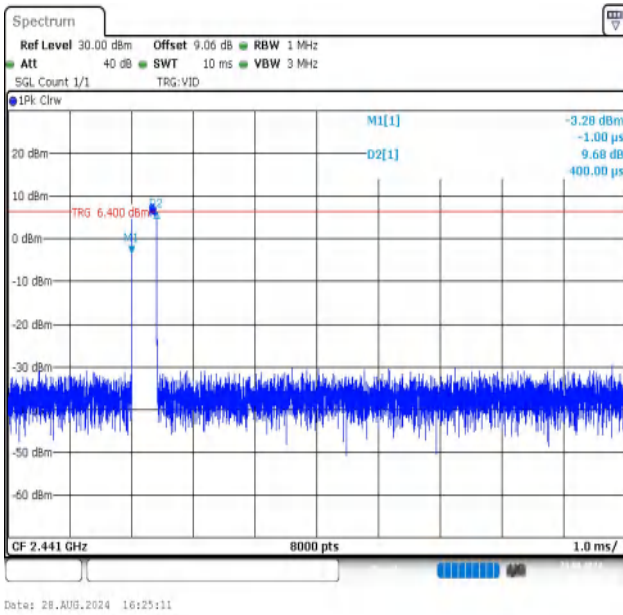
2DH3-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS

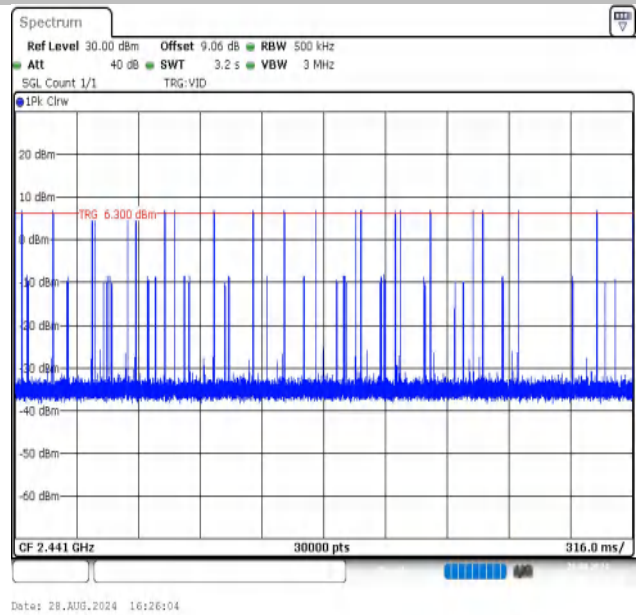
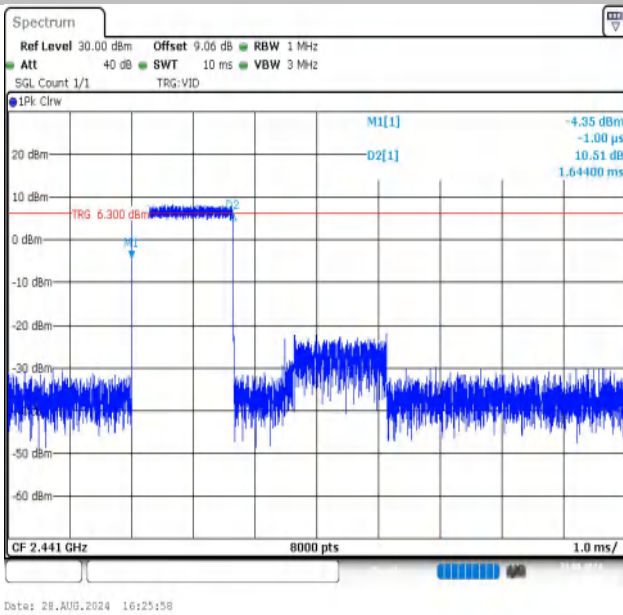


2DH5-Ant1-Hop-PASS



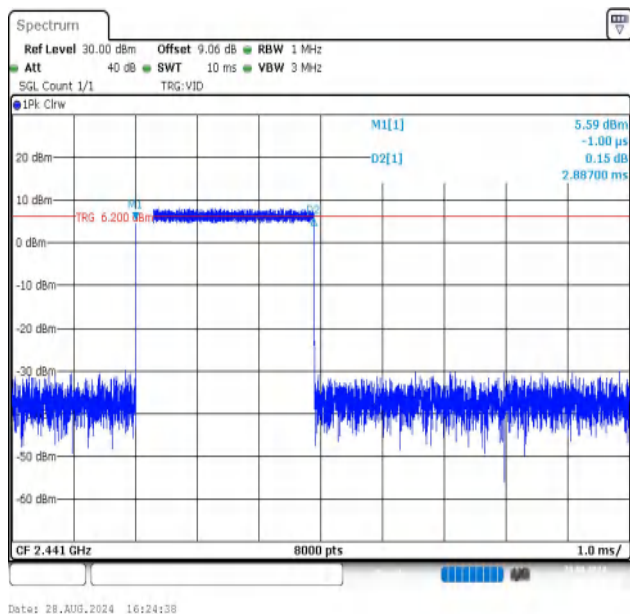
3DH1-Ant1-Hop-PASS

3DH1-Ant1-Hop-PASS

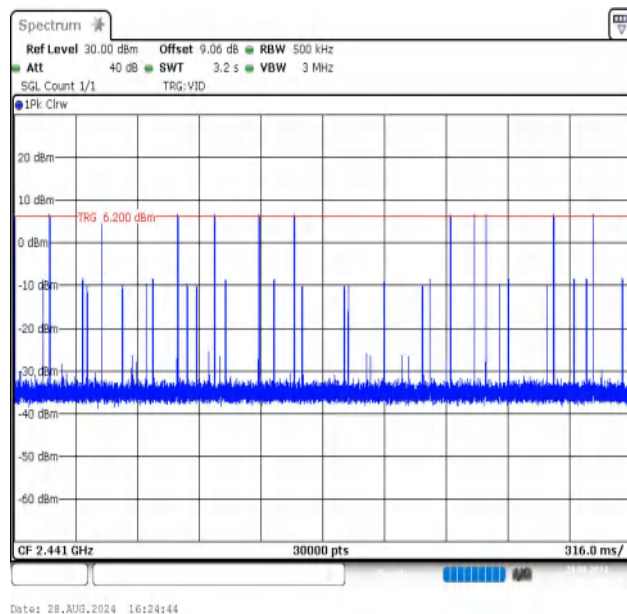


3DH3-Ant1-Hop-PASS

3DH3-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS



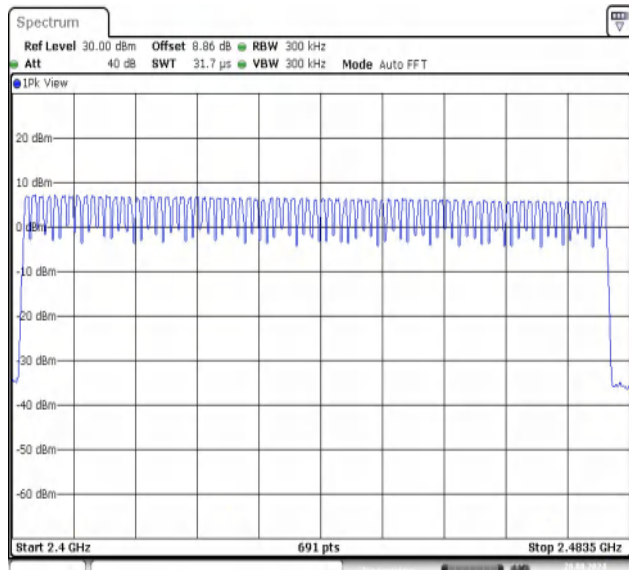
Appendix F: Number of hopping channels

Test Result

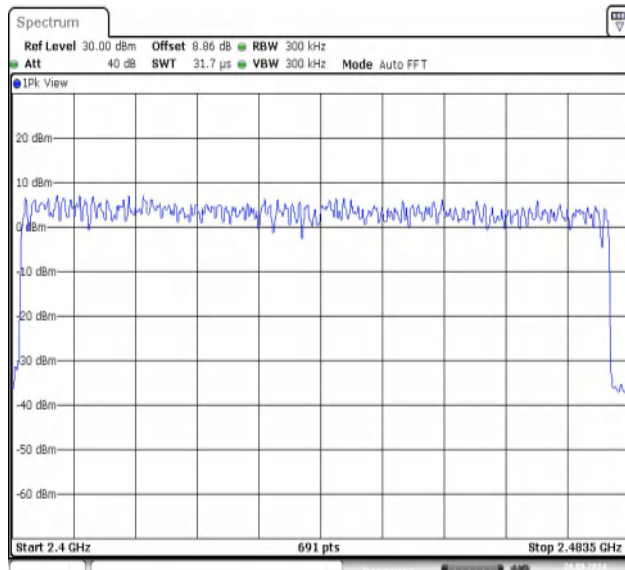
Test Mode	Antenna	Freq(MHz)	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS



