

APPENDIX REPORT

Project No.	SHT2507079403W	Radio Specification	Bluetooth EDR
Test sample No.	YPHT25070794005	Model No.	ABX00063
Start test date	2025-11-13	Finish date	2026-01-16
Temperature	23.5℃	Humidity	51%
Test Engineer	Xiangyu Wei	Auditor	Xiaodong Zhao

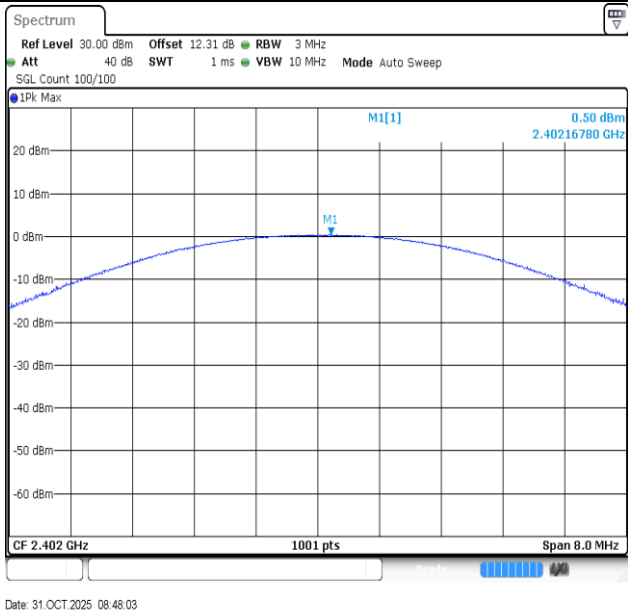
Appendix clause	Test item	Result
A	Peak Output Power	PASS
B	20dB Bandwidth	PASS
C	99% Occupied Bandwidth	PASS
D	Carrier Frequency Separation	PASS
E	Hopping Channel Number	PASS
F	Dwell Time	PASS
G	Duty Cycle Correction Factor (DCCF)	PASS
H	Band edge and Spurious Emission(Conducted)	PASS

Appendix A: Peak Output Power

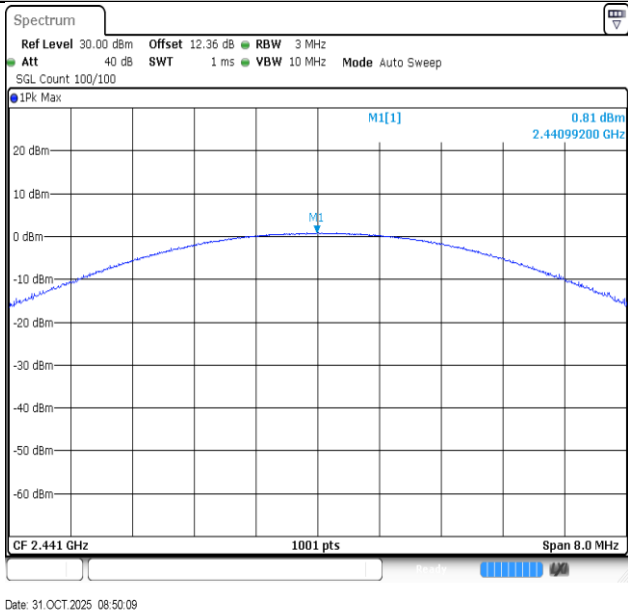
Test Result Peak

Test Mode	Frequency[MHz]	Peak Output Power[dBm]	Limit[dBm]	Verdict
DH5	2402	0.50	≤30	PASS
DH5	2441	0.81	≤30	PASS
DH5	2480	0.86	≤30	PASS
2DH5	2402	0.32	≤20.97	PASS
2DH5	2441	0.79	≤20.97	PASS
2DH5	2480	0.73	≤20.97	PASS
3DH5	2402	0.27	≤20.97	PASS
3DH5	2441	0.70	≤20.97	PASS
3DH5	2480	0.78	≤20.97	PASS

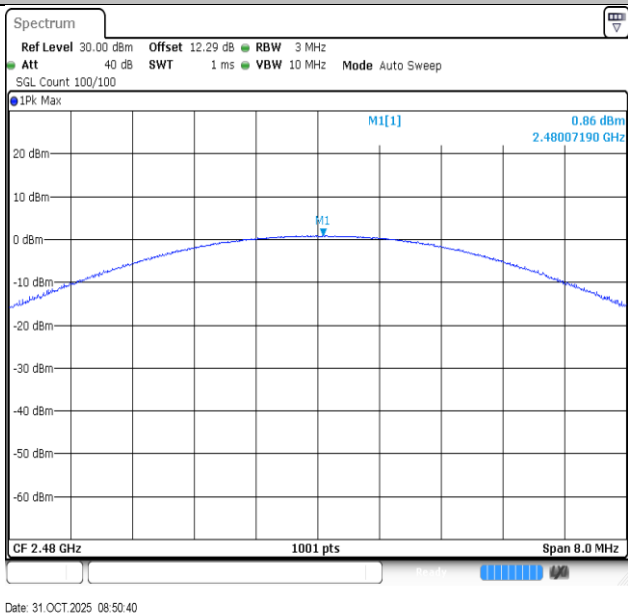
Test Graphs



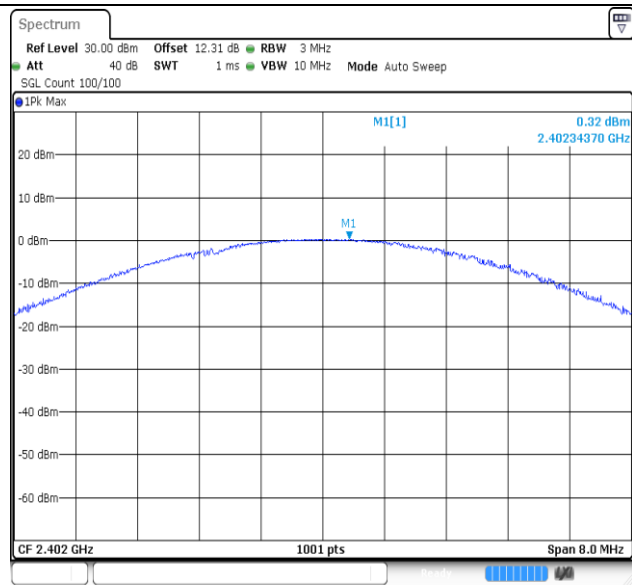
DH5-2402-PASS



DH5-2441-PASS

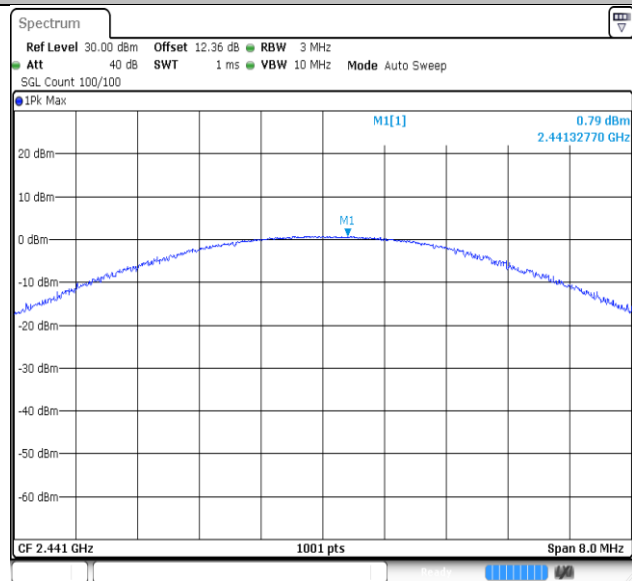


DH5-2480-PASS



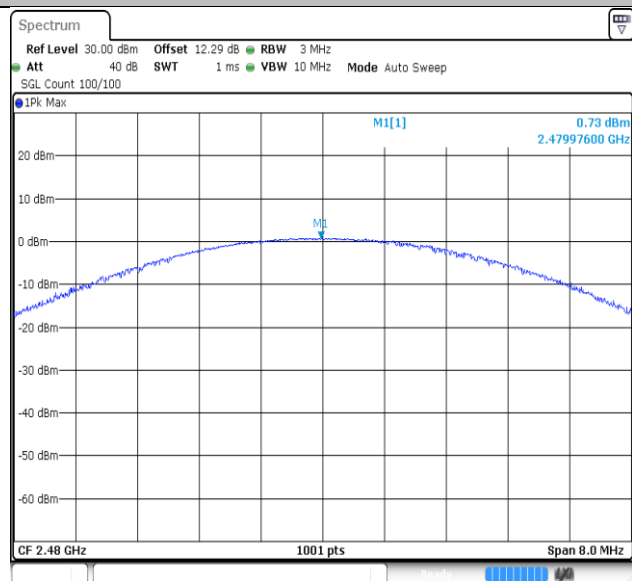
Date: 31.OCT.2025 08:51:22

2DH5-2402-PASS



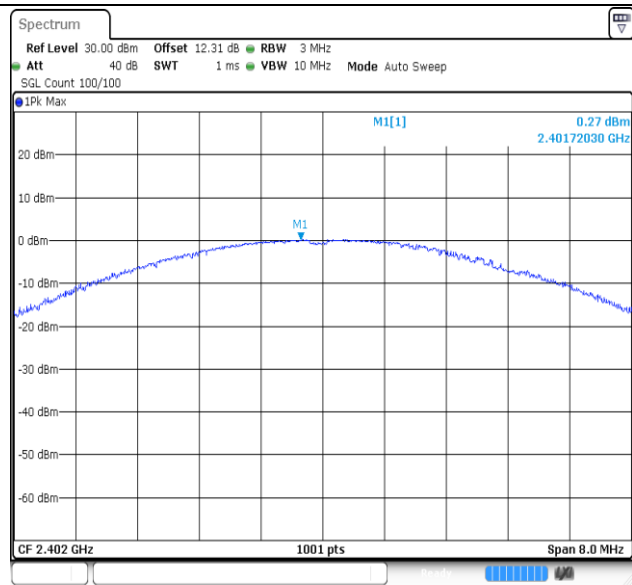
Date: 31.OCT.2025 08:51:53

2DH5-2441-PASS



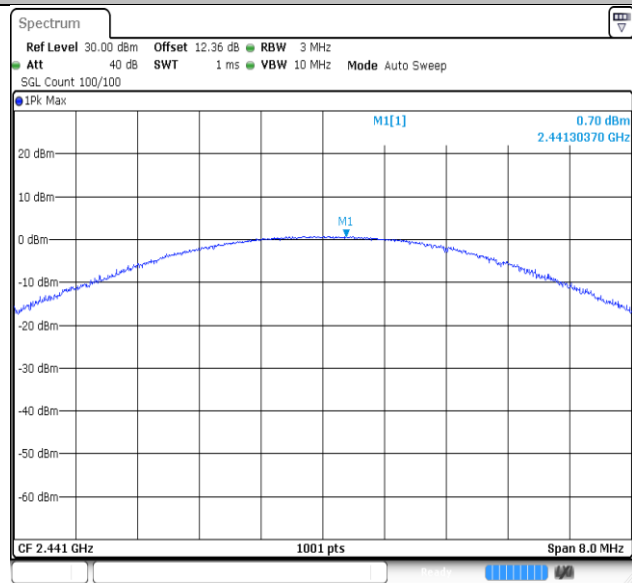
Date: 31.OCT.2025 08:52:15

2DH5-2480-PASS



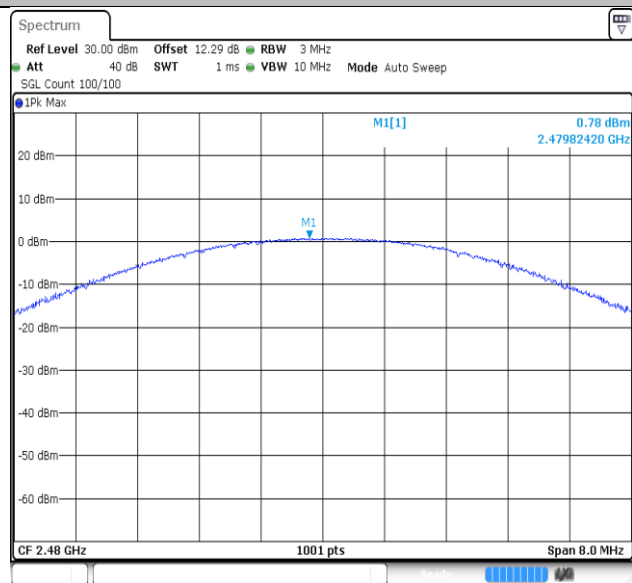
Date: 31.OCT.2025 08:53:02

3DH5-2402-PASS



Date: 31.OCT.2025 08:53:24

3DH5-2441-PASS



Date: 31.OCT.2025 08:53:57

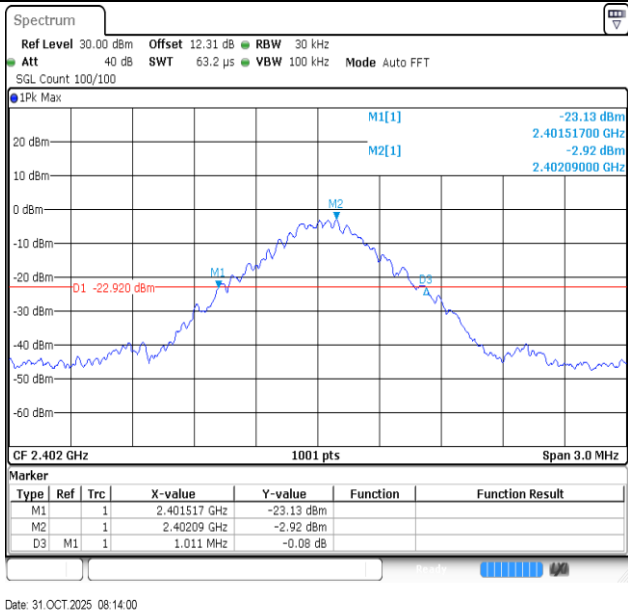
3DH5-2480-PASS

Appendix B: 20dB Bandwidth

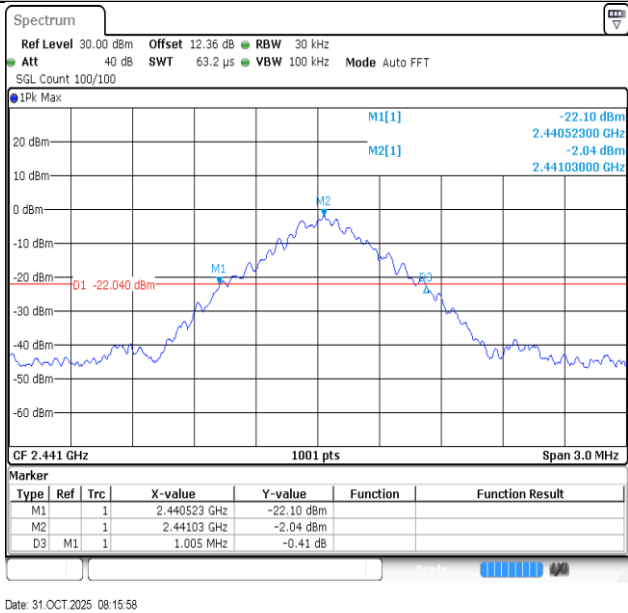
Test Result

TestMode	Frequency[MHz]	20db Bandwidth [MHz]	Limit[MHz]	Verdict
DH5	2402	1.01	---	---
DH5	2441	1.00	---	---
DH5	2480	1.01	---	---
2DH5	2402	1.27	---	---
2DH5	2441	1.23	---	---
2DH5	2480	1.25	---	---
3DH5	2402	1.25	---	---
3DH5	2441	1.27	---	---
3DH5	2480	1.25	---	---

