Appendix Test Data

Report No.:	182512C400028101	Test Sample No.:	1-2-2
Start Test Date:	2024.7.19	Finish Test Date:	2024.7.19
Test Engineer:	Joker Huang	Auditor:	Justin Feng
Temperature:	25.5℃	Relative Humidity:	47%
Pressure:	101kPa		

Appendix A: 20dB Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.951	2401.517	2402.468	---	---
DH5	Ant1	2441	0.975	2440.514	2441.489	---	---
DH5	Ant1	2480	0.963	2479.520	2480.483	---	---
2DH5	Ant1	2402	1.533	2401.229	2402.762	---	---
2DH5	Ant1	2441	1.500	2440.256	2441.756	---	---
2DH5	Ant1	2480	1.521	2479.232	2480.753	---	---
3DH5	Ant1	2402	1.476	2401.268	2402.744	---	---
3DH5	Ant1	2441	1.545	2440.214	2441.759	---	---
3DH5	Ant1	2480	1.470	2479.262	2480.732	---	---

Test Graphs

DH5-Ant1-2402

DH5-Ant1-2441

DH5-Ant1-2480

2DH5-Ant1-2402

2DH5-Ant1-2441

2DH5-Ant1-2480

3DH5-Ant1-2402

3DH5-Ant1-2441

3DH5-Ant1-2480

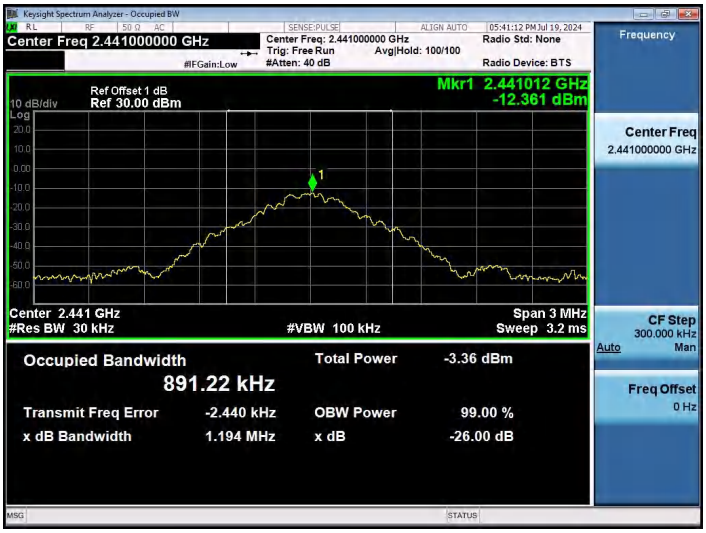
Appendix B: 99% Occupied Bandwidth

Test Result

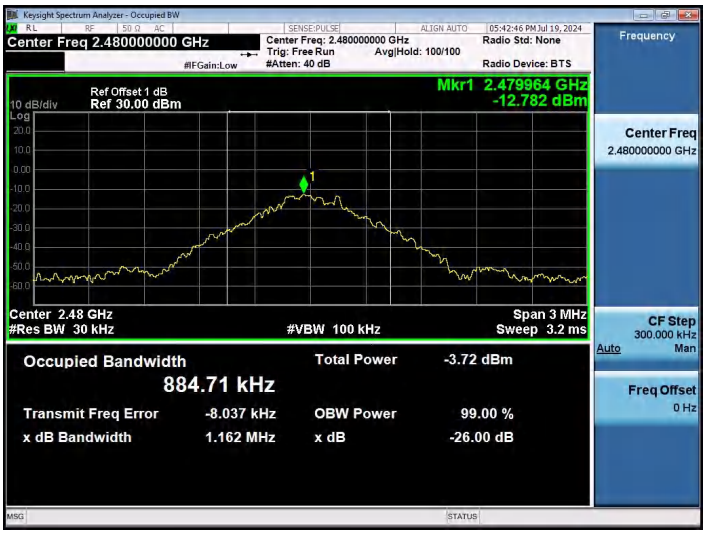
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.88674	2401.5491	2402.4359	---	---
DH5	Ant1	2441	0.89122	2440.5520	2441.4432	---	---
DH5	Ant1	2480	0.88471	2479.5496	2480.4343	---	---
2DH5	Ant1	2402	1.3700	2401.3068	2402.6768	---	---
2DH5	Ant1	2441	1.3796	2440.3019	2441.6815	---	---
2DH5	Ant1	2480	1.3631	2479.3093	2480.6724	---	---
3DH5	Ant1	2402	1.3674	2401.3128	2402.6802	---	---
3DH5	Ant1	2441	1.3643	2440.3112	2441.6755	---	---
3DH5	Ant1	2480	1.3693	2479.3058	2480.6751	---	---