Test Graphs



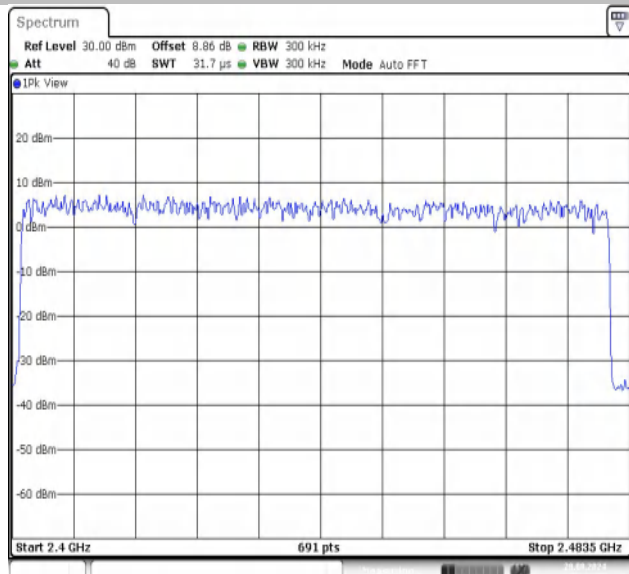
Date: 28.AUG.2024 16:15:27



Date: 28.AUG.2024 16:19:48

DH5-Ant1-Hop-PASS

2DH5-Ant1-Hop-PASS



Date: 28.AUG.2024 16:24:23

3DH5-Ant1-Hop-PASS



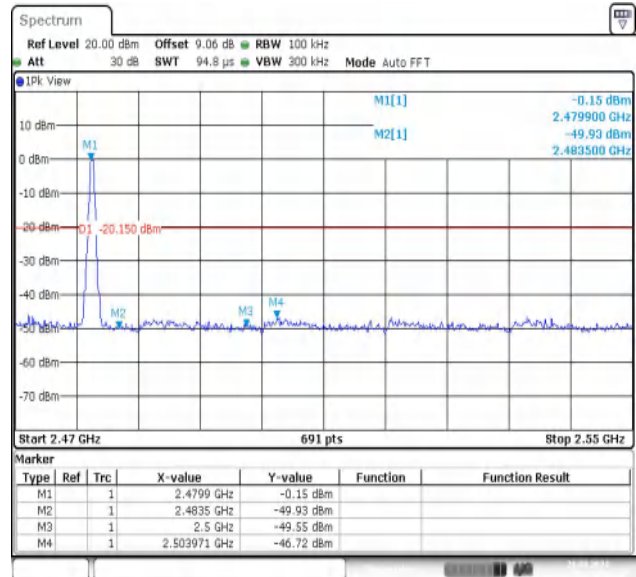
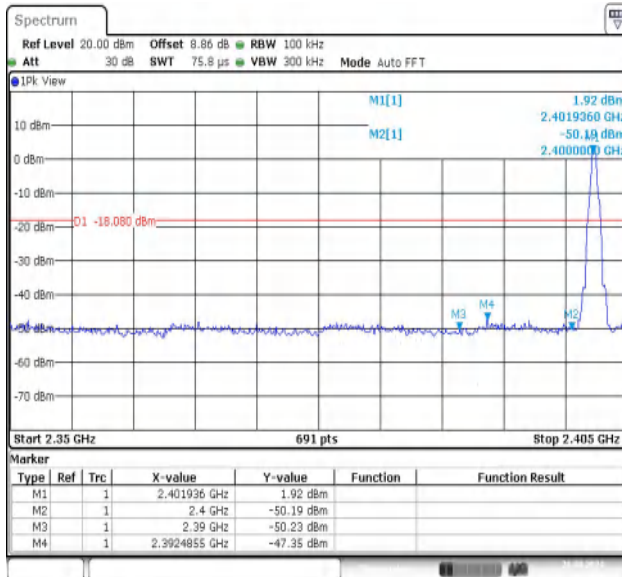
Appendix G: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Freq(MHz)	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	1.92	-47.35	≤ -18.08	PASS
DH5	Ant1	High	2480	-0.15	-46.72	≤ -20.15	PASS
DH5	Ant1	Low	Hop_2402	6.53	-44.72	≤ -13.47	PASS
DH5	Ant1	High	Hop_2480	5.60	-46.58	≤ -14.4	PASS
2DH5	Ant1	Low	2402	-1.26	-47.83	≤ -21.26	PASS
2DH5	Ant1	High	2480	-2.56	-45.74	≤ -22.56	PASS
2DH5	Ant1	Low	Hop_2402	7.43	-45.33	≤ -12.57	PASS
2DH5	Ant1	High	Hop_2480	4.93	-46.79	≤ -15.07	PASS
3DH5	Ant1	Low	2402	-1.03	-47.23	≤ -21.03	PASS
3DH5	Ant1	High	2480	-2.28	-46.75	≤ -22.28	PASS
3DH5	Ant1	Low	Hop_2402	4.43	-46.65	≤ -15.57	PASS
3DH5	Ant1	High	Hop_2480	6.68	-46.32	≤ -13.32	PASS

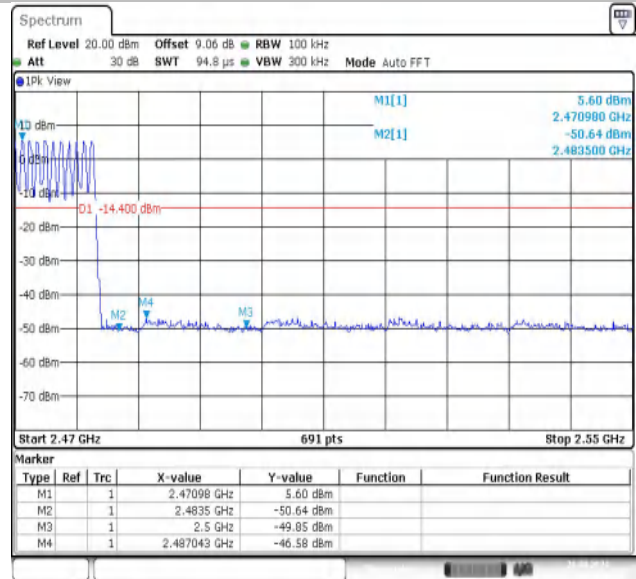
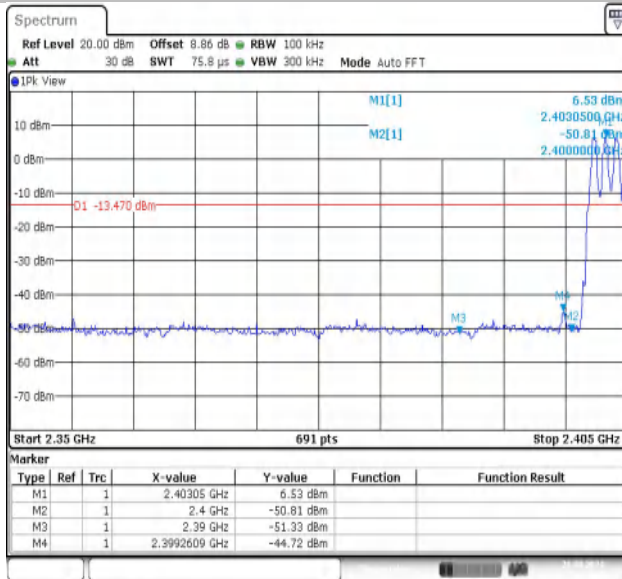


Test Graphs



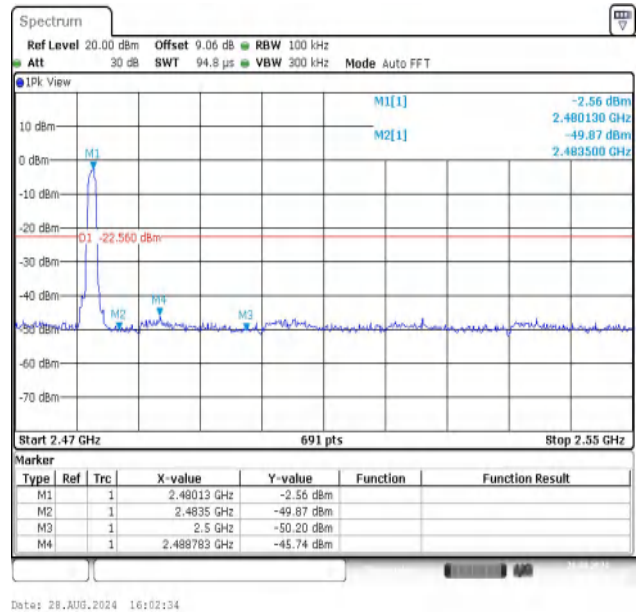
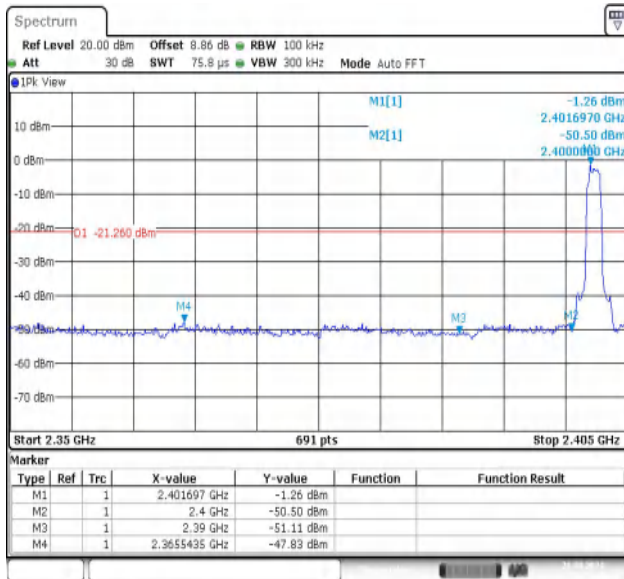
DH5-Ant1-2402-PASS