Test Graphs



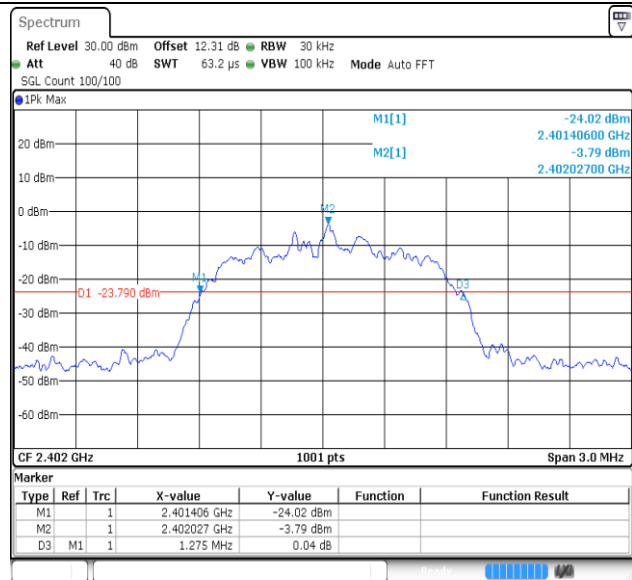
DH5-2402



DH5-2441

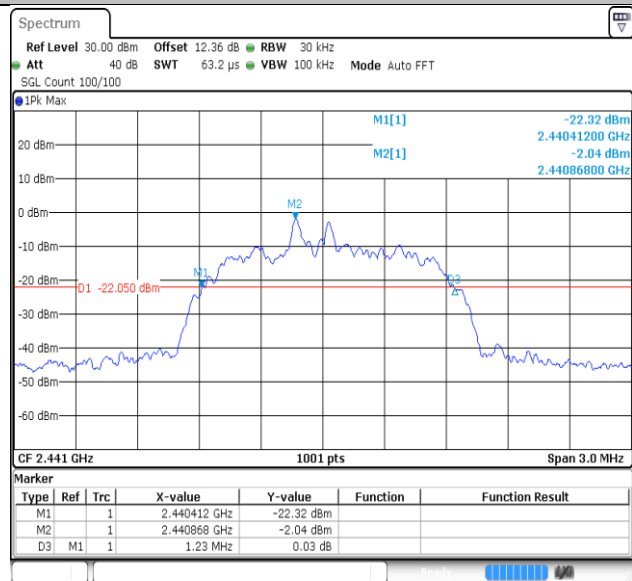


DH5-2480



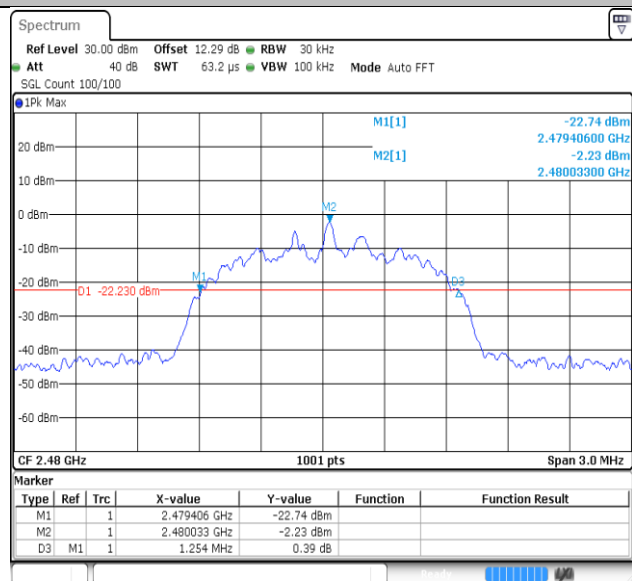
Date: 31.OCT.2025 08:19:32

2DH5-2402



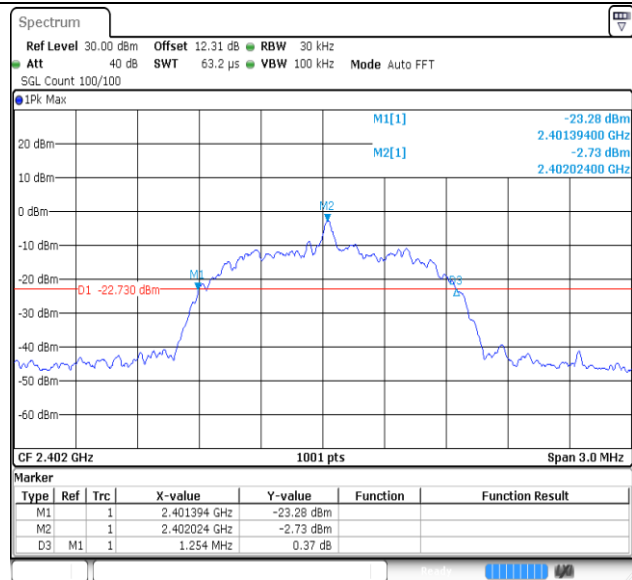
Date: 31.OCT.2025 08:21:45

2DH5-2441



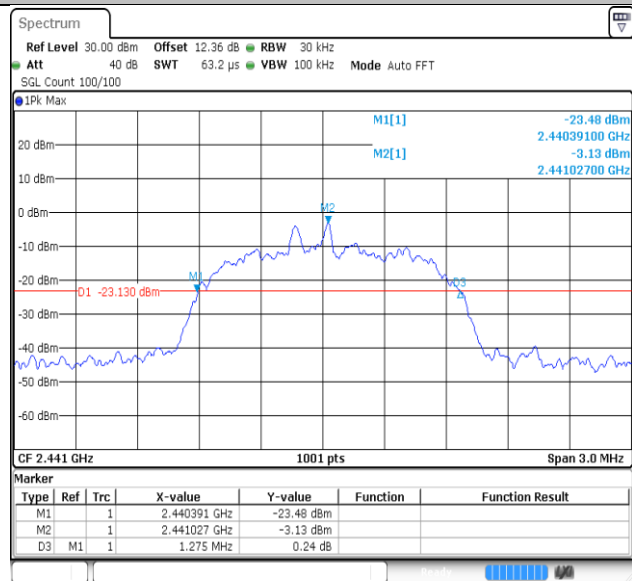
Date: 31.OCT.2025 08:23:09

2DH5-2480



Date: 31.OCT.2025 08:28:39

3DH5-2402



Date: 31.OCT.2025 08:28:24

3DH5-2441



Date: 31.OCT.2025 08:30:00

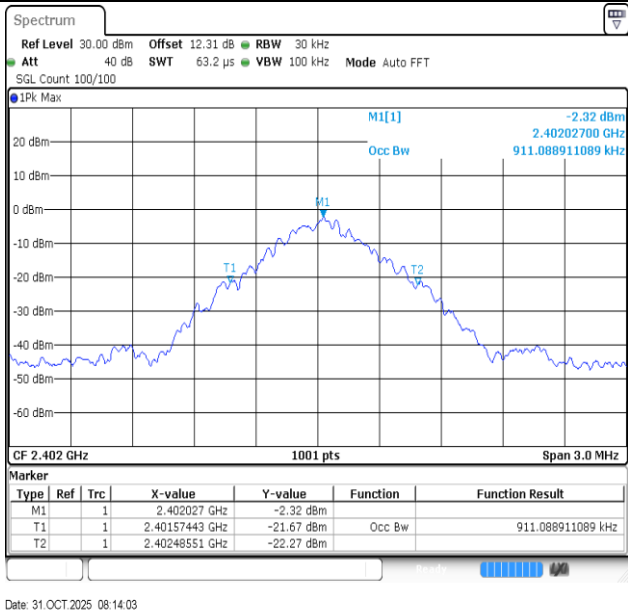
3DH5-2480

Appendix C: 99% Occupied Bandwidth

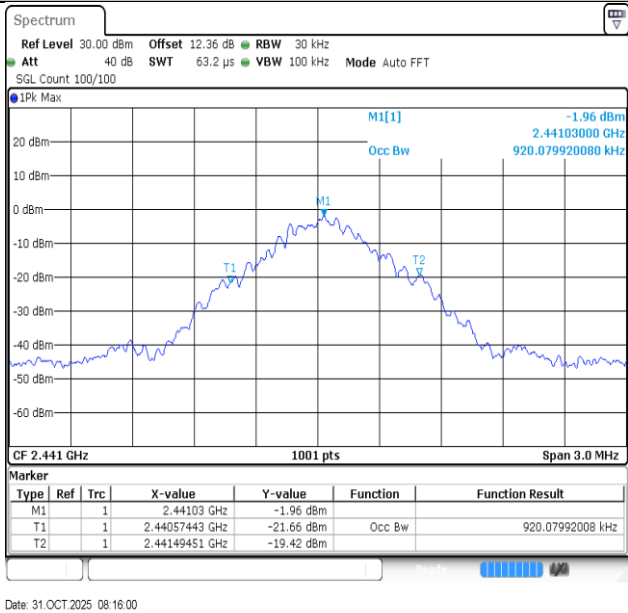
Test Result

TestMode	Frequency[MHz]	99% Occupied Bandwidth [MHz]	Limit[MHz]	Verdict
DH5	2402	0.91109	---	---
DH5	2441	0.92008	---	---
DH5	2480	0.91109	---	---
2DH5	2402	1.1628	---	---
2DH5	2441	1.1658	---	---
2DH5	2480	1.1988	---	---
3DH5	2402	1.1808	---	---
3DH5	2441	1.2048	---	---
3DH5	2480	1.1808	---	---