Test Graphs

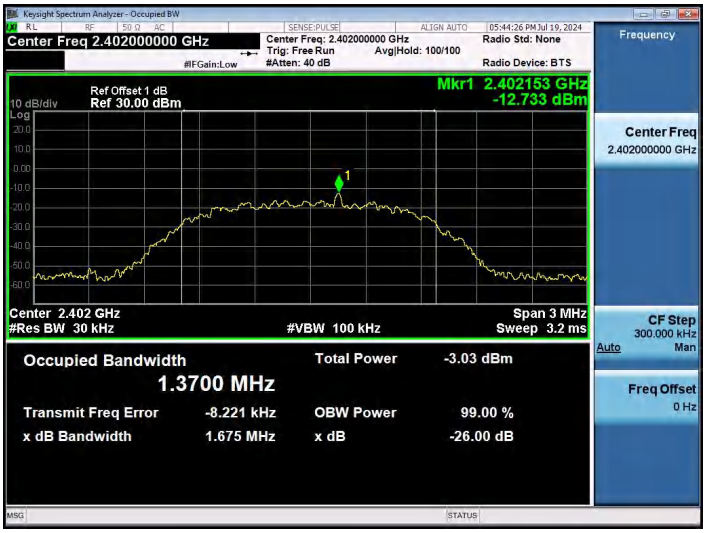
DH5-Ant1-2402



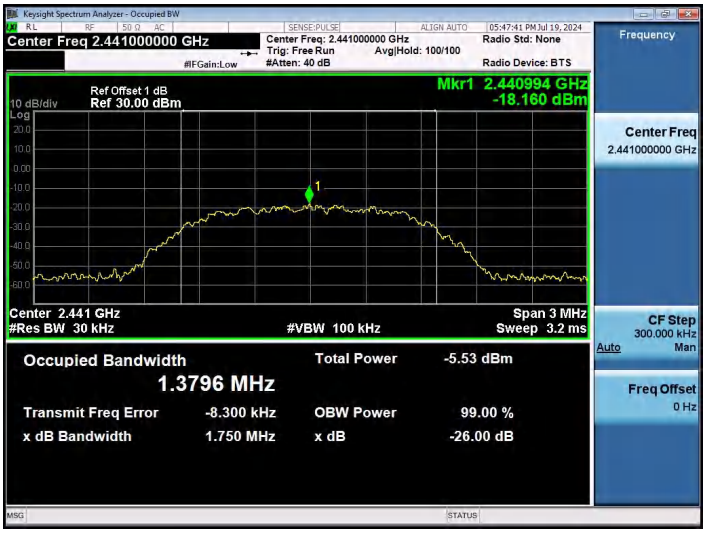
DH5-Ant1-2441



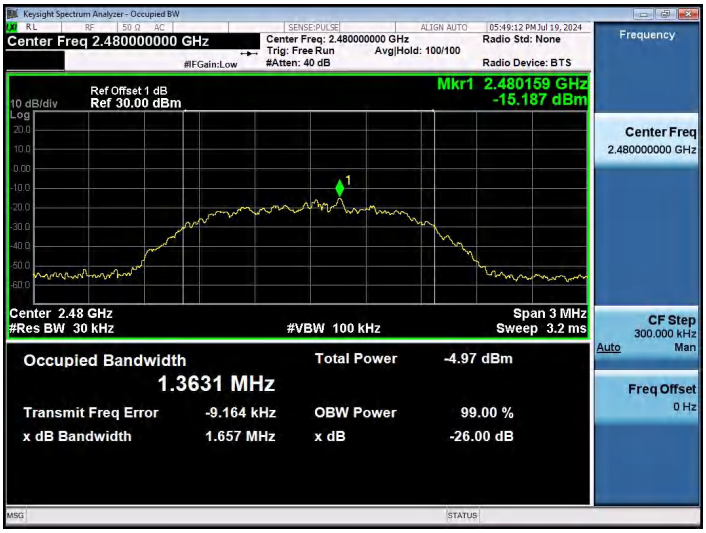
DH5-Ant1-2480



2DH5-Ant1-2402

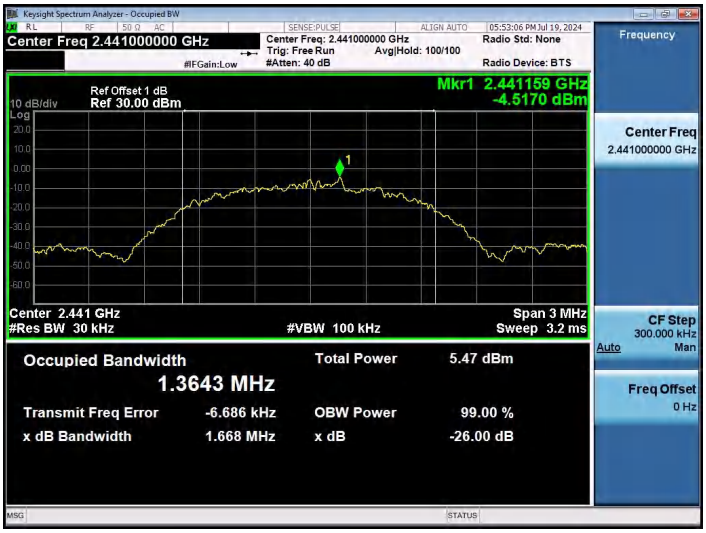


2DH5-Ant1-2441

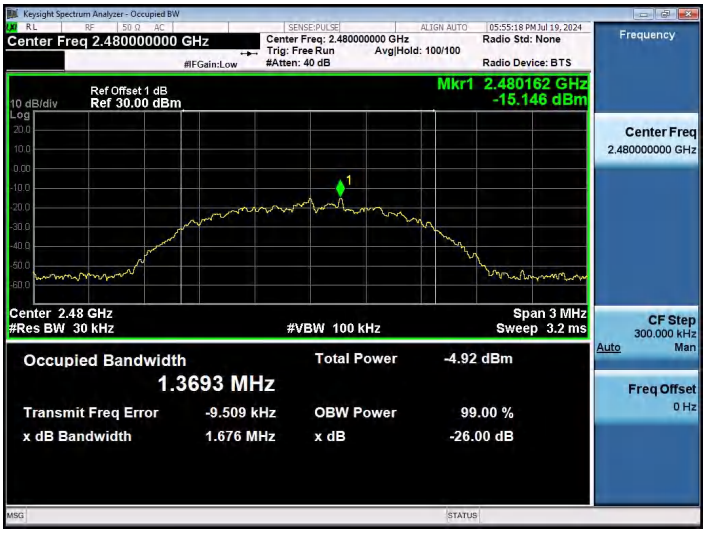


2DH5-Ant1-2480

3DH5-Ant1-2402



3DH5-Ant1-2441



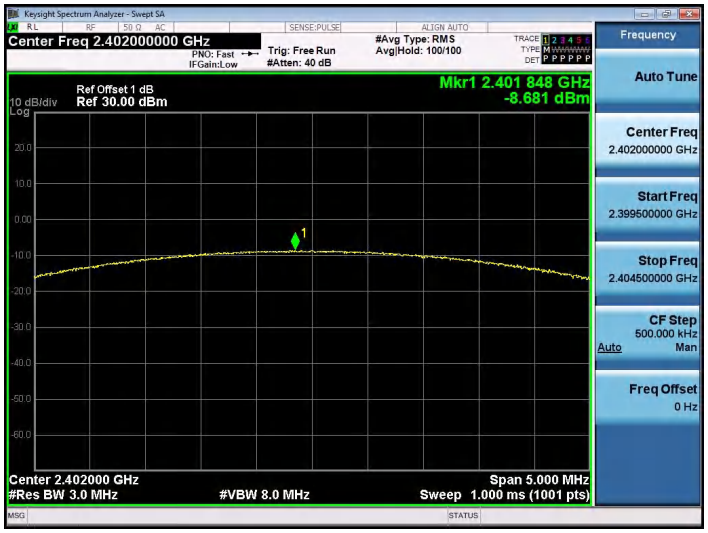
3DH5-Ant1-2480