DH5-Ant1-2480-PASS

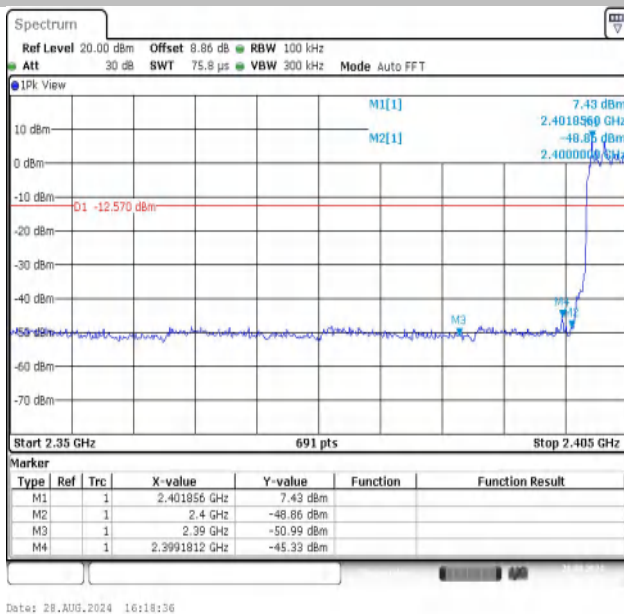


DH5-Ant1-Hop_2402-PASS

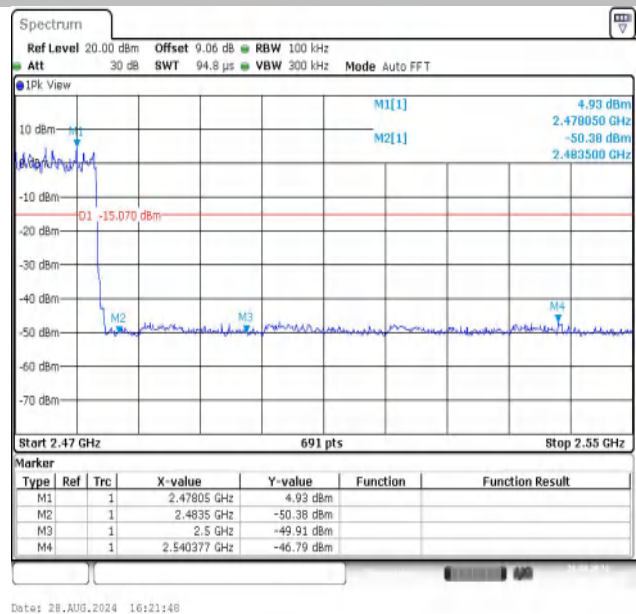
DH5-Ant1-Hop_2480-PASS



2DH5-Ant1-2402-PASS

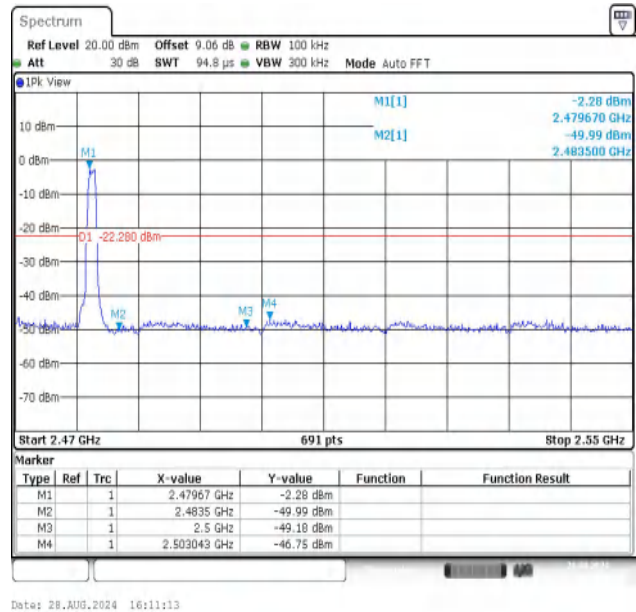
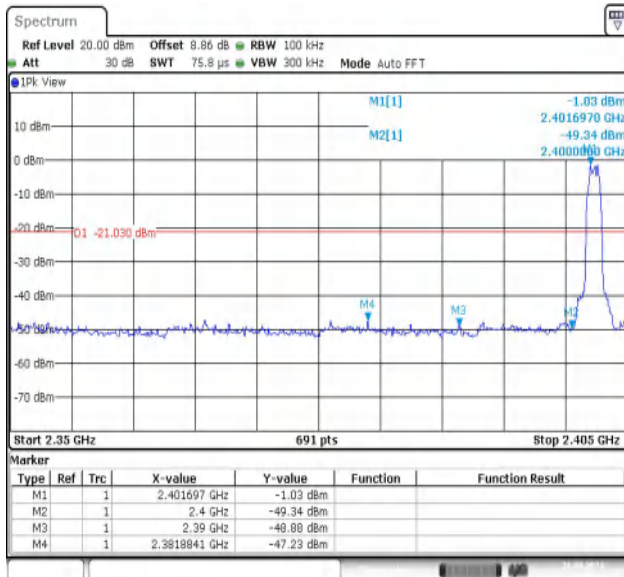