Test Graphs



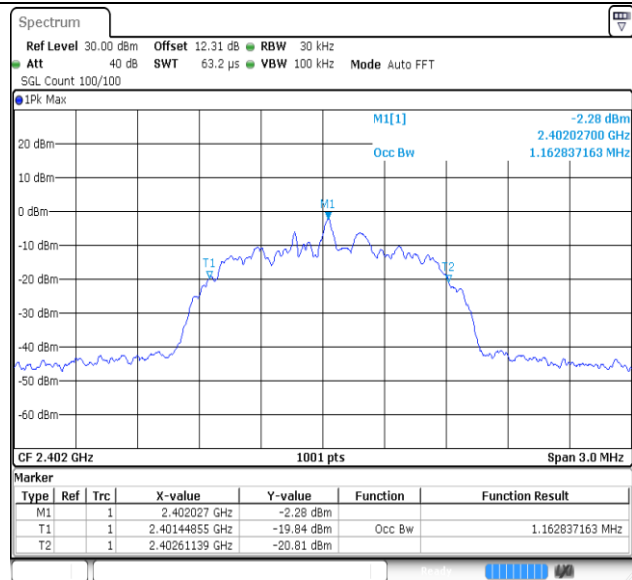
DH5-2402



DH5-2441

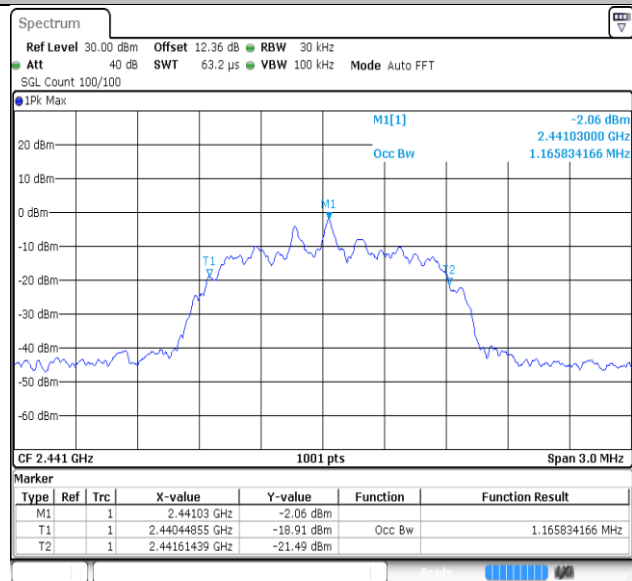


DH5-2480



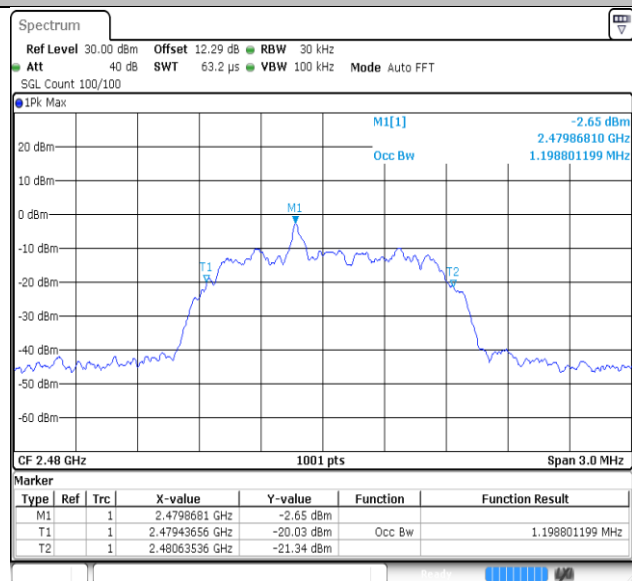
Date: 31.OCT.2025 08:19:34

2DH5-2402



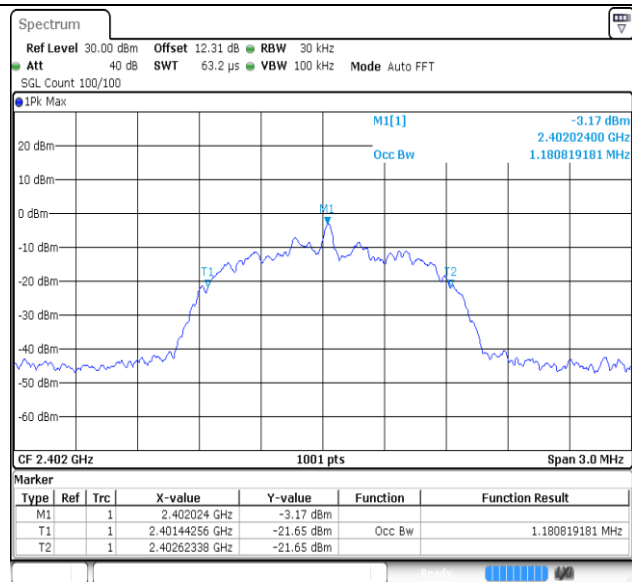
Date: 31.OCT.2025 08:21:48

2DH5-2441



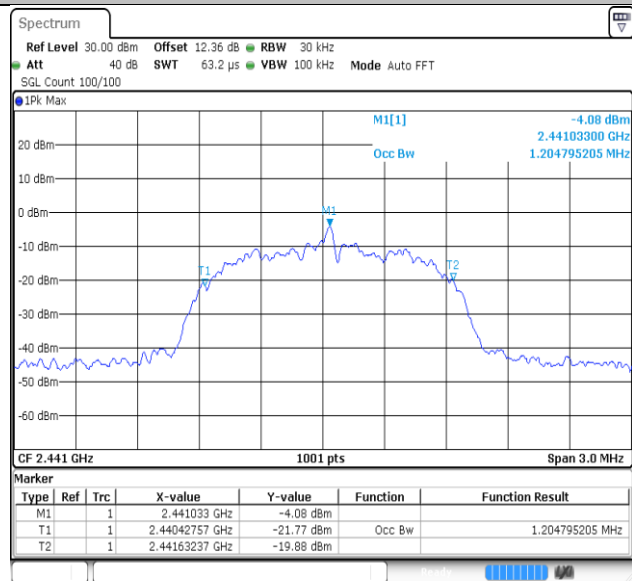
Date: 31.OCT.2025 08:23:12

2DH5-2480



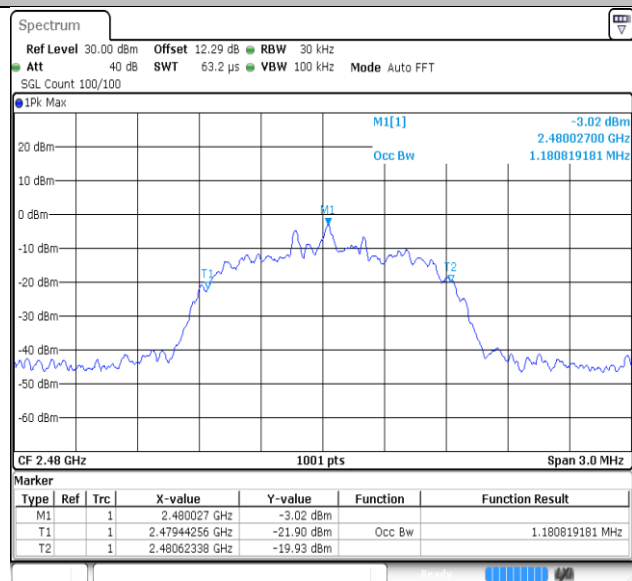
Date: 31.OCT.2025 08:26:42

3DH5-2402



Date: 31.OCT.2025 08:28:27

3DH5-2441



Date: 31.OCT.2025 08:30:03

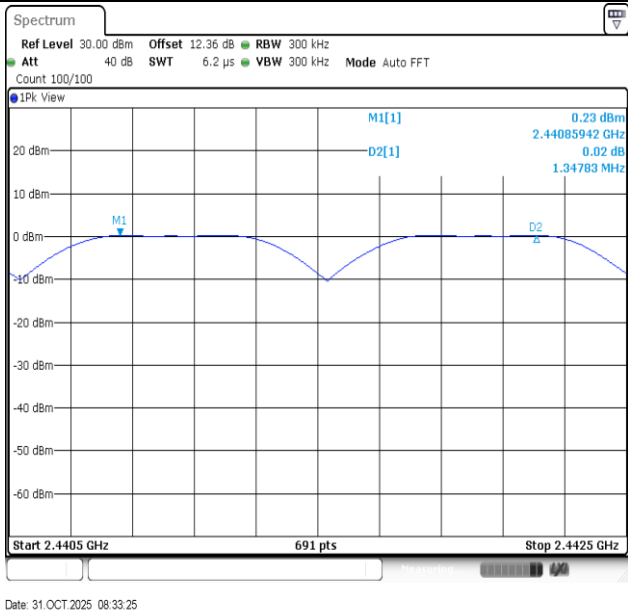
3DH5-2480

Appendix D: Carrier Frequency Separation

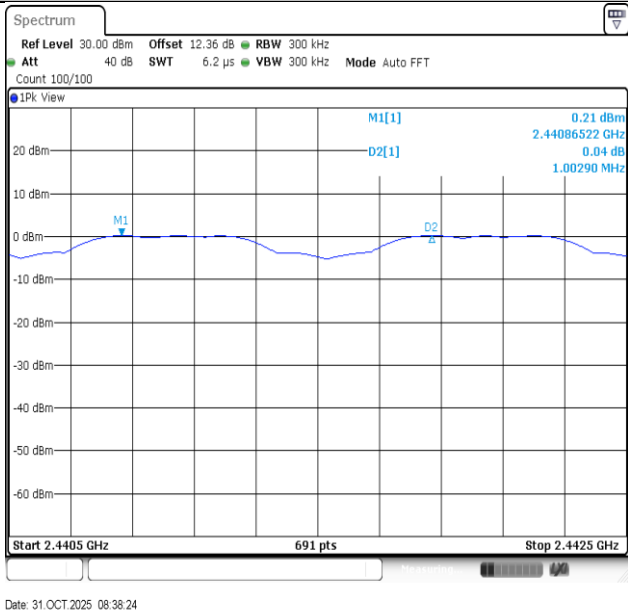
Test Result

TestMode	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Hop	1.348	≥1.010	PASS
2DH5	Hop	1.003	≥0.847	PASS
3DH5	Hop	1.293	≥1.270	PASS

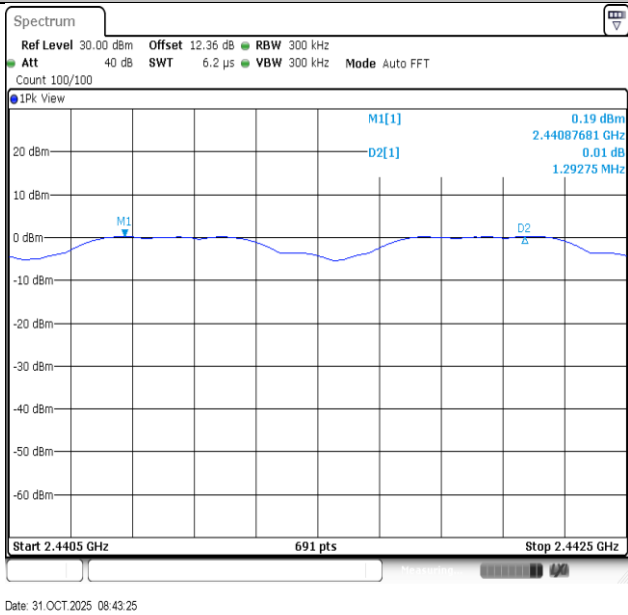
Test Graphs



DH5-Hop-PASS



2DH5-Hop-PASS



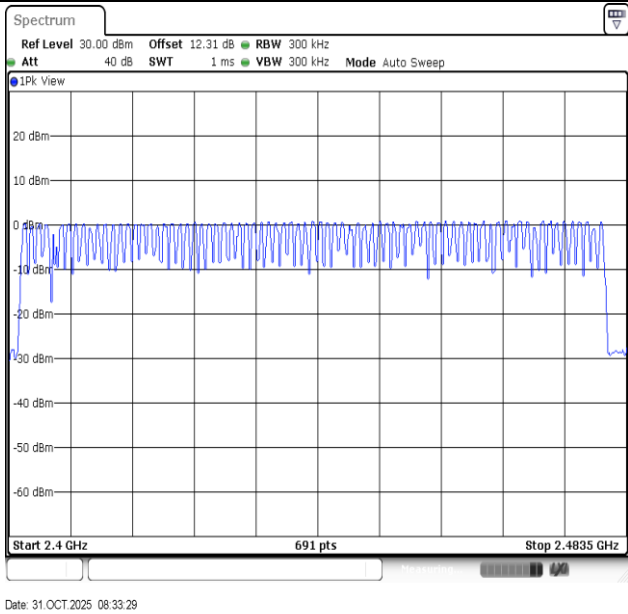
3DH5-Hop-PASS

Appendix E: Hopping Channel Number

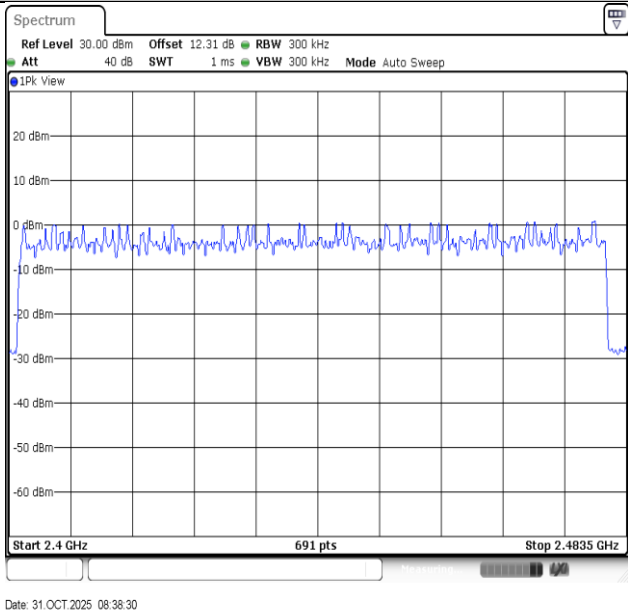
Test Result

TestMode	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH5	Hop	79	≥15	PASS
2DH5	Hop	79	≥15	PASS
3DH5	Hop	79	≥15	PASS

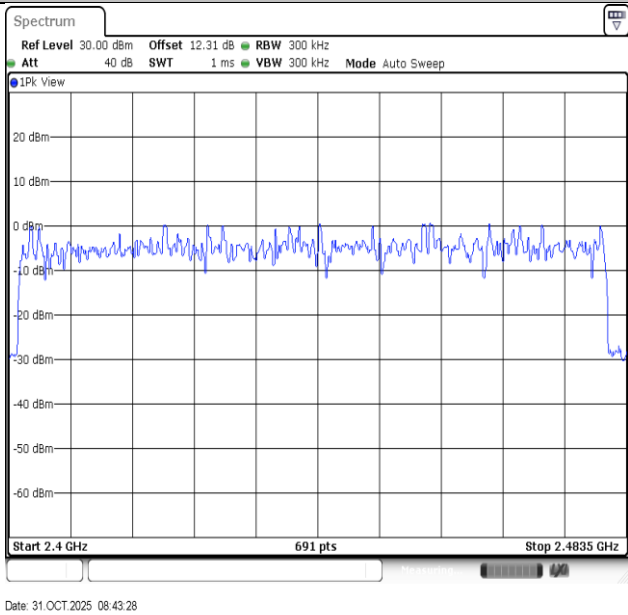
Test Graphs



DH5-Hop-PASS



2DH5-Hop-PASS



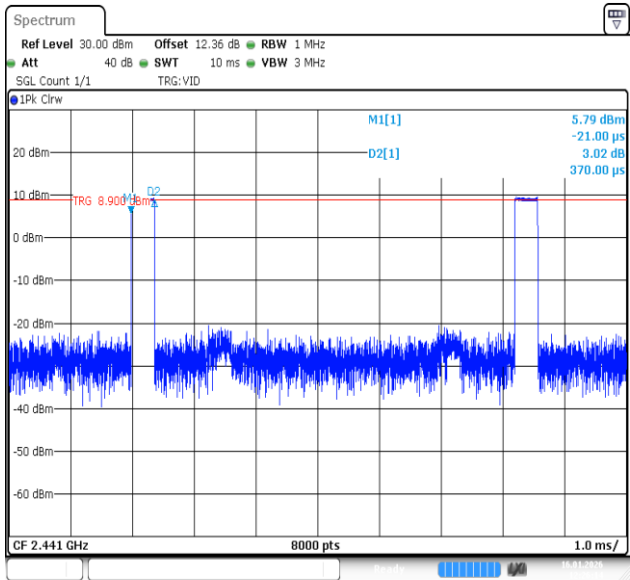
3DH5-Hop-PASS

Appendix F: Dwell Time

Test Result

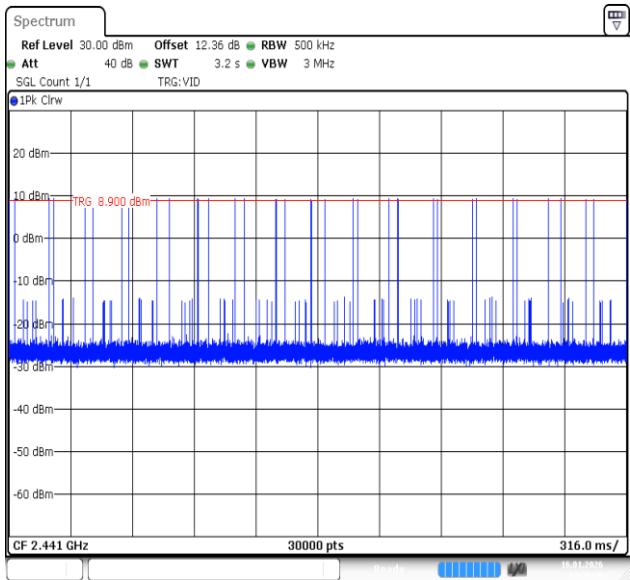
TestMode	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Hop	0.370	330	0.122	≤0.4	PASS
DH3	Hop	1.619	160	0.259	≤0.4	PASS
DH5	Hop	2.860	100	0.286	≤0.4	PASS
2DH1	Hop	0.380	320	0.122	≤0.4	PASS
2DH3	Hop	1.624	150	0.244	≤0.4	PASS
2DH5	Hop	2.864	60	0.172	≤0.4	PASS
3DH1	Hop	0.380	320	0.122	≤0.4	PASS
3DH3	Hop	1.623	140	0.227	≤0.4	PASS
3DH5	Hop	2.865	50	0.143	≤0.4	PASS