Appendix C: Maximum Conducted Output Power

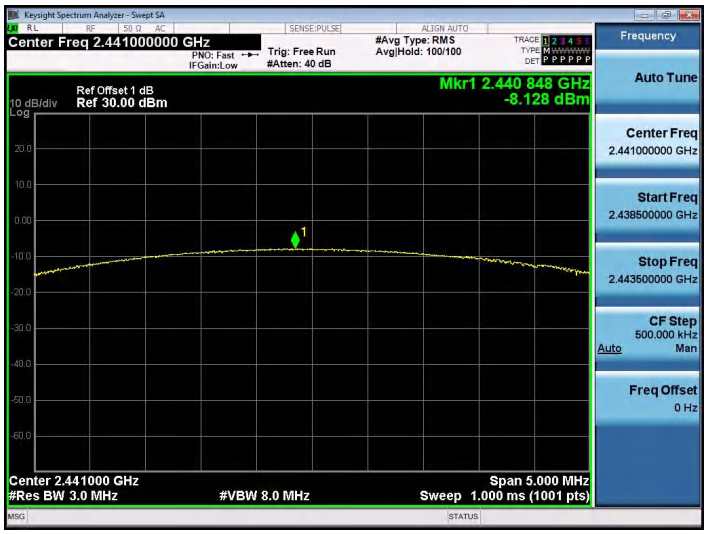
Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	-8.68	≤20.97	PASS
		2441	**-8.13**	≤20.97	PASS
		2480	-9.00	≤20.97	PASS
2DH5	Ant1	2402	-9.24	≤20.97	PASS
		2441	-9.61	≤20.97	PASS
		2480	-9.50	≤20.97	PASS
3DH5	Ant1	2402	-9.03	≤20.97	PASS
		2441	-9.51	≤20.97	PASS
		2480	-9.43	≤20.97	PASS

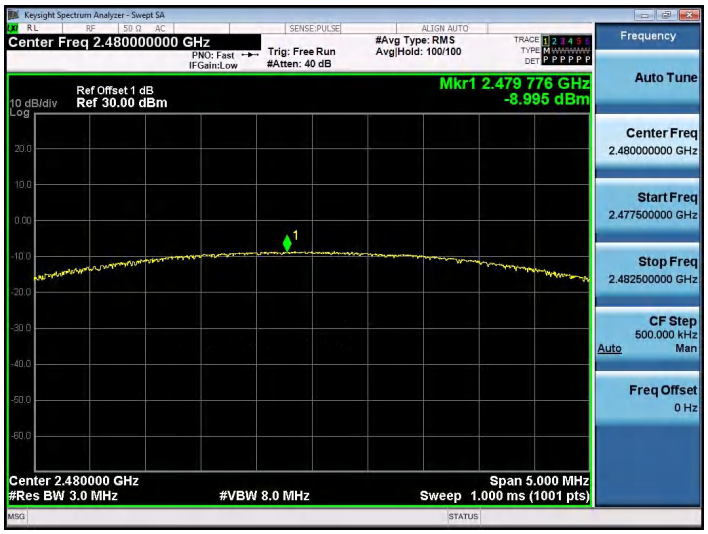
Test Graphs



DH5-Ant1-2402-PASS



DH5-Ant1-2441-PASS



DH5-Ant1-2480-PASS

2DH5-Ant1-2402-PASS

2DH5-Ant1-2441-PASS

2DH5-Ant1-2480-PASS

3DH5-Ant1-2402-PASS

3DH5-Ant1-2441-PASS

3DH5-Ant1-2480-PASS

Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.706	≥0.650	PASS
2DH5	Ant1	Hop	1.262	≥1.022	PASS
3DH5	Ant1	Hop	1.048	≥1.030	PASS

Test Graphs

DH5-Ant1-Hop-PASS

2DH5-Ant1-Hop-PASS