2DH5-Ant1-2480-PASS

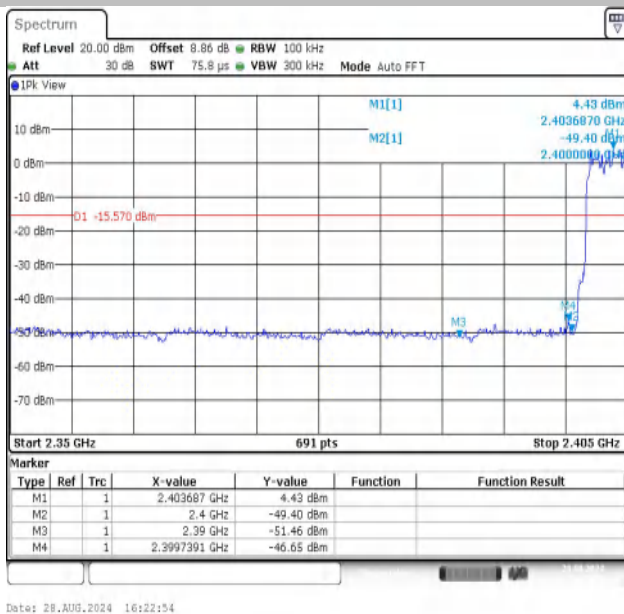


2DH5-Ant1-Hop_2402-PASS

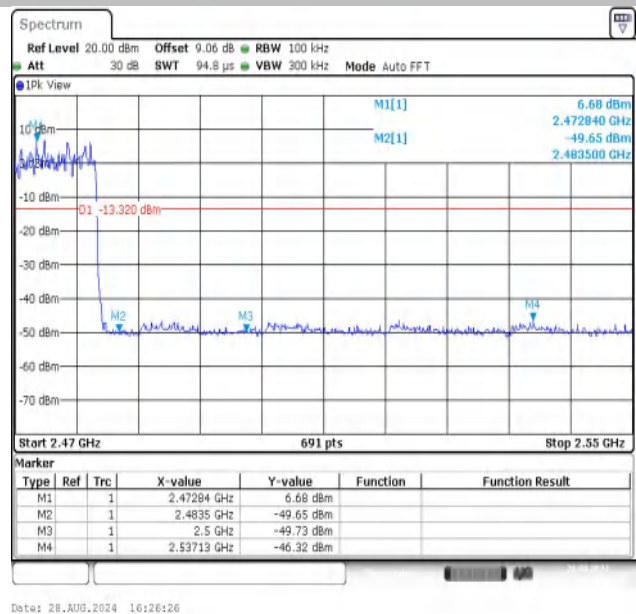
2DH5-Ant1-Hop_2480-PASS



3DH5-Ant1-2402-PASS



3DH5-Ant1-2480-PASS



3DH5-Ant1-Hop_2402-PASS

3DH5-Ant1-Hop_2480-PASS



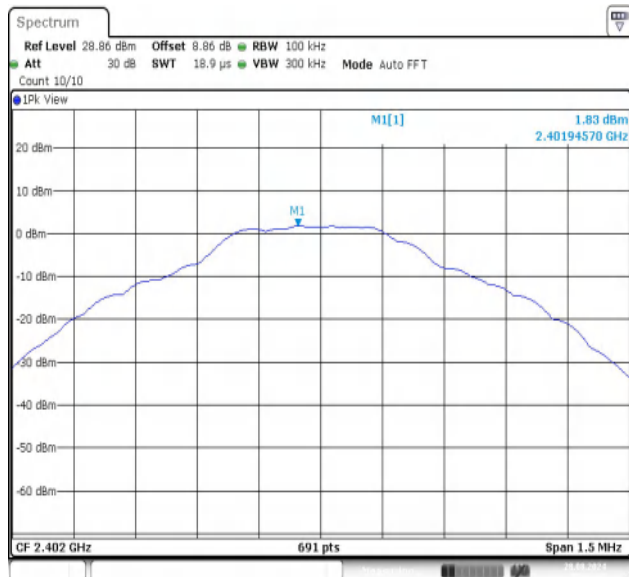
Appendix H: Conducted Spurious Emission

Test Result

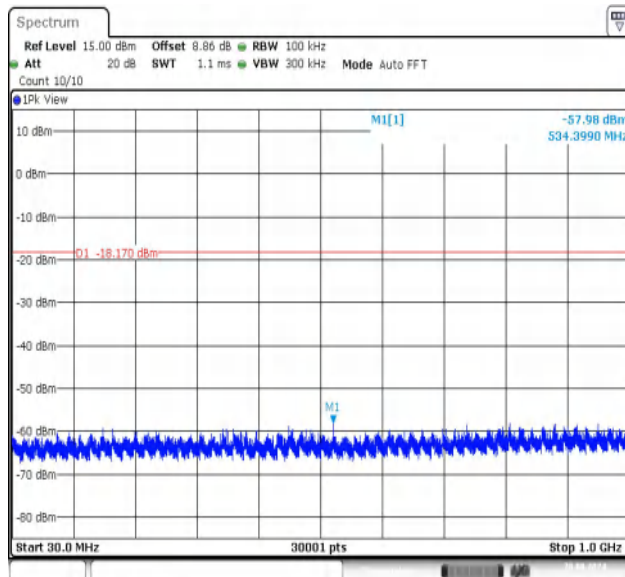
Test Mode	Antenna	Freq(MHz)	Freq Range [MHz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	1.83	1.83	---	PASS
DH5	Ant1	2402	30~1000	1.83	-57.98	≤-18.17	PASS
DH5	Ant1	2402	1000~26500	1.83	-46.38	≤-18.17	PASS
DH5	Ant1	2441	0~Reference	0.64	0.64	---	PASS
DH5	Ant1	2441	30~1000	0.64	-57.86	≤-19.36	PASS
DH5	Ant1	2441	1000~26500	0.64	-46.54	≤-19.36	PASS
DH5	Ant1	2480	0~Reference	-0.16	-0.16	---	PASS
DH5	Ant1	2480	30~1000	-0.16	-57.56	≤-20.16	PASS
DH5	Ant1	2480	1000~26500	-0.16	-46.82	≤-20.16	PASS
2DH5	Ant1	2402	0~Reference	-1.19	-1.19	---	PASS
2DH5	Ant1	2402	30~1000	-1.19	-57.92	≤-21.19	PASS
2DH5	Ant1	2402	1000~26500	-1.19	-47.15	≤-21.19	PASS
2DH5	Ant1	2441	0~Reference	-1.82	-1.82	---	PASS
2DH5	Ant1	2441	30~1000	-1.82	-58.01	≤-21.82	PASS
2DH5	Ant1	2441	1000~26500	-1.82	-46.89	≤-21.82	PASS
2DH5	Ant1	2480	0~Reference	-2.61	-2.61	---	PASS
2DH5	Ant1	2480	30~1000	-2.61	-56.29	≤-22.61	PASS
2DH5	Ant1	2480	1000~26500	-2.61	-47.09	≤-22.61	PASS
3DH5	Ant1	2402	0~Reference	-0.95	-0.95	---	PASS
3DH5	Ant1	2402	30~1000	-0.95	-57.85	≤-20.95	PASS
3DH5	Ant1	2402	1000~26500	-0.95	-46.98	≤-20.95	PASS
3DH5	Ant1	2441	0~Reference	-1.55	-1.55	---	PASS
3DH5	Ant1	2441	30~1000	-1.55	-57.61	≤-21.55	PASS
3DH5	Ant1	2441	1000~26500	-1.55	-46.79	≤-21.55	PASS
3DH5	Ant1	2480	0~Reference	-2.28	-2.28	---	PASS
3DH5	Ant1	2480	30~1000	-2.28	-57.28	≤-22.28	PASS
3DH5	Ant1	2480	1000~26500	-2.28	-46.39	≤-22.28	PASS



Test Graphs



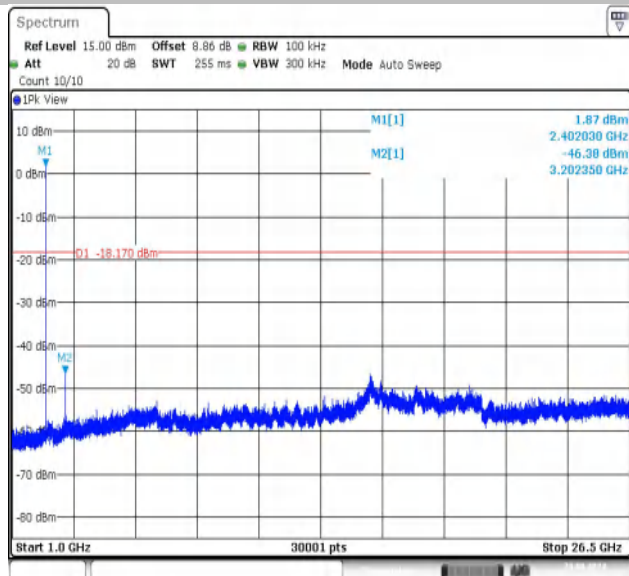
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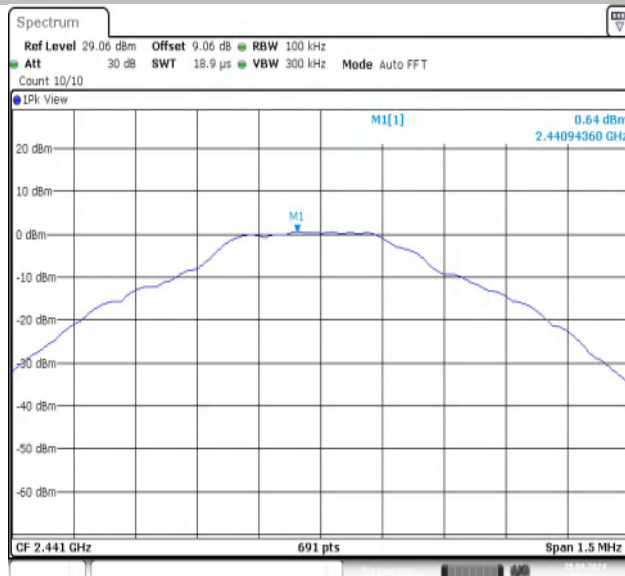
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DH5-Ant1-2402-0~Reference-PASS

DH5-Ant1-2402-30~1000-PASS



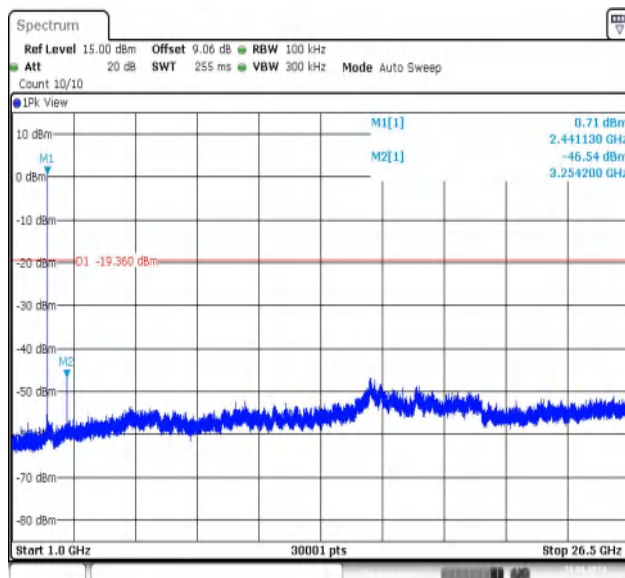
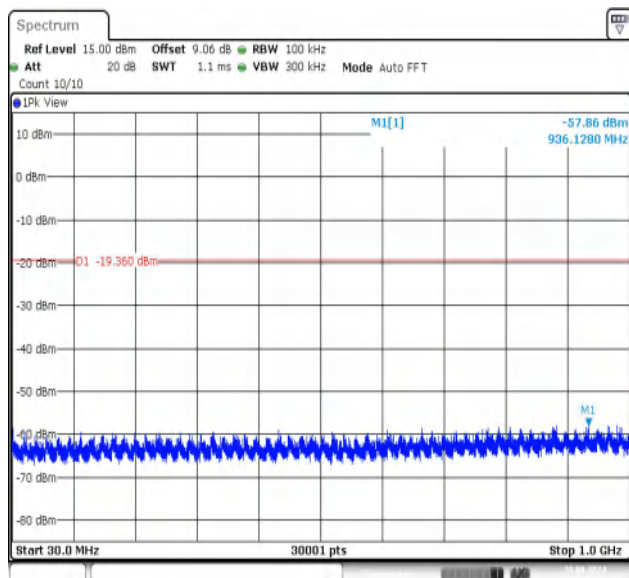
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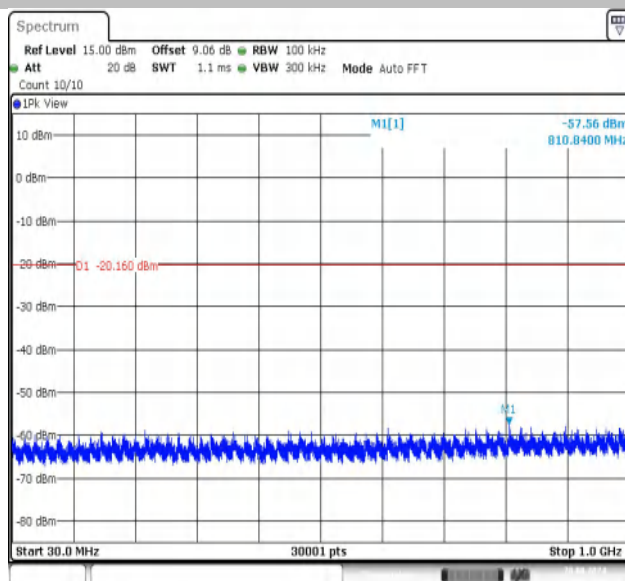
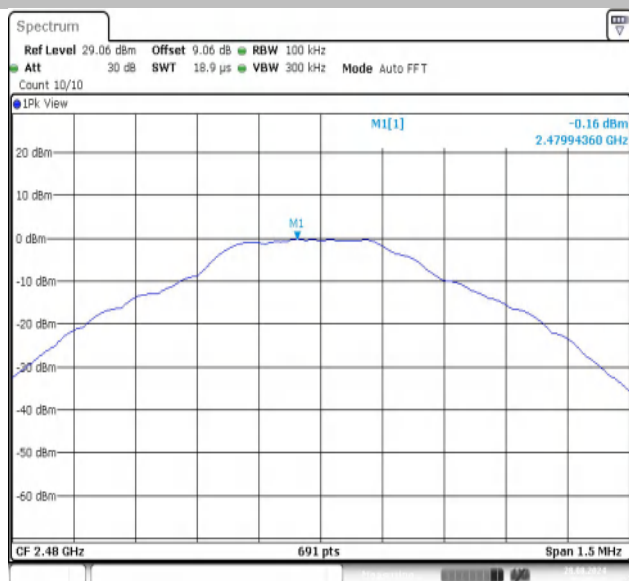
DH5-Ant1-2402-1000~26500-PASS