Test Graphs

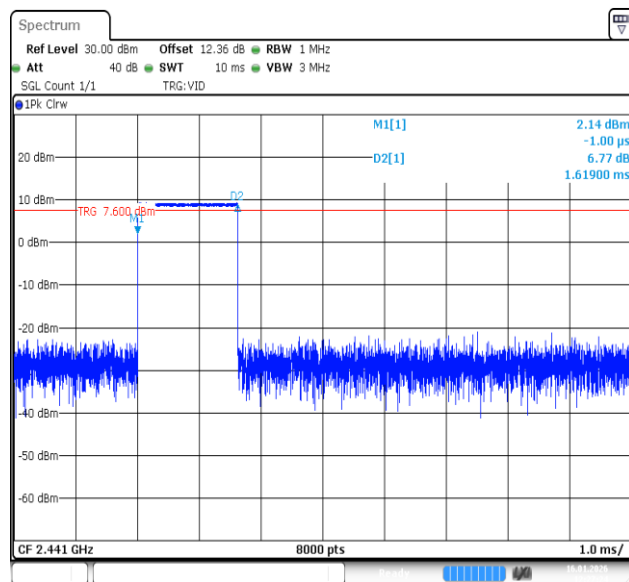


Date: 16 JAN 2026 12:26:14

DH1-Hop-PASS

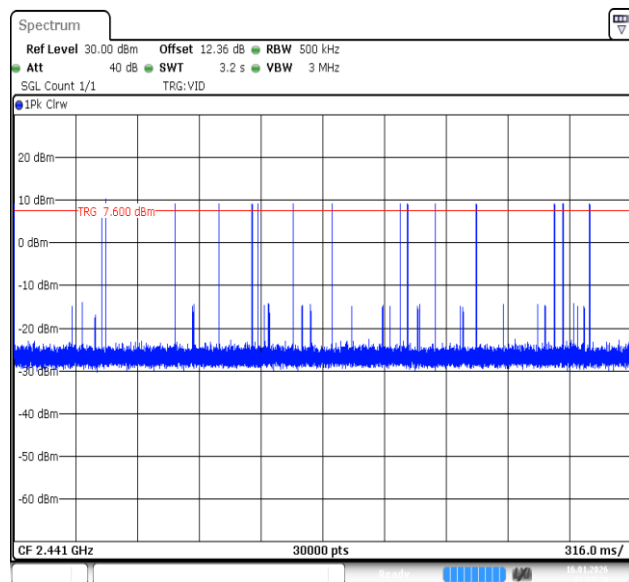


Date: 16 JAN 2026 12:26:20

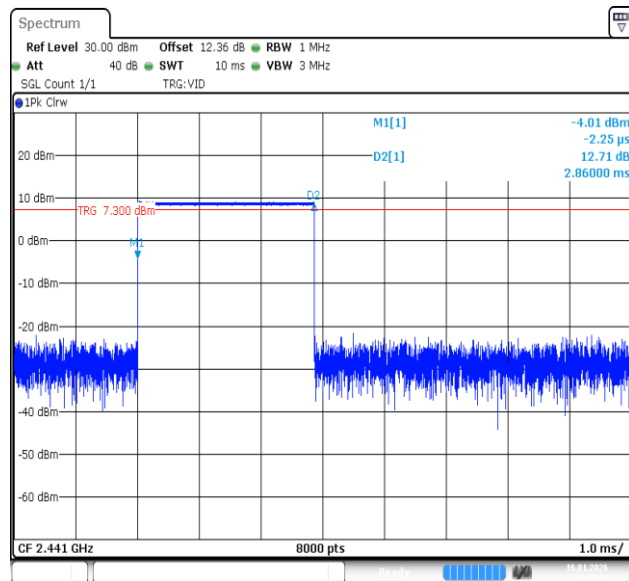


Date: 16 JAN 2026 12:27:24

DH3-Hop-PASS

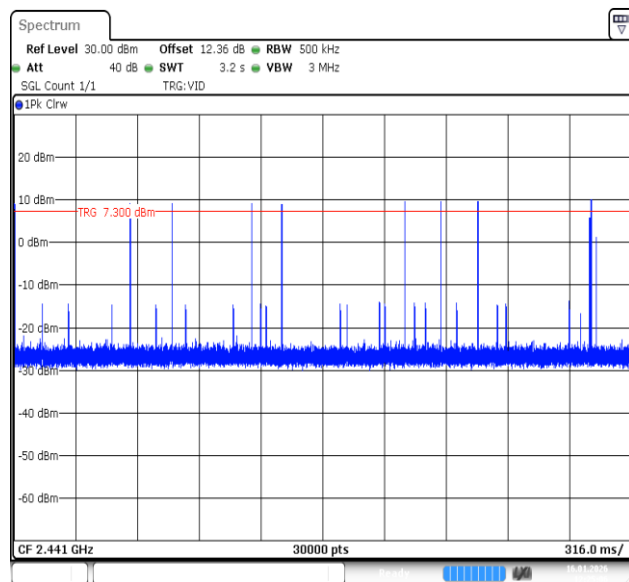


Date: 16 JAN 2026 12:27:29

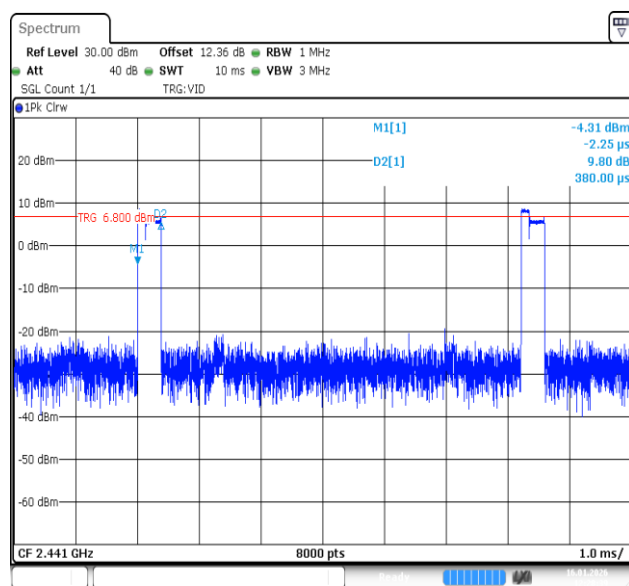


Date: 16 JAN 2026 12:25:01

DH5-Hop-PASS

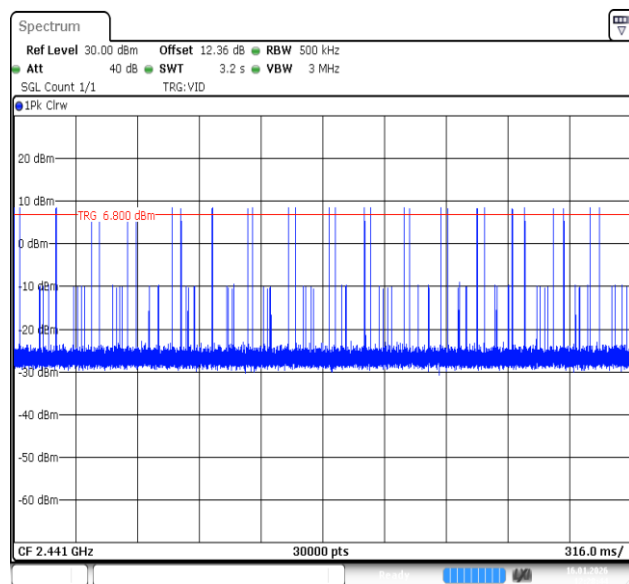


Date: 16 JAN 2026 12:25:06

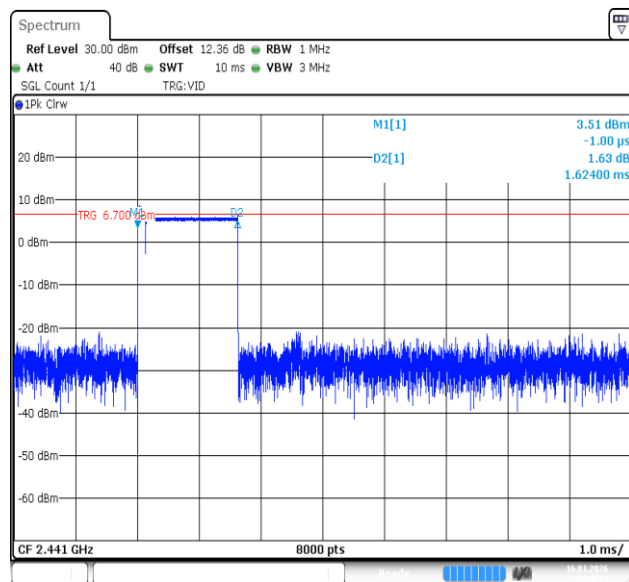


Date: 16 JAN 2026 12:28:40

2DH1-Hop-PASS

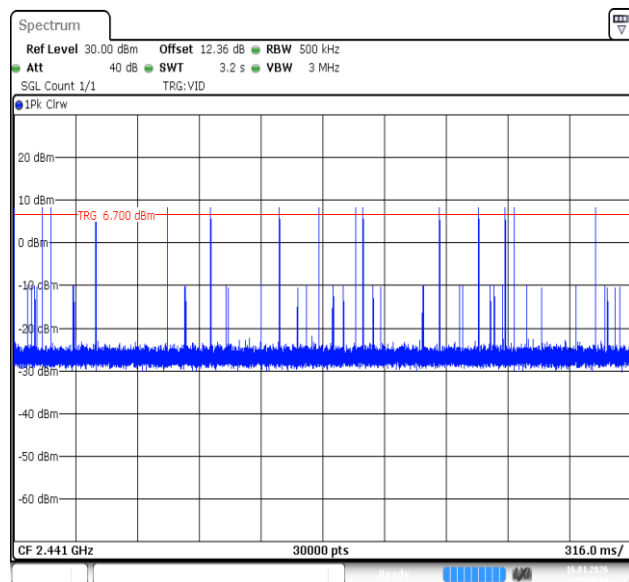


Date: 16 JAN 2026 12:28:45

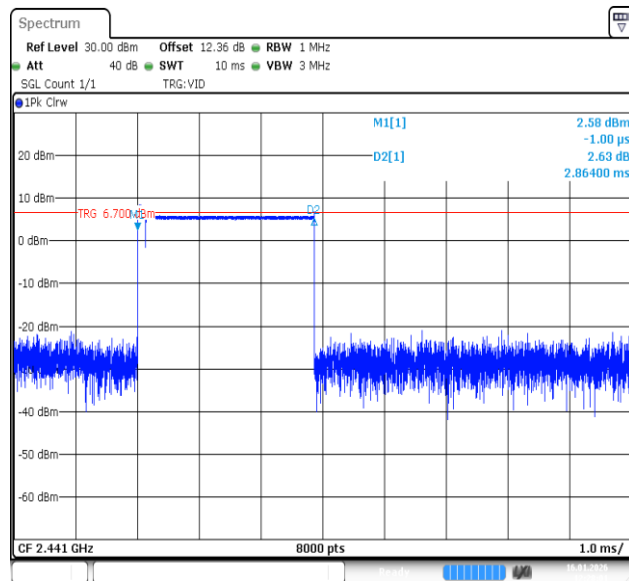


Date: 16 JAN 2026 12:29:20

2DH3-Hop-PASS

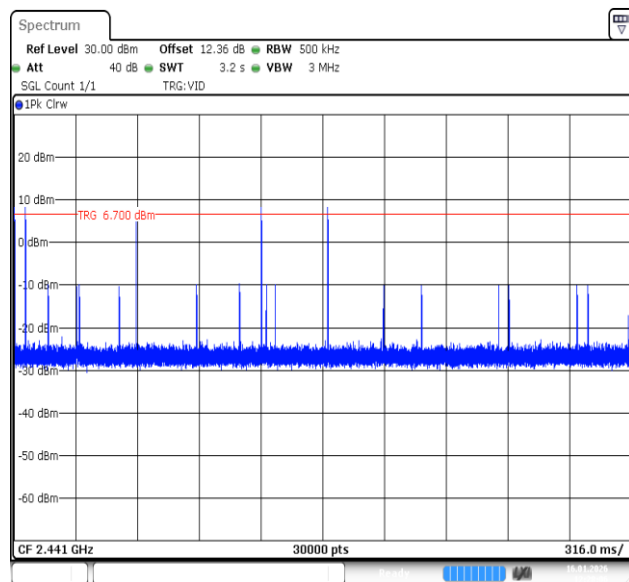


Date: 16 JAN 2026 12:29:25

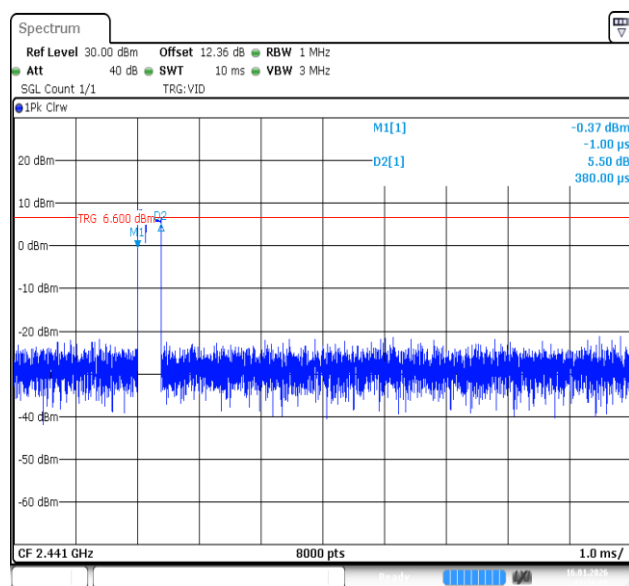


Date: 16 JAN 2026 12:28:01

2DH5-Hop-PASS

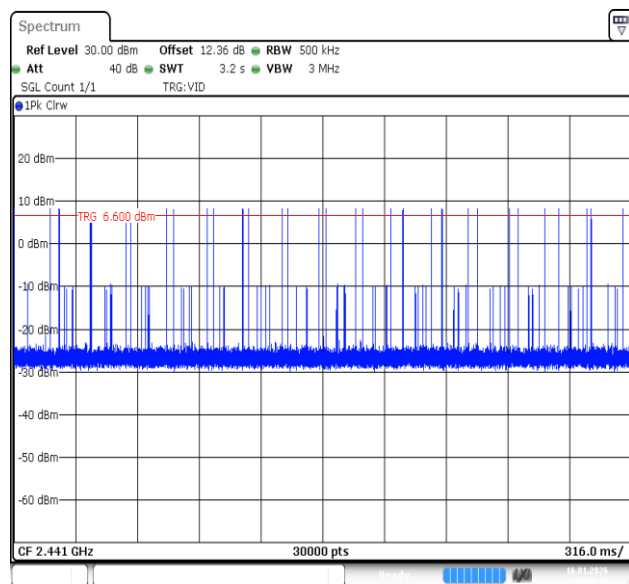


Date: 16 JAN 2026 12:28:06

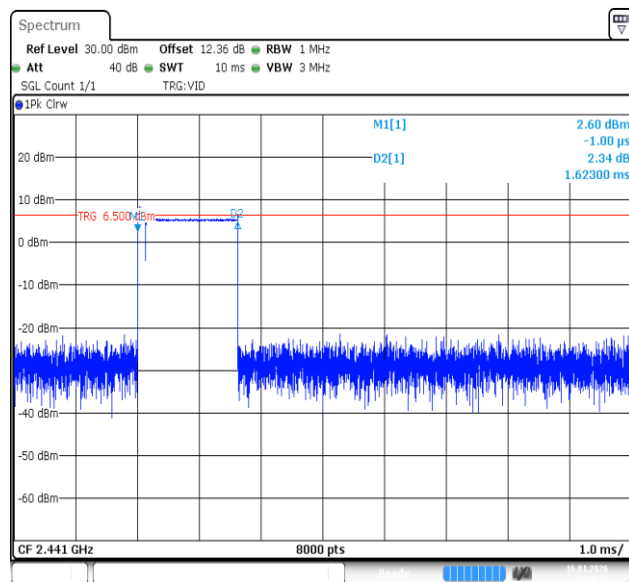


Date: 16 JAN 2026 12:31:05

3DH1-Hop-PASS

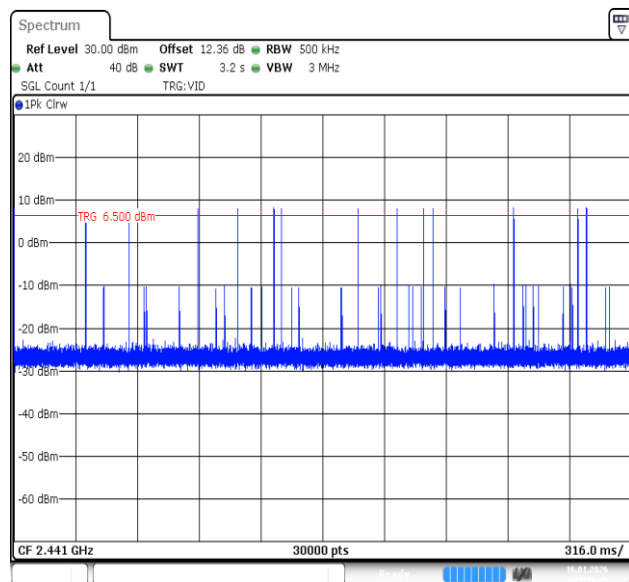


Date: 16 JAN 2026 12:31:10

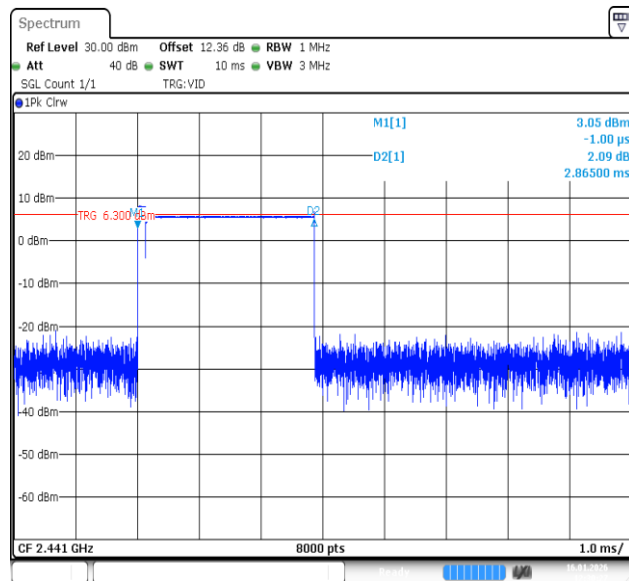


Date: 16 JAN 2026 12:31:41

3DH3-Hop-PASS

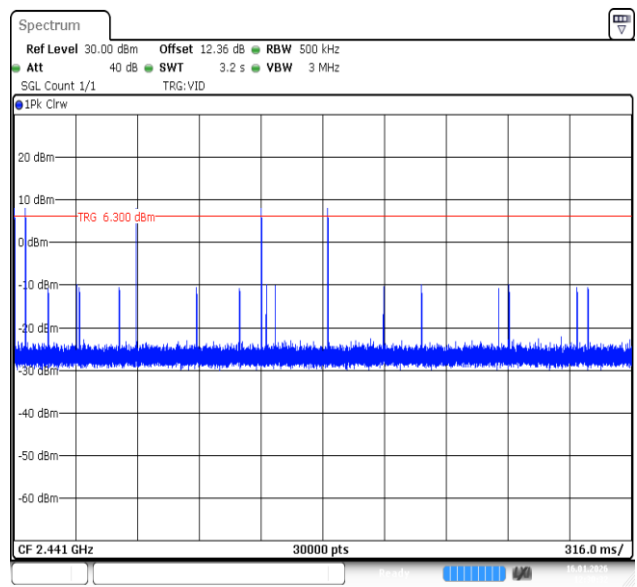


Date: 16 JAN 2026 12:31:46



Date: 16 JAN 2026 12:30:27

3DH5-Hop-PASS



Date: 16 JAN 2026 12:30:32

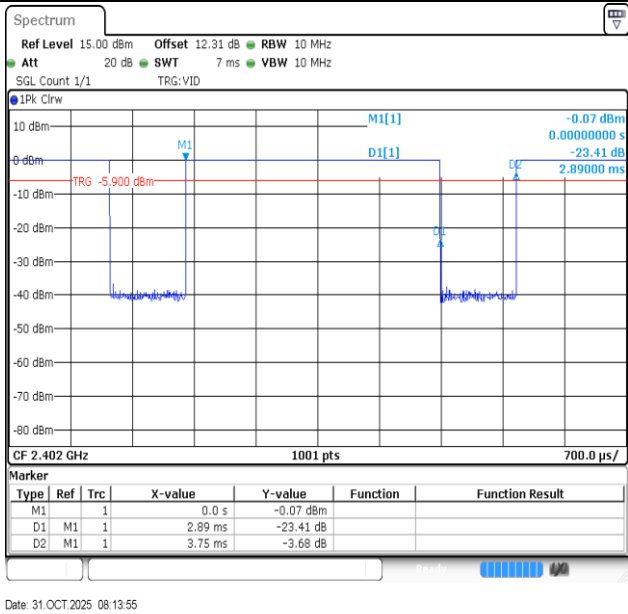
Appendix G: Duty Cycle Correction Factor (DCCF)

Test Result

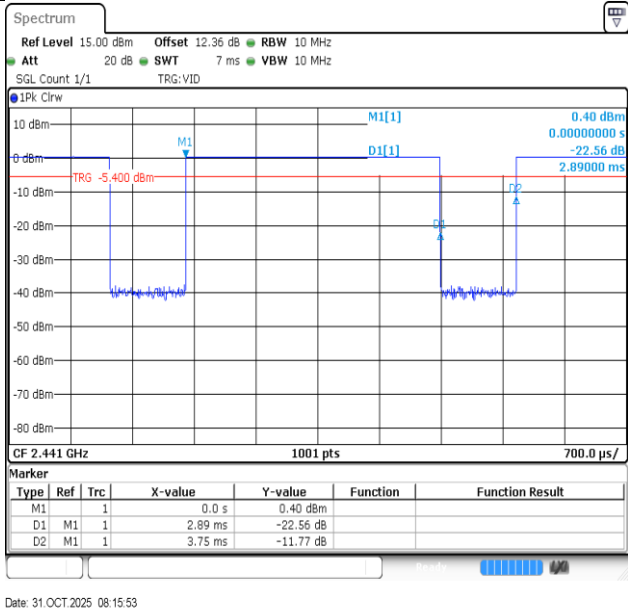
TestMode	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	DCCF [dB]
DH5	2402	2.89	3.75	77.07	1.13	-2.26
DH5	2441	2.89	3.75	77.07	1.13	-2.26
DH5	2480	2.89	3.75	77.07	1.13	-2.26
2DH5	2402	2.89	3.75	77.07	1.13	-2.26
2DH5	2441	2.90	3.75	77.33	1.12	-2.23
2DH5	2480	2.89	3.75	77.07	1.13	-2.26
3DH5	2402	2.89	3.75	77.07	1.13	-2.26
3DH5	2441	2.90	3.75	77.33	1.12	-2.23
3DH5	2480	2.90	3.75	77.33	1.12	-2.23

$$\text{DCCF} = 20 * \text{Log}(\text{duty cycle}) = 20 * \text{Log}(T_{\text{on time}} / T_{\text{period}})$$