DH5-Ant1-2441-0~Reference-PASS



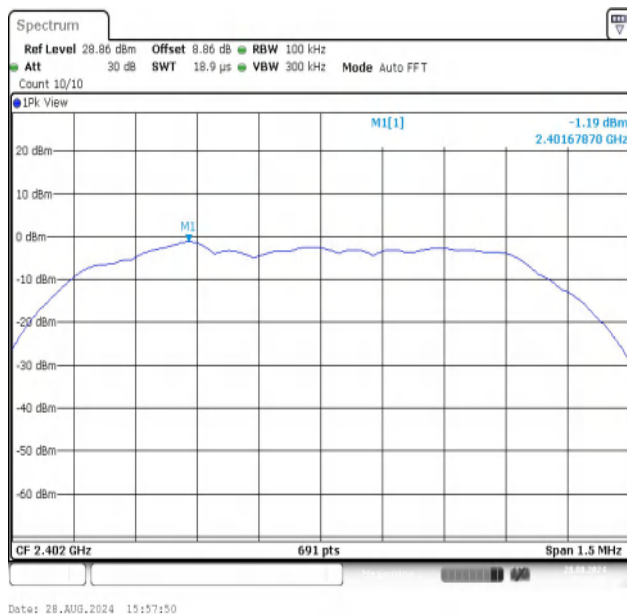
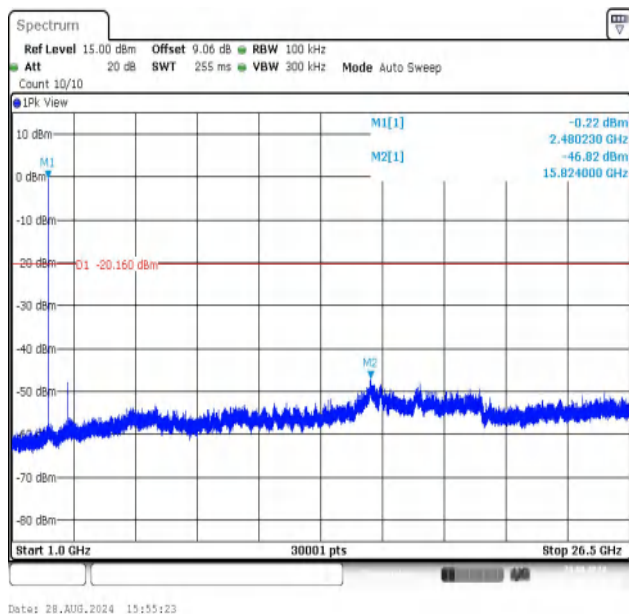
DH5-Ant1-2441-30~1000-PASS

DH5-Ant1-2441-1000~26500-PASS



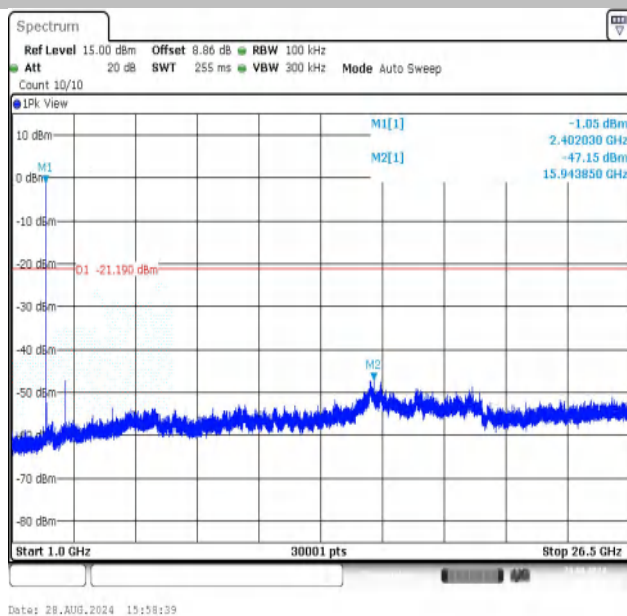
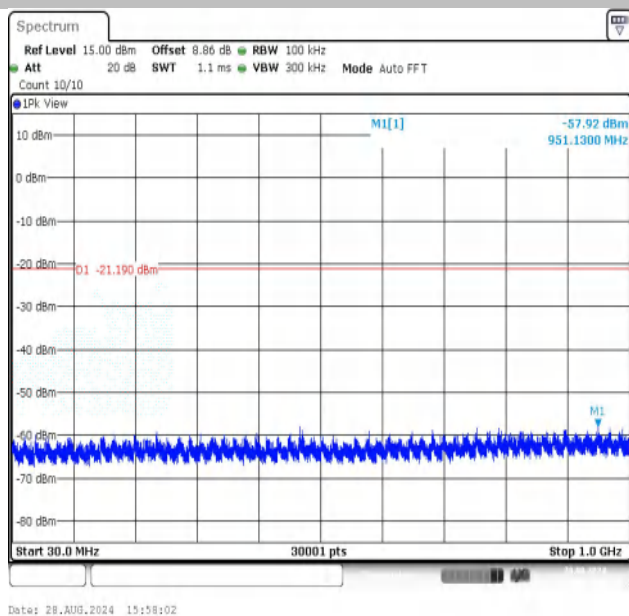
DH5-Ant1-2480-0~Reference-PASS

DH5-Ant1-2480-30~1000-PASS



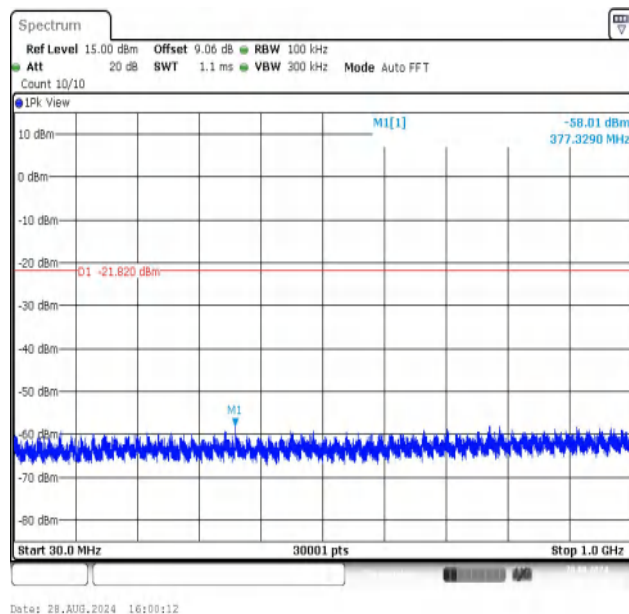
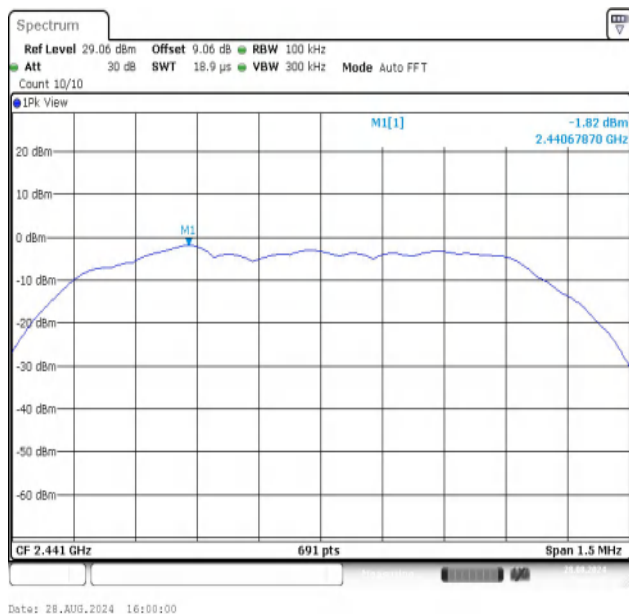
DH5-Ant1-2480-1000~26500-PASS

2DH5-Ant1-2402-0~Reference-PASS



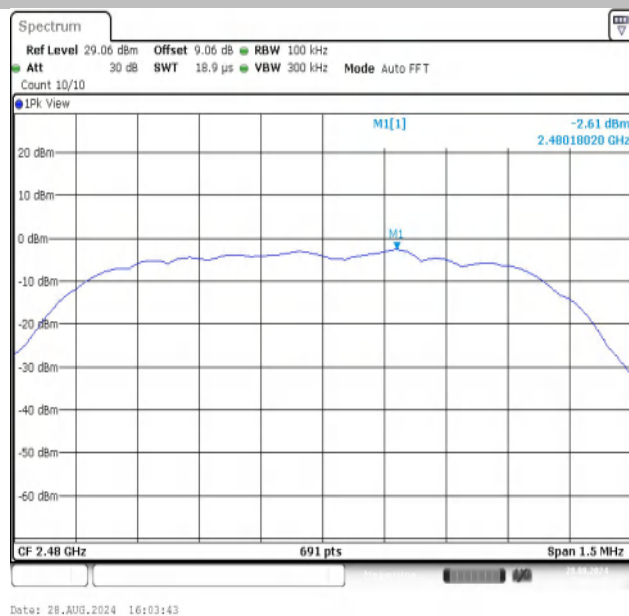
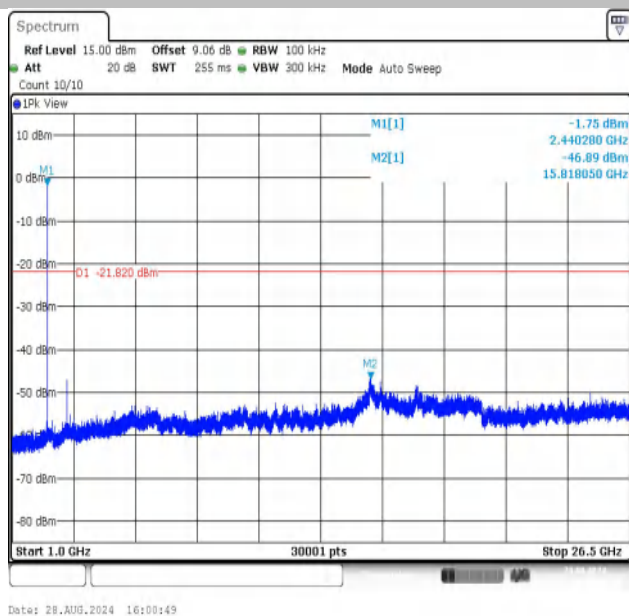
2DH5-Ant1-2402-30~1000-PASS

2DH5-Ant1-2402-1000~26500-PASS



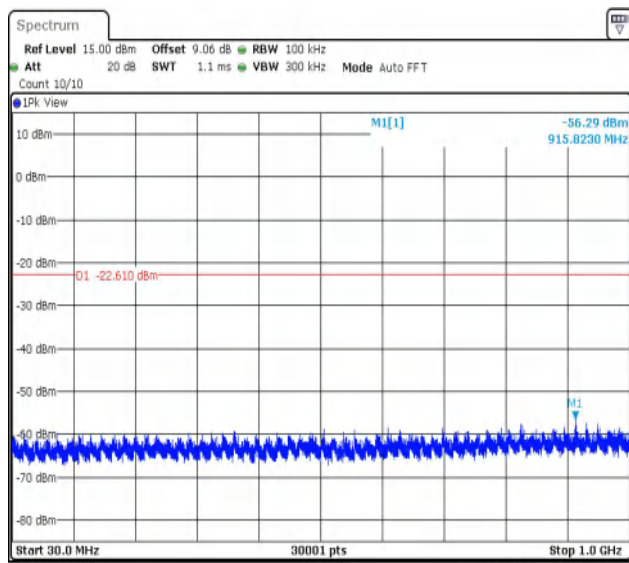
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2DH5-Ant1-2441-30~1000-PASS

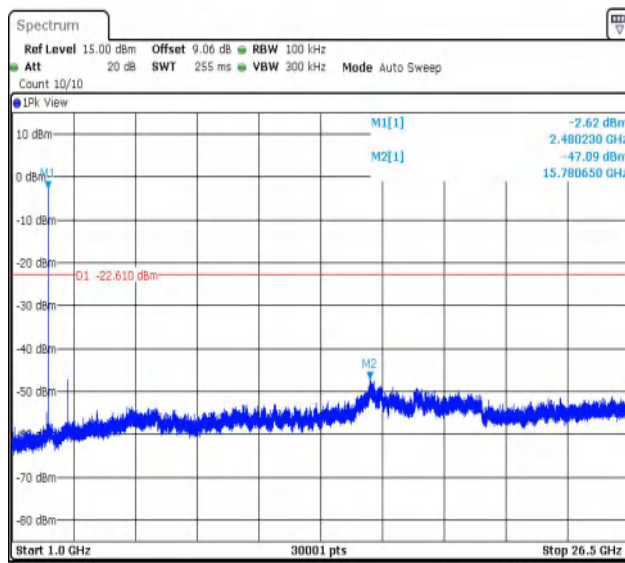


2DH5-Ant1-2441-1000~26500-PASS

2DH5-Ant1-2480-0~Reference-PASS

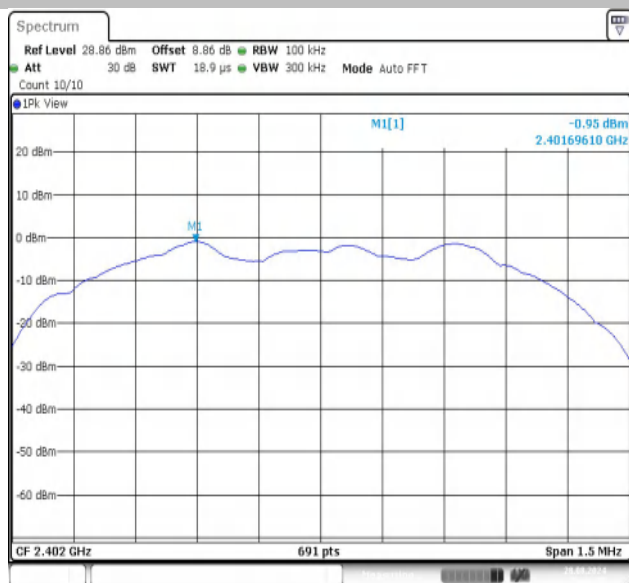


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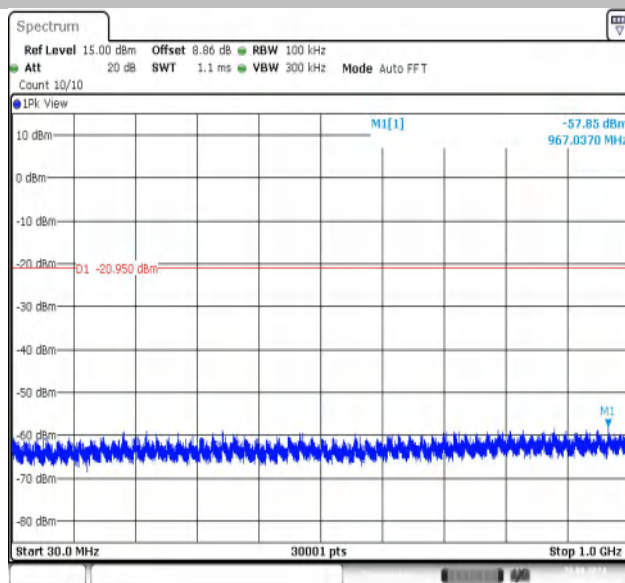
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2DH5-Ant1-2480-30~1000-PASS



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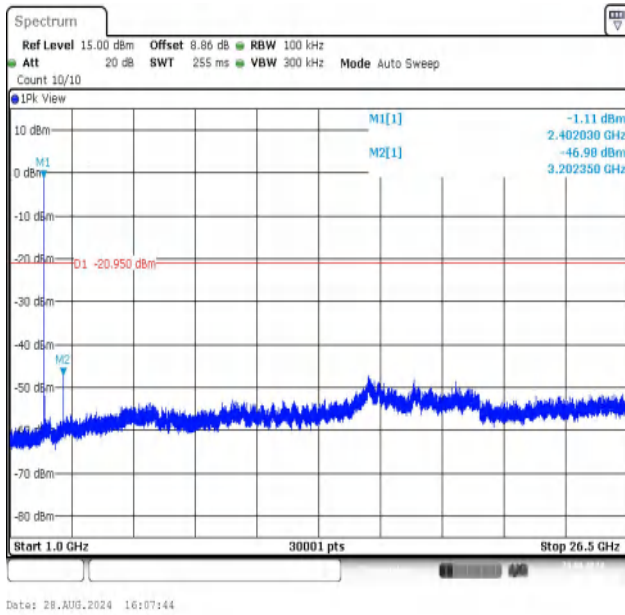
2DH5-Ant1-2480-1000~26500-PASS