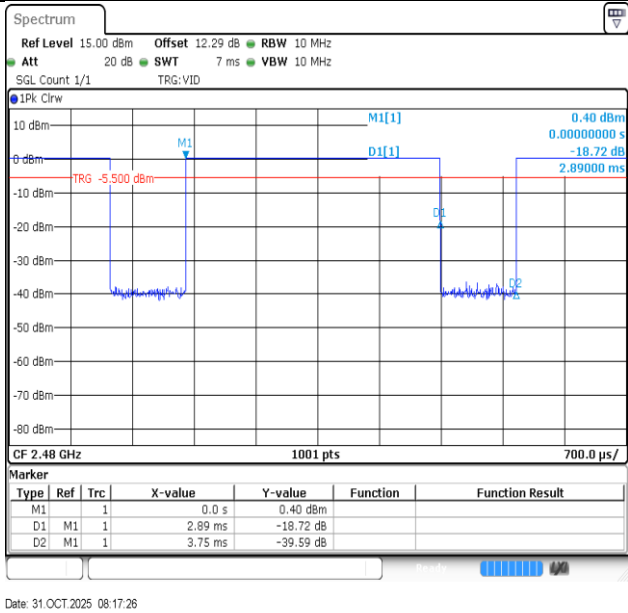
Test Graphs



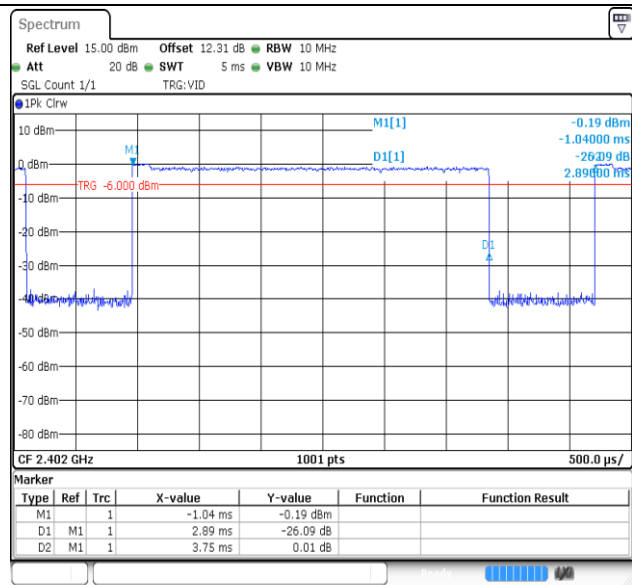
NTNV-DH5-2402



NTNV-DH5-2441

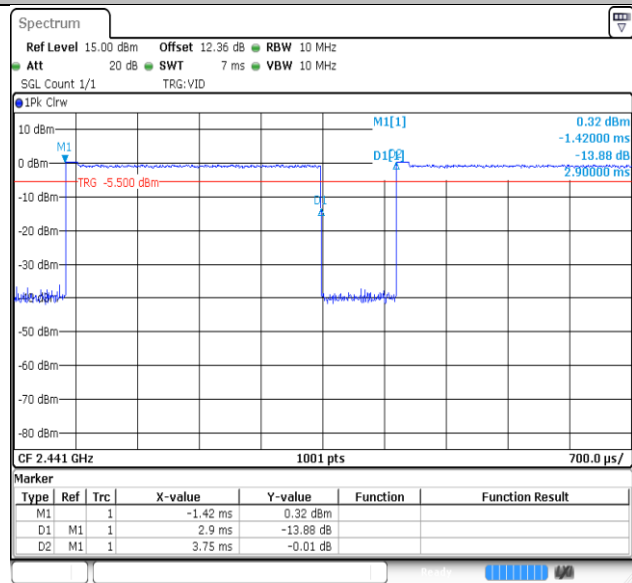


NTNV-DH5-2480



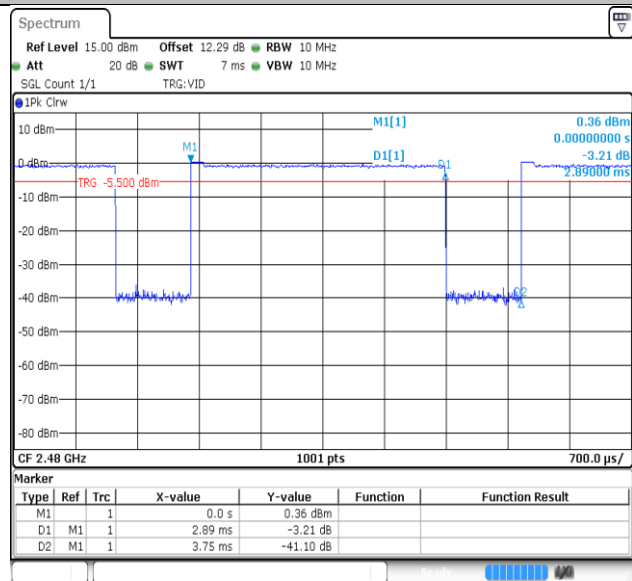
Date: 31.OCT.2025 08:19:28

NTNV-2DH5-2402



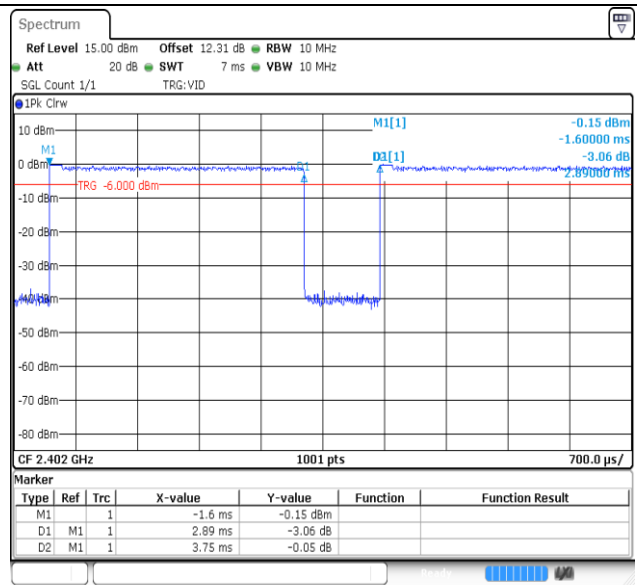
Date: 31.OCT.2025 08:21:41

NTNV-2DH5-2441



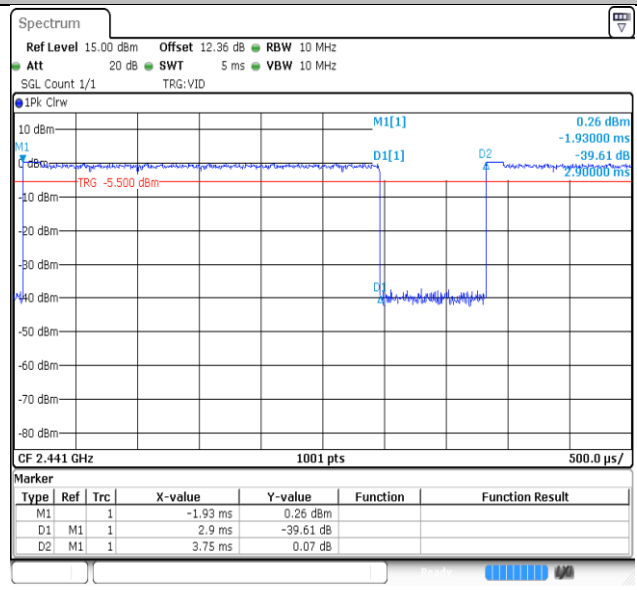
Date: 31.OCT.2025 08:23:05

NTNV-2DH5-2480



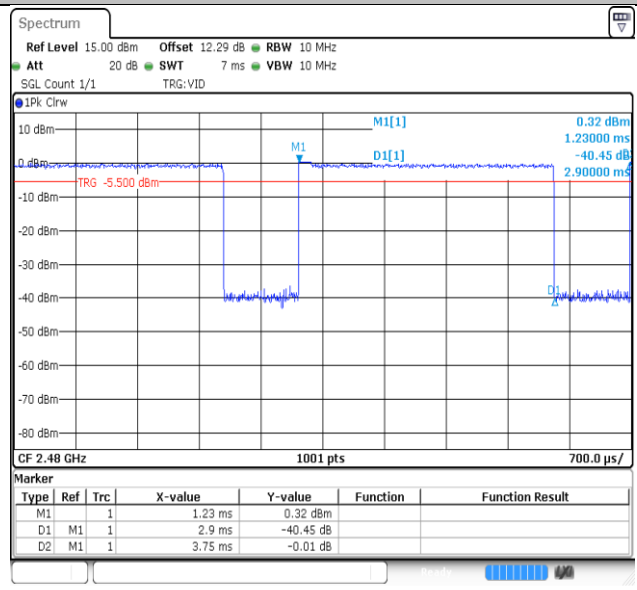
Date: 31.OCT.2025 08:28:35

NTNV-3DH5-2402



Date: 31.OCT.2025 08:28:20

NTNV-3DH5-2441

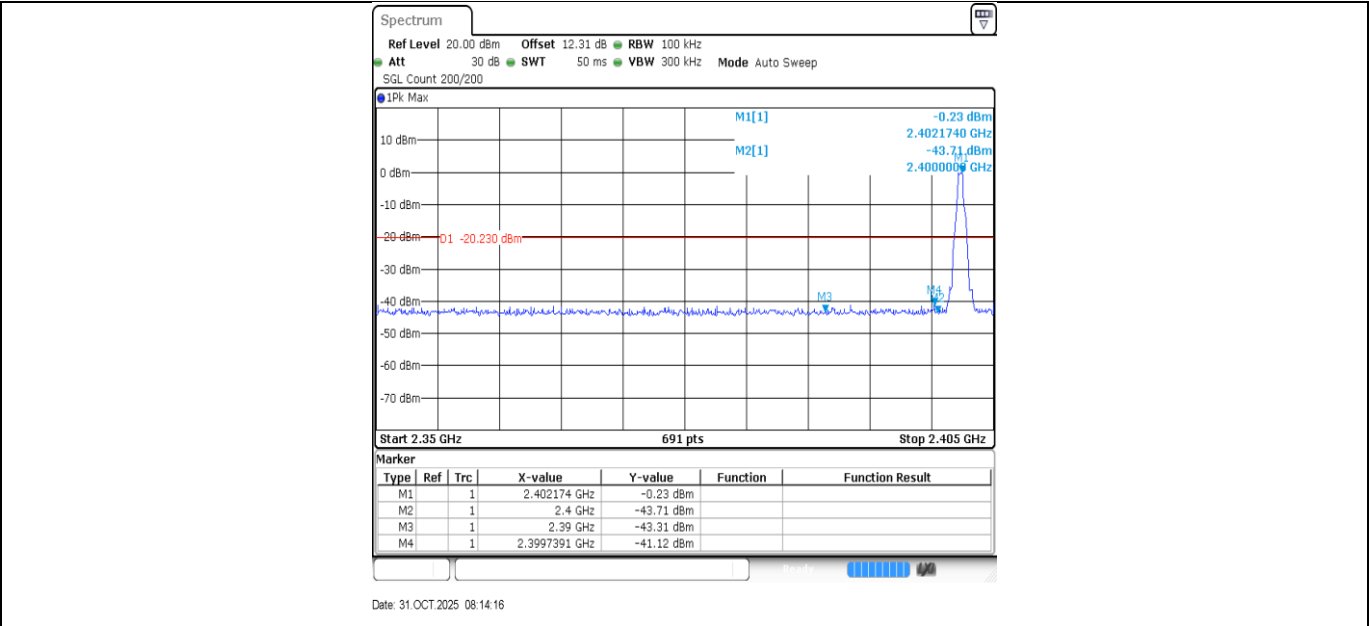


Date: 31.OCT.2025 08:29:56

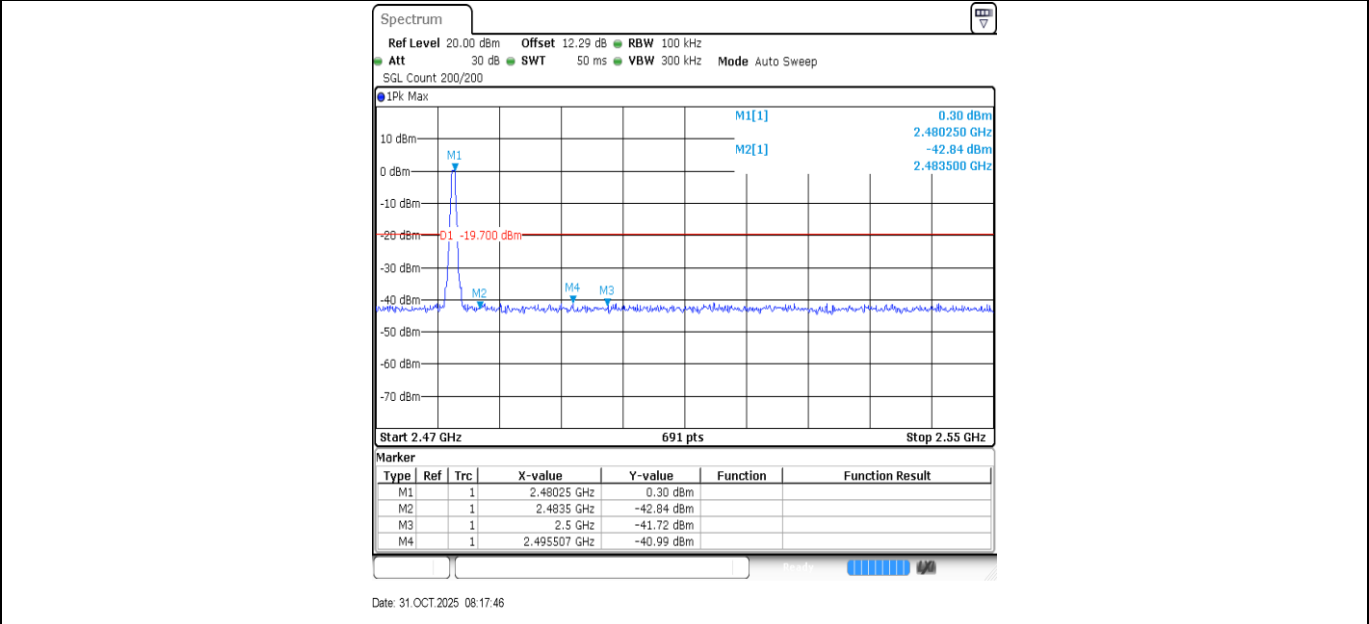
NTNV-3DH5-2480

Appendix H: Band edge and Spurious Emission(Conducted)

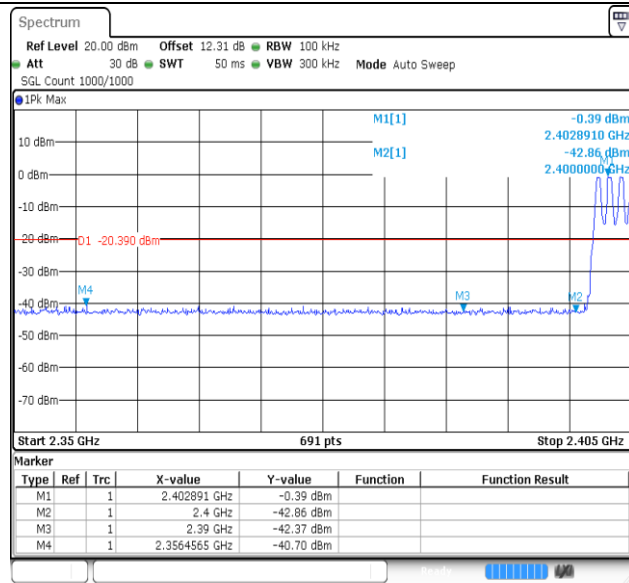
Test Graphs



DH5-2402-PASS

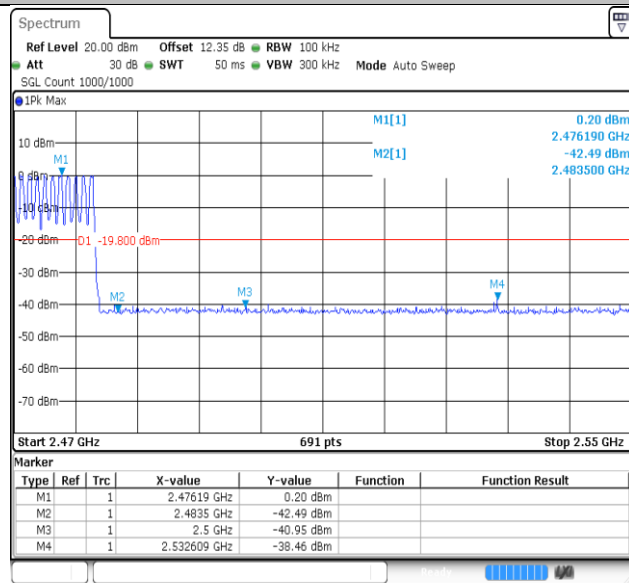


DH5-2480-PASS



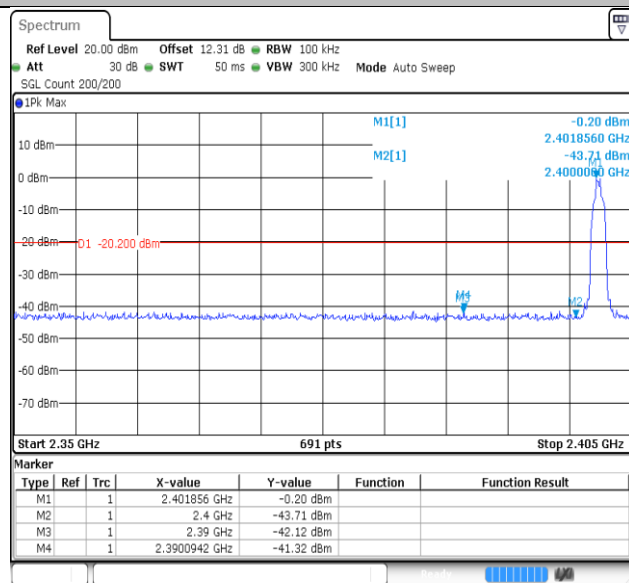
Date: 31.OCT.2025 09:10:41

DH5-Hop_2402-PASS



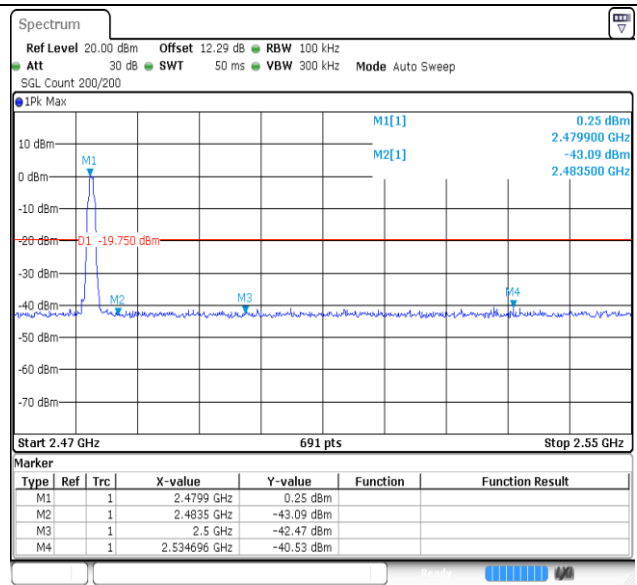
Date: 31.OCT.2025 09:11:37

DH5-Hop_2480-PASS



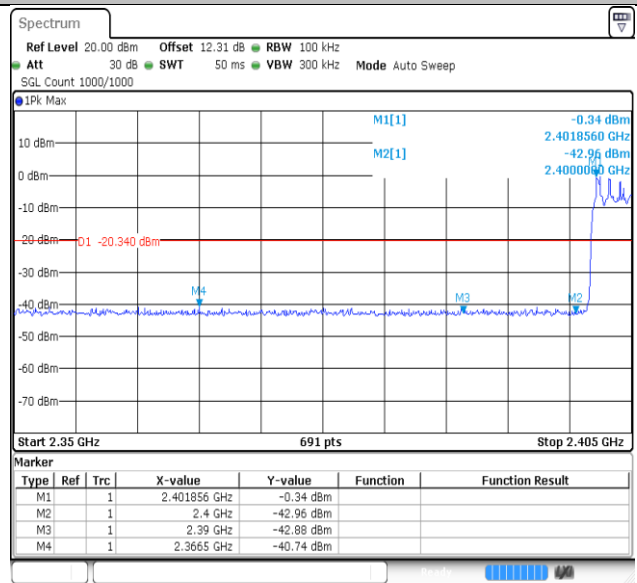
Date: 31.OCT.2025 08:19:48

2DH5-2402-PASS



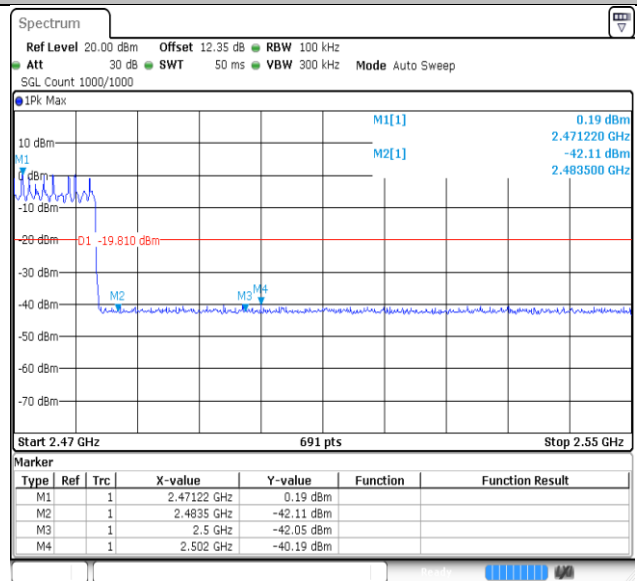
Date: 31.OCT.2025 08:23:25

2DH5-2480-PASS



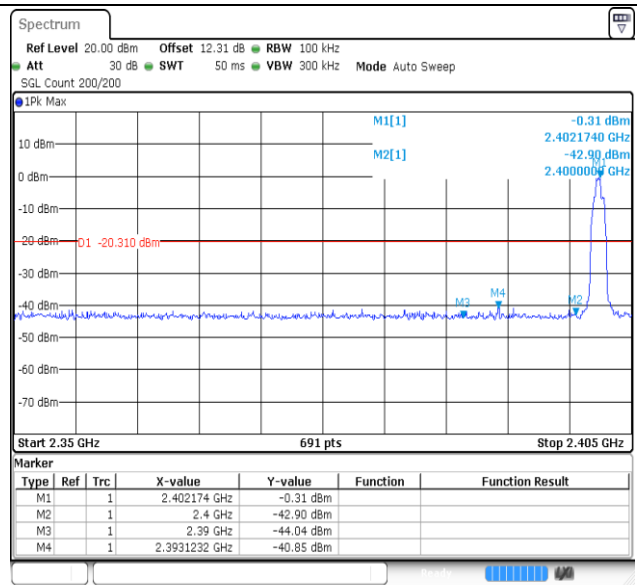
Date: 31.OCT.2025 09:24:45

2DH5-Hop_2402-PASS



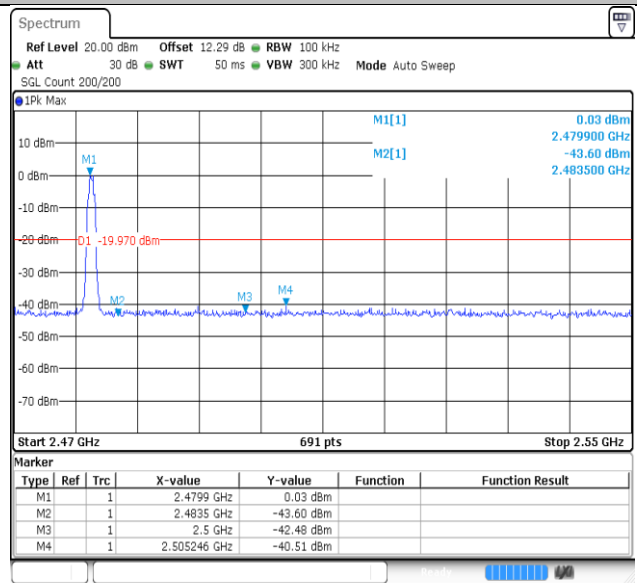
Date: 31.OCT.2025 09:25:42

2DH5-Hop_2480-PASS



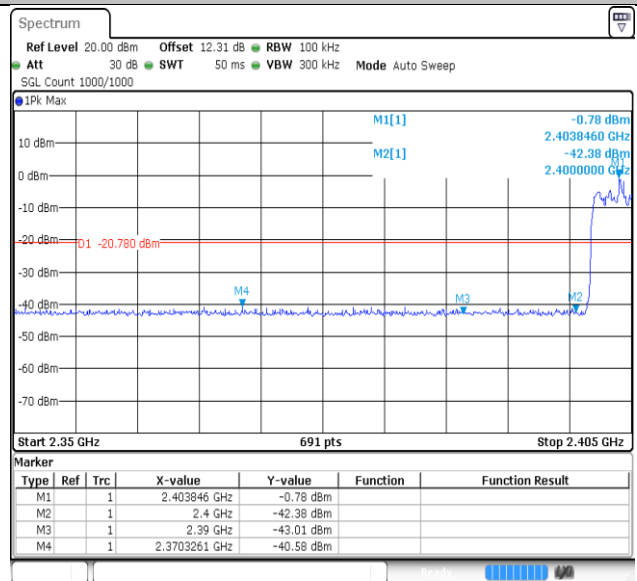
Date: 31.OCT.2025 08:26:55

3DH5-2402-PASS



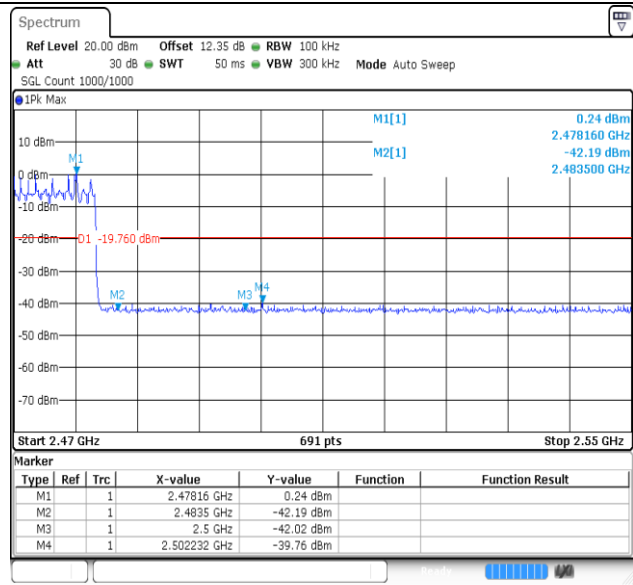
Date: 31.OCT.2025 08:30:16

3DH5-2480-PASS



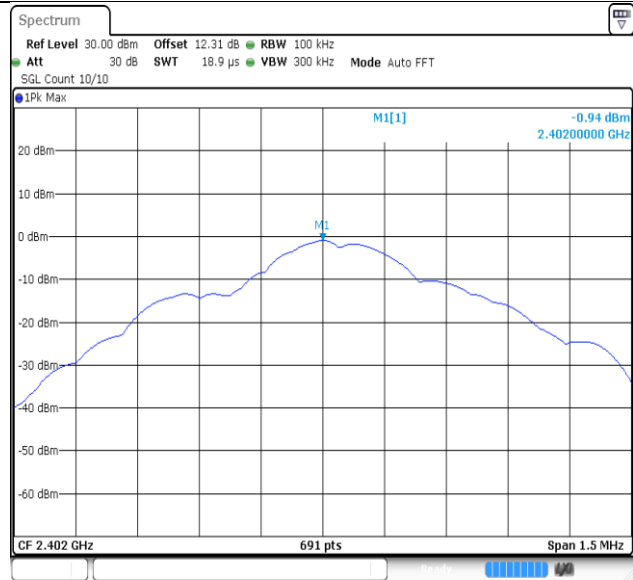
Date: 31.OCT.2025 09:27:37

3DH5-Hop_2402-PASS



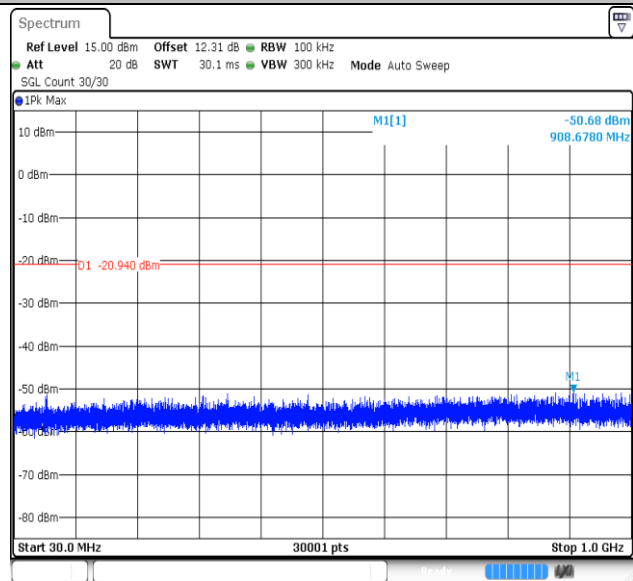
Date: 31.OCT.2025 09:28:33

3DH5-Hop_2480-PASS



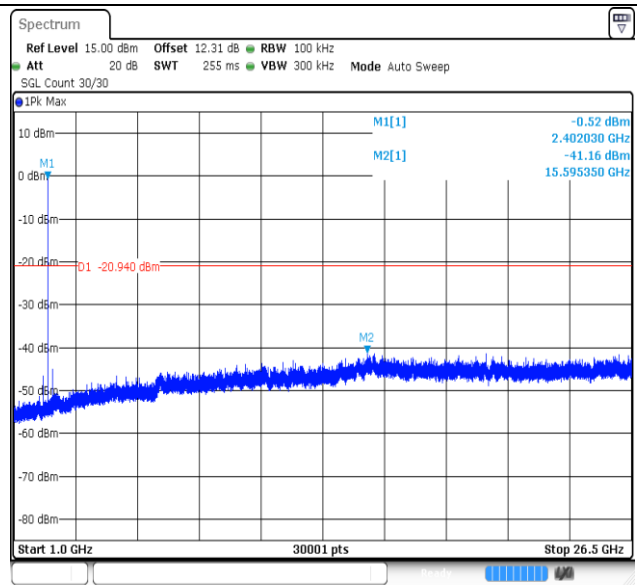
Date: 31.OCT.2025 08:14:19

DH5-2402-0~Reference-PASS



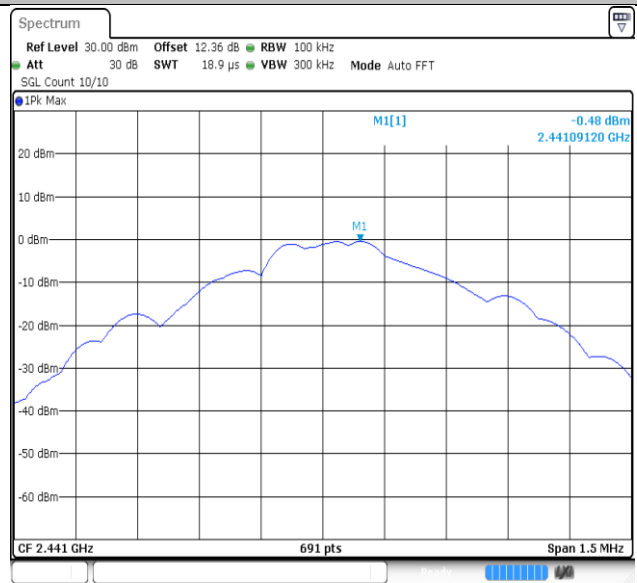
Date: 31.OCT.2025 08:14:25

DH5-2402-30~1000-PASS



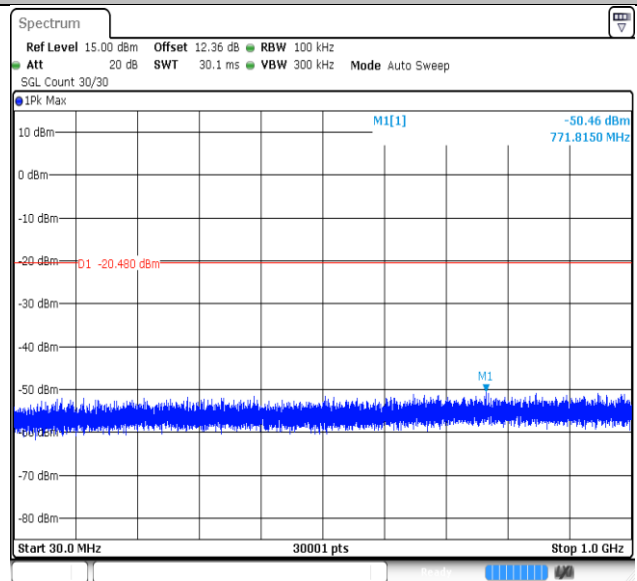
Date: 31.OCT.2025 08:14:52

DH5-2402-1000~26500-PASS



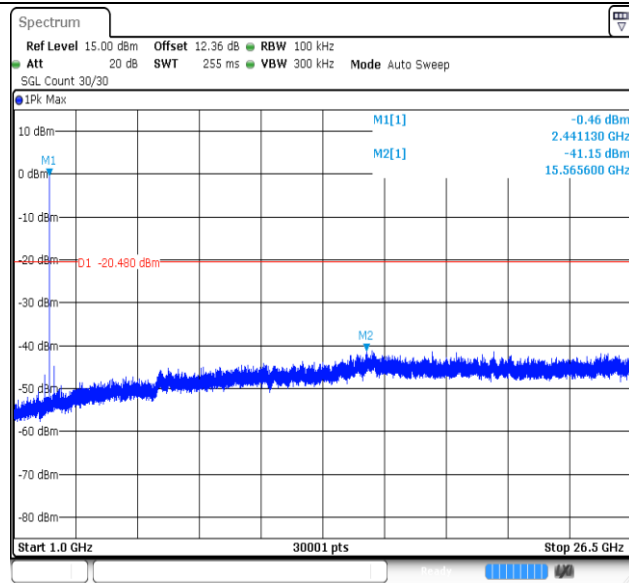
Date: 31.OCT.2025 08:16:02

DH5-2441-0~Reference-PASS



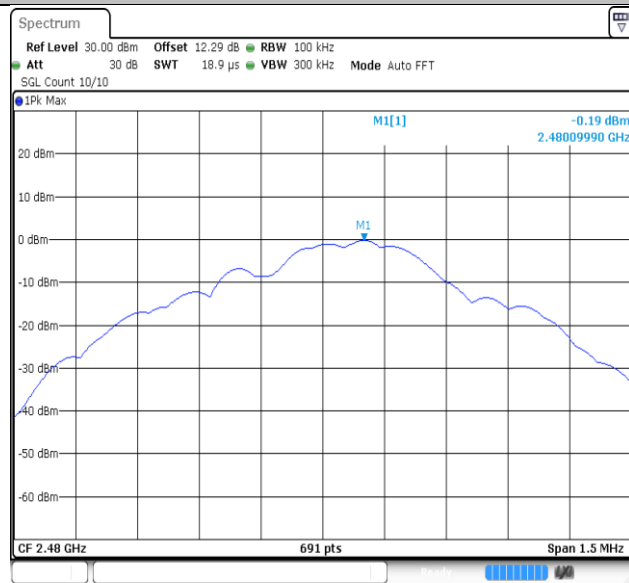
Date: 31.OCT.2025 08:16:08

DH5-2441-30~1000-PASS



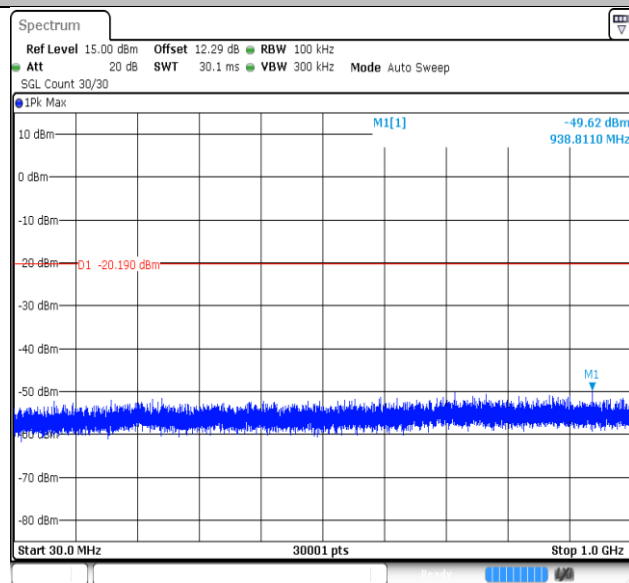
Date: 31.OCT.2025 08:16:35

DH5-2441-1000~26500-PASS



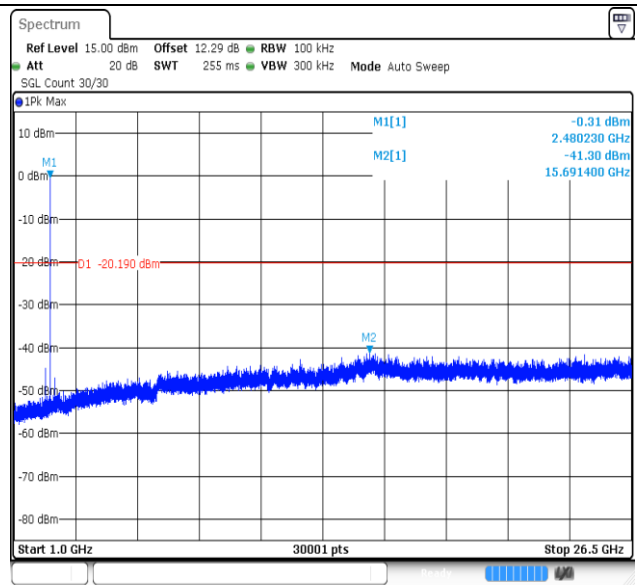
Date: 31.OCT.2025 08:17:49

DH5-2480-0~Reference-PASS



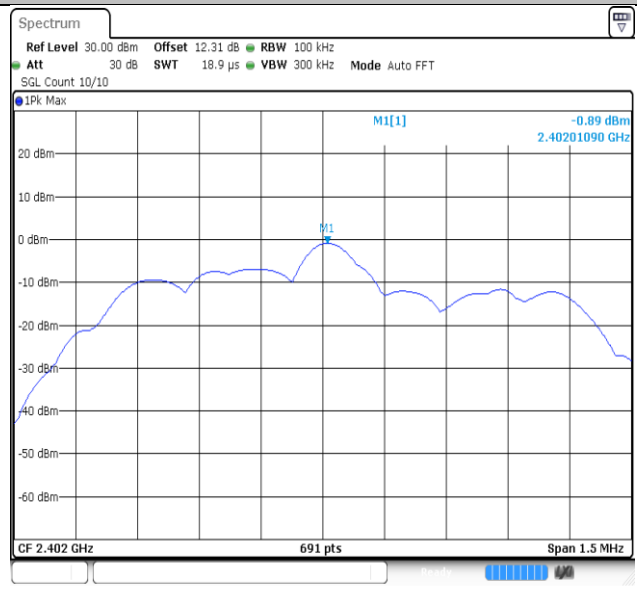