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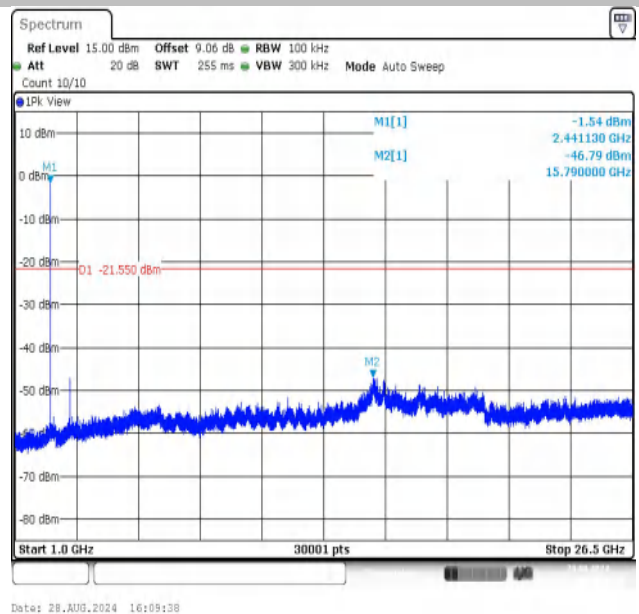
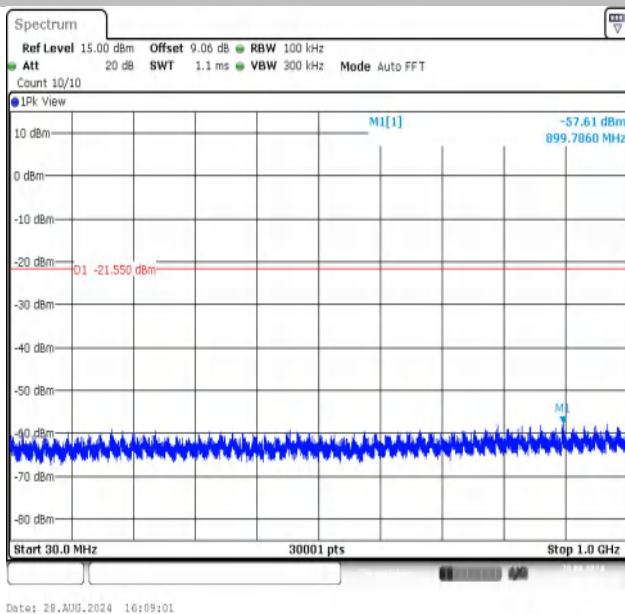
3DH5-Ant1-2402-0~Reference-PASS

3DH5-Ant1-2402-30~1000-PASS



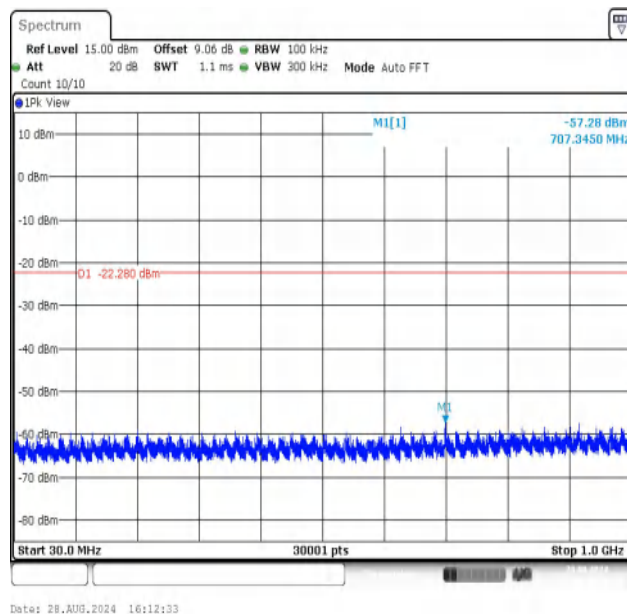
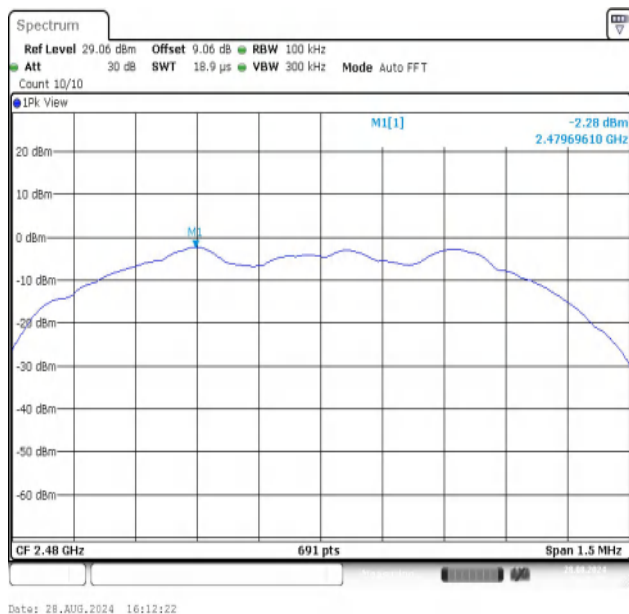
3DH5-Ant1-2402-1000~26500-PASS

3DH5-Ant1-2441-0~Reference-PASS



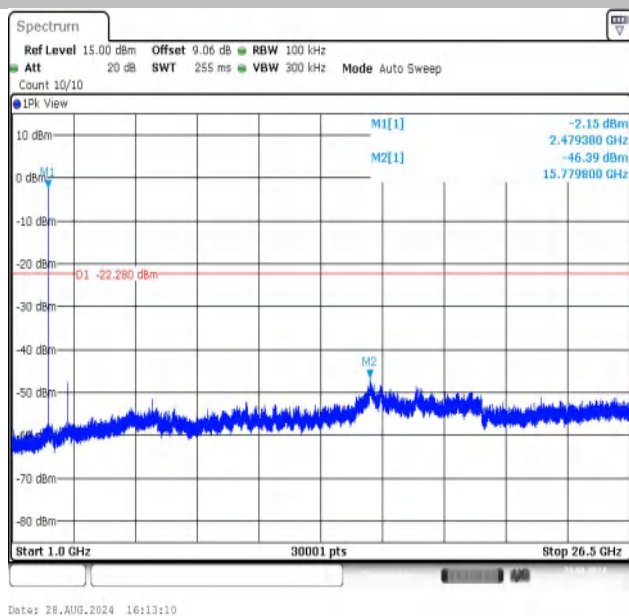
3DH5-Ant1-2441-30~1000-PASS

3DH5-Ant1-2441-1000~26500-PASS



3DH5-Ant1-2480-0~Reference-PASS

3DH5-Ant1-2480-30~1000-PASS



3DH5-Ant1-2480-1000~26500-PASS



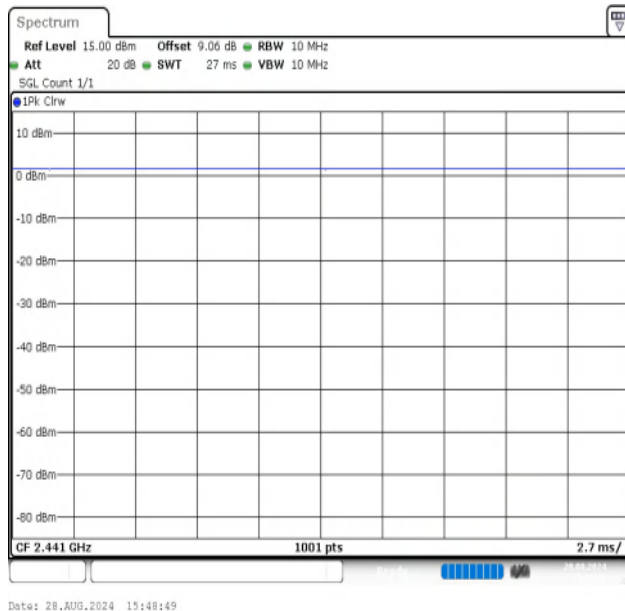
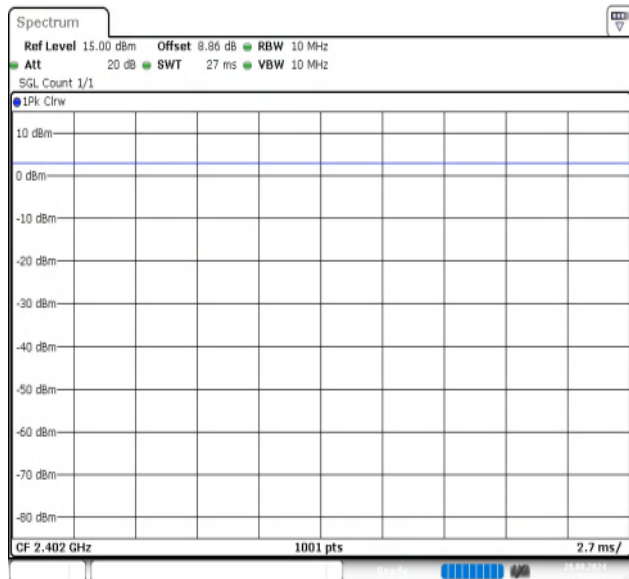
Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	DC Factor (dB)
DH5	Ant1	2402	0.00	0.00	100	NaN
DH5	Ant1	2441	0.00	0.00	100	NaN
DH5	Ant1	2480	0.00	0.00	100	NaN
2DH5	Ant1	2402	27.00	27.00	100.00	0.00
2DH5	Ant1	2441	27.00	27.00	100.00	0.00
2DH5	Ant1	2480	27.00	27.00	100.00	0.00
3DH5	Ant1	2402	27.00	27.00	100.00	0.00
3DH5	Ant1	2441	27.00	27.00	100.00	0.00
3DH5	Ant1	2480	27.00	27.00	100.00	0.00

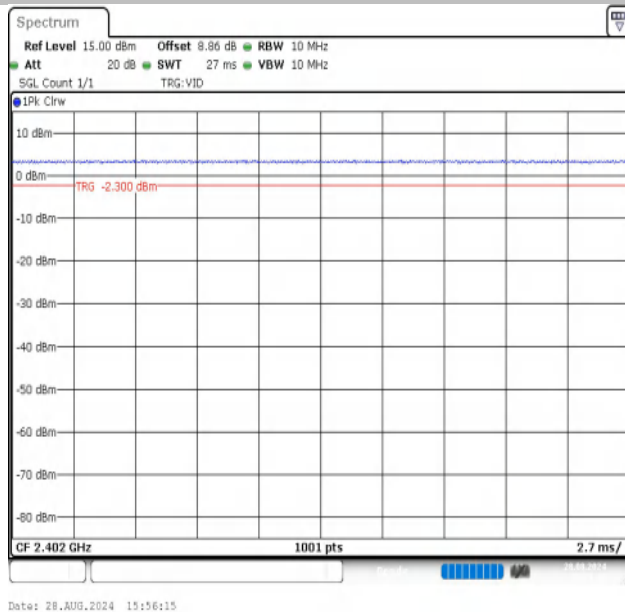
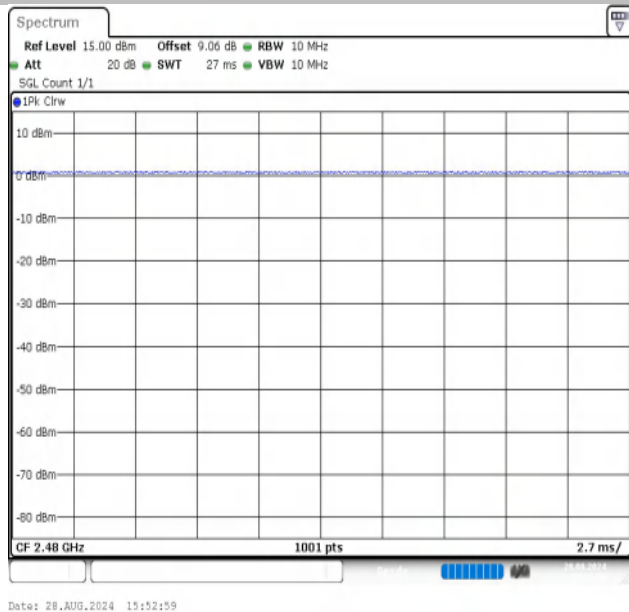


Test Graphs



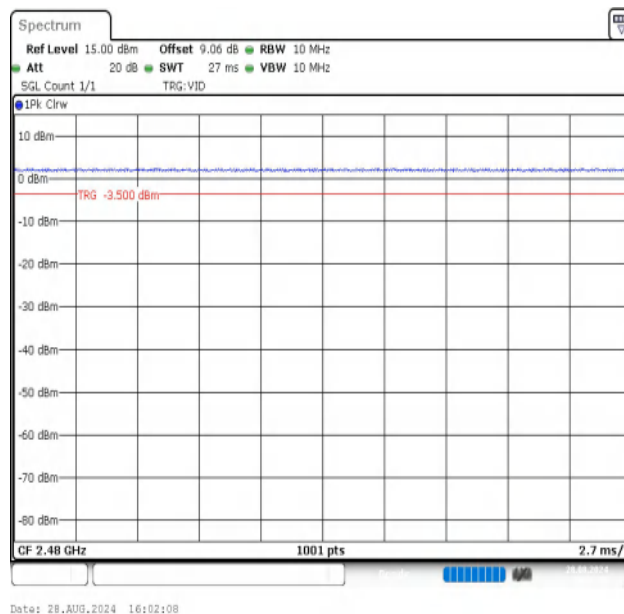
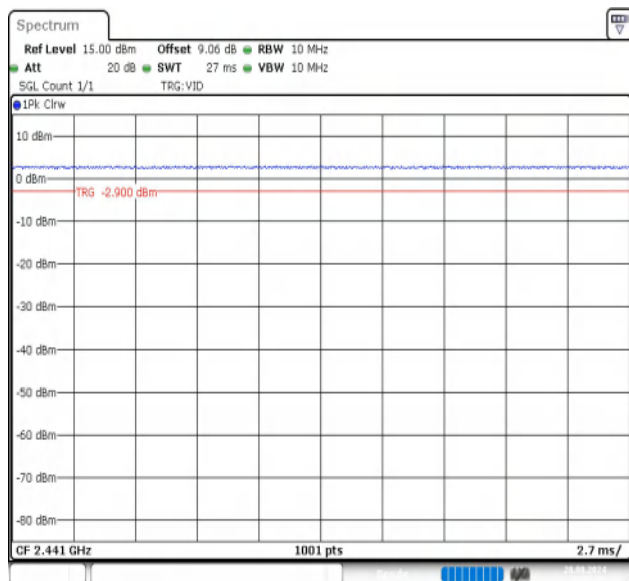
NTNV-DH5-Ant1-2402

NTNV-DH5-Ant1-2441



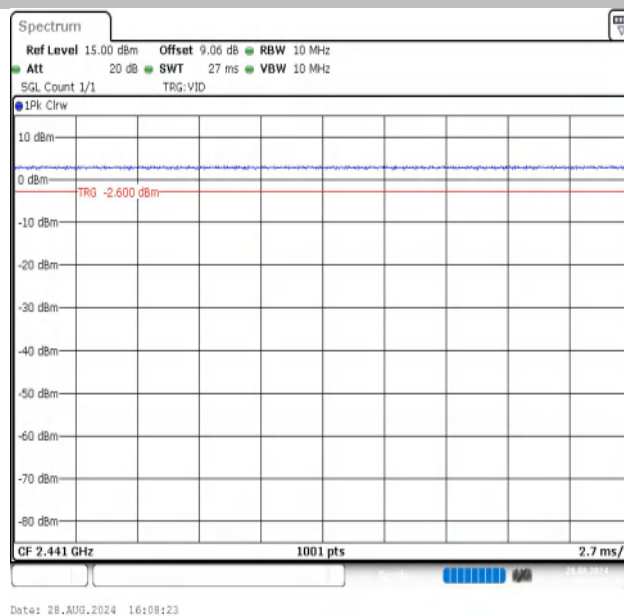
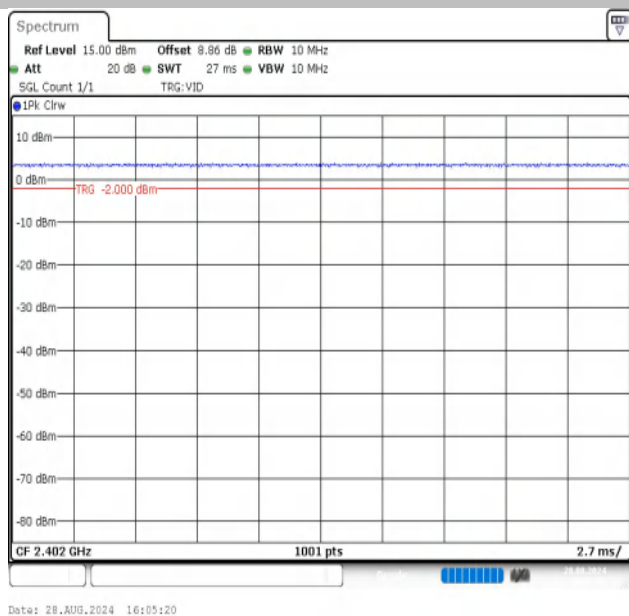
NTNV-DH5-Ant1-2480

NTNV-2DH5-Ant1-2402



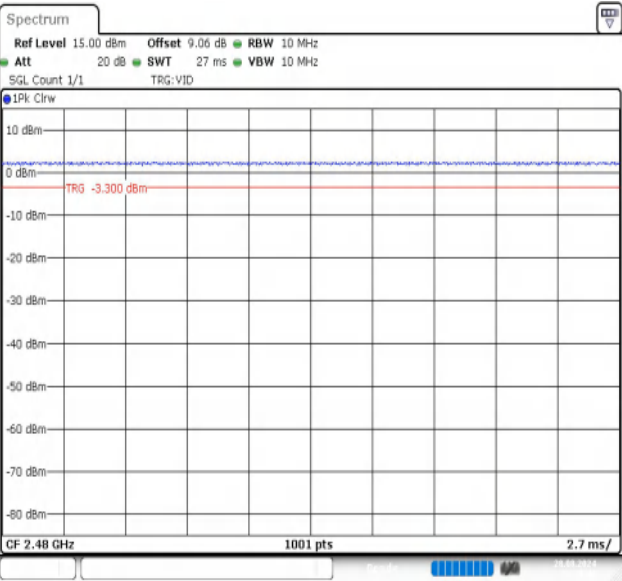
NTNV-2DH5-Ant1-2441

NTNV-2DH5-Ant1-2480



NTNV-3DH5-Ant1-2402

NTNV-3DH5-Ant1-2441



Date: 28.AUG.2024 16:10:46

NTNV-3DH5-Ant1-2480

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