Date: 31.OCT.2025 08:17:54

DH5-2480-30~1000-PASS



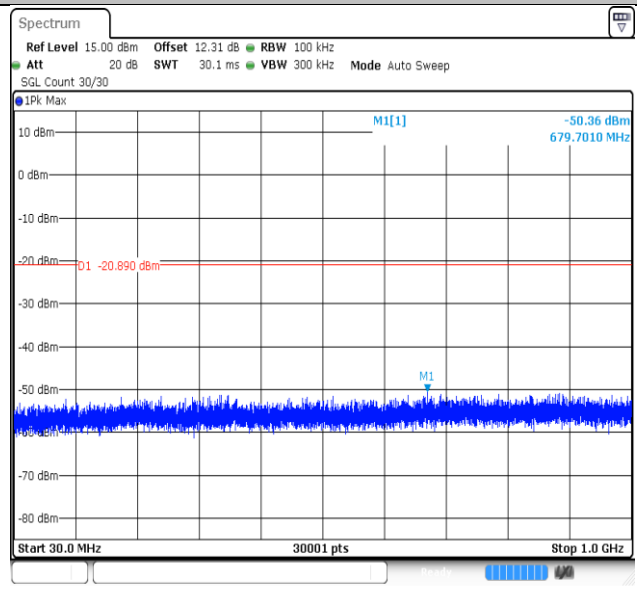
Date: 31.OCT.2025 08:18:22

DH5-2480-1000~26500-PASS



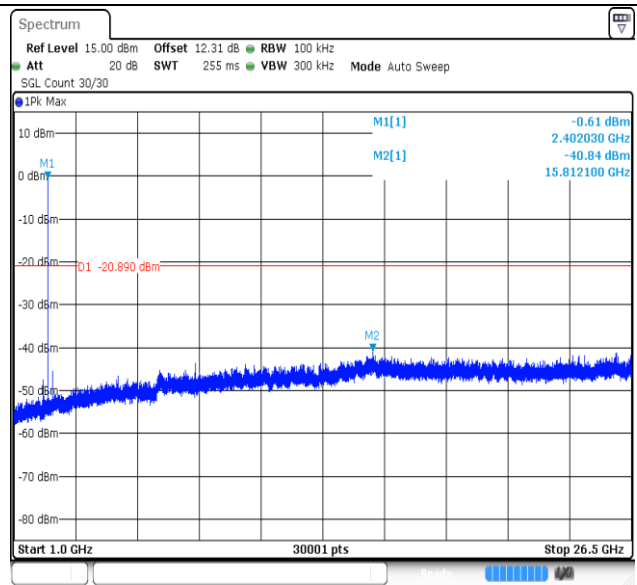
Date: 31.OCT.2025 08:19:51

2DH5-2402-0~Reference-PASS



Date: 31.OCT.2025 08:19:56

2DH5-2402-30~1000-PASS



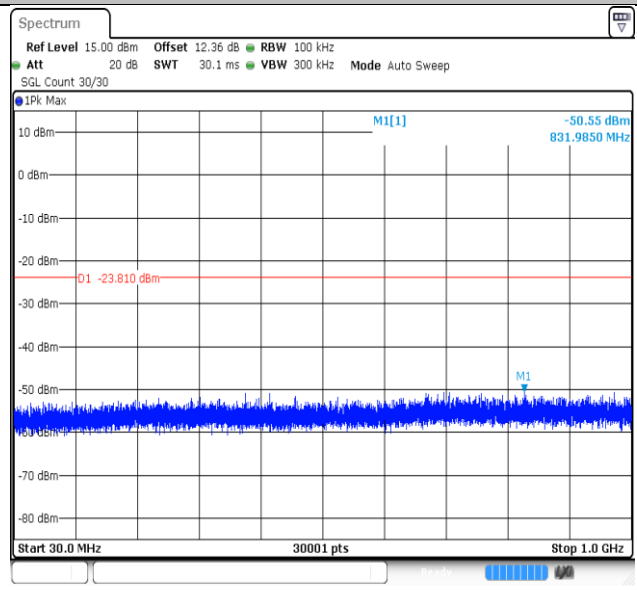
Date: 31.OCT.2025 08:20:23

2DH5-2402-1000~26500-PASS



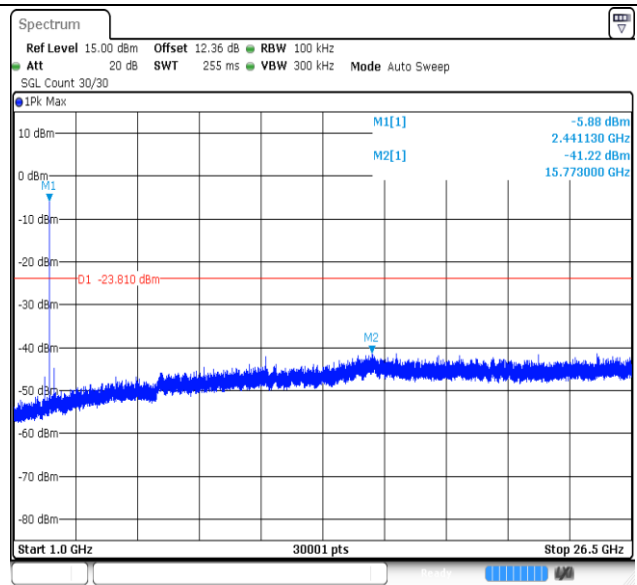
Date: 31.OCT.2025 08:21:50

2DH5-2441-0~Reference-PASS



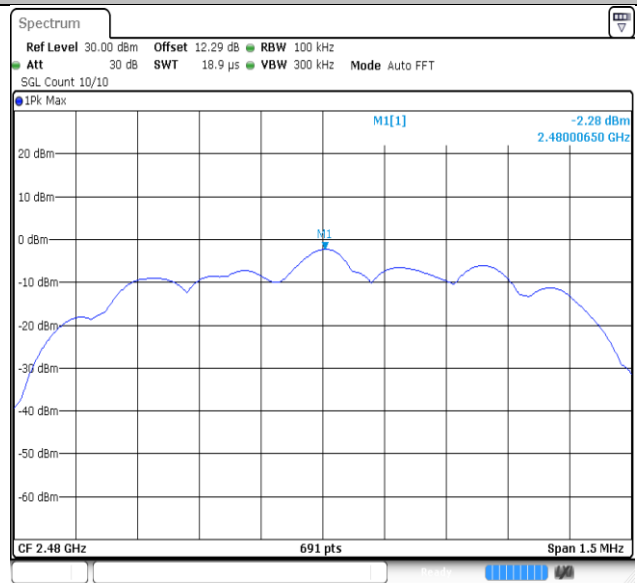
Date: 31.OCT.2025 08:21:56

2DH5-2441-30~1000-PASS



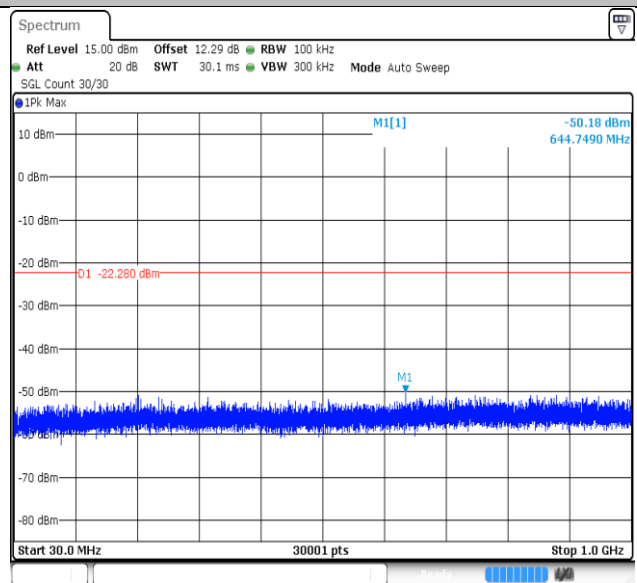
Date: 31.OCT.2025 08:22:23

2DH5-2441-1000~26500-PASS



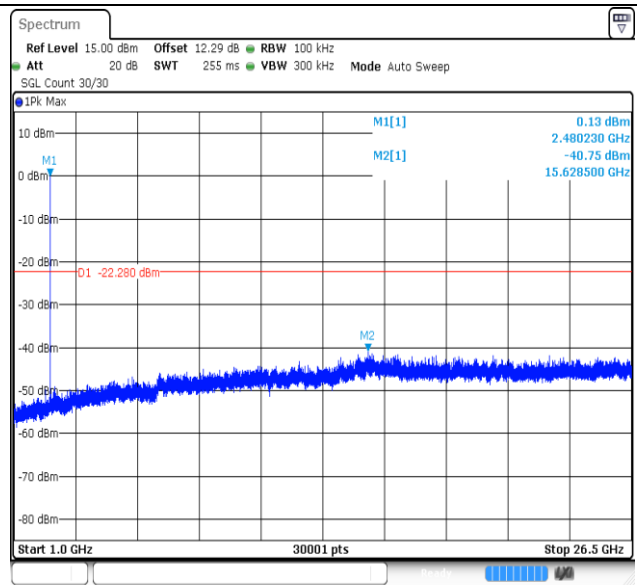
Date: 31.OCT.2025 08:23:28

2DH5-2480-0~Reference-PASS



Date: 31.OCT.2025 08:23:33

2DH5-2480-30~1000-PASS



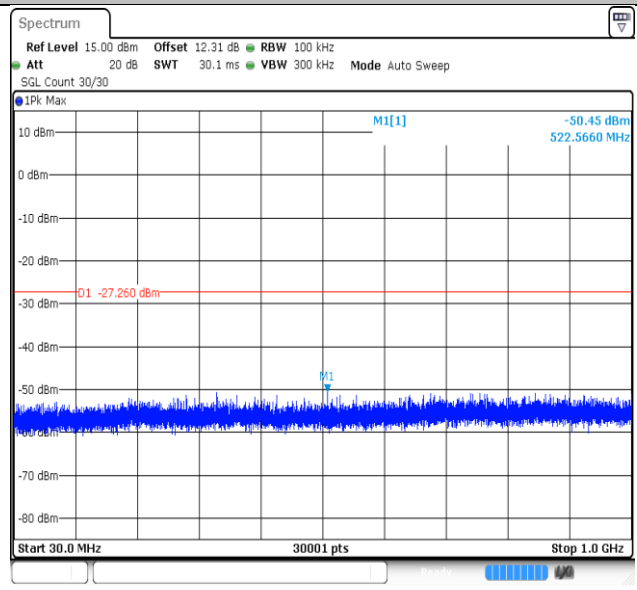
Date: 31.OCT.2025 08:24:00

2DH5-2480-1000~26500-PASS



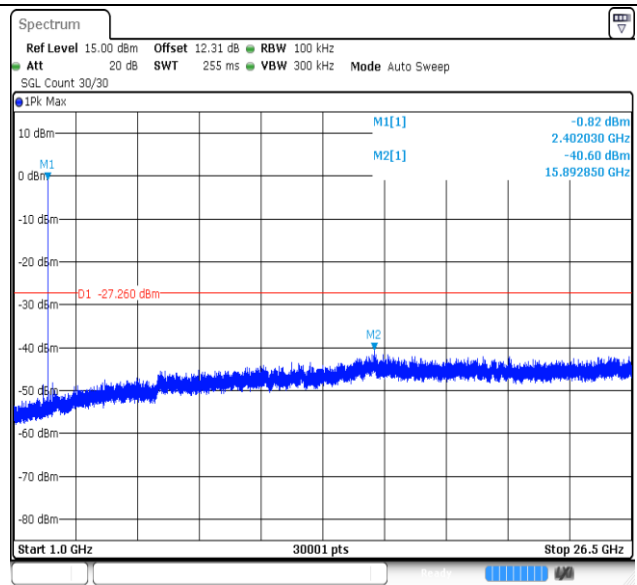
Date: 31.OCT.2025 08:26:58

3DH5-2402-0~Reference-PASS



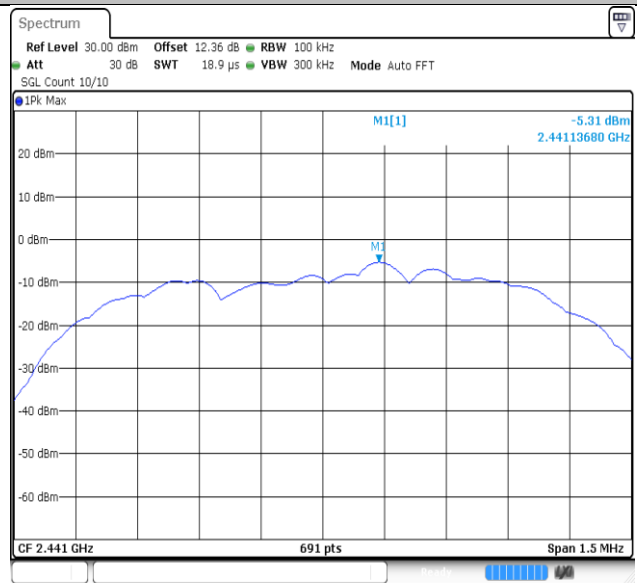
Date: 31.OCT.2025 08:27:03

3DH5-2402-30~1000-PASS



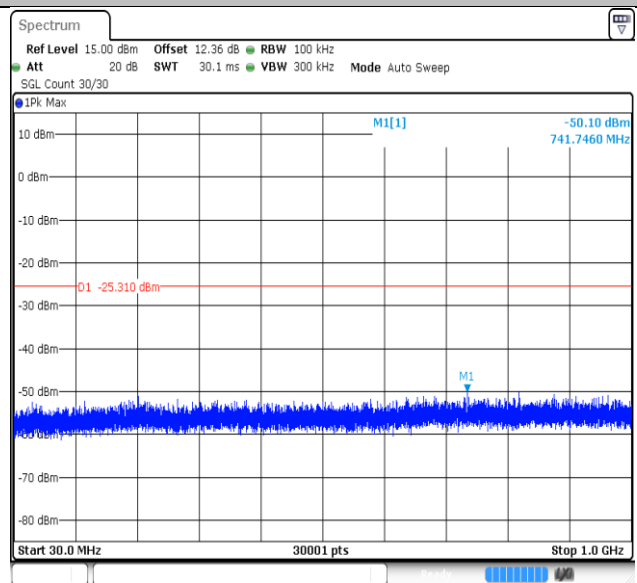
Date: 31.OCT.2025 08:27:31

3DH5-2402-1000~26500-PASS



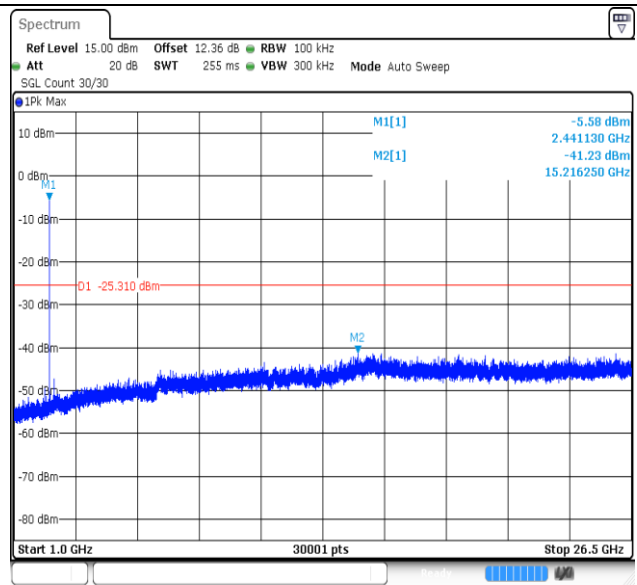
Date: 31.OCT.2025 08:28:29

3DH5-2441-0~Reference-PASS



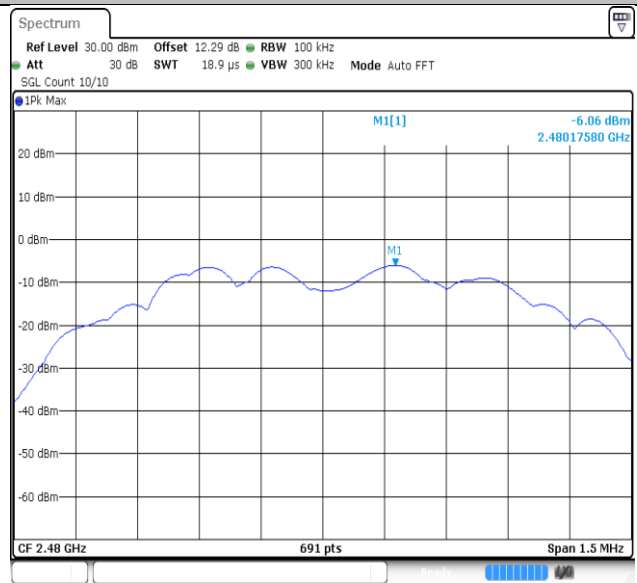
Date: 31.OCT.2025 08:28:34

3DH5-2441-30~1000-PASS



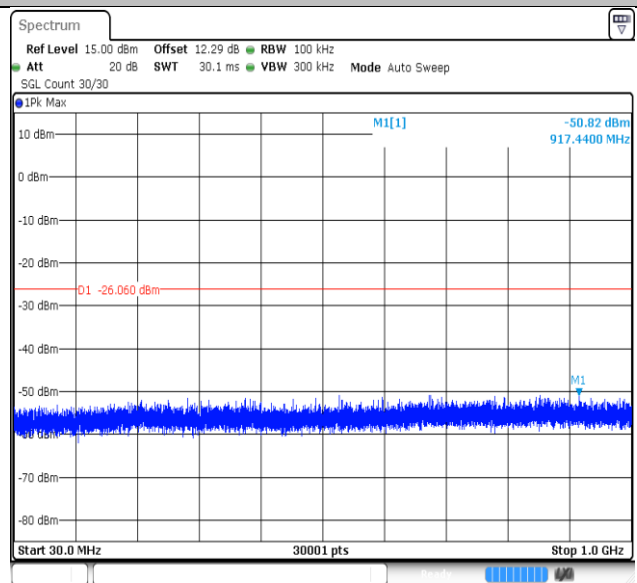
Date: 31.OCT.2025 08:29:02

3DH5-2441-1000~26500-PASS



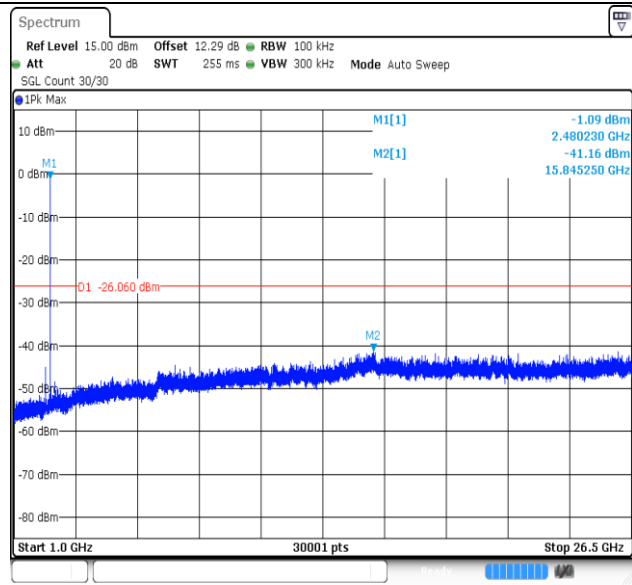
Date: 31.OCT.2025 08:30:19

3DH5-2480-0~Reference-PASS



Date: 31.OCT.2025 08:30:24

3DH5-2480-30~1000-PASS



3DH5-2480-1000~26500-PASS

-----End of Report-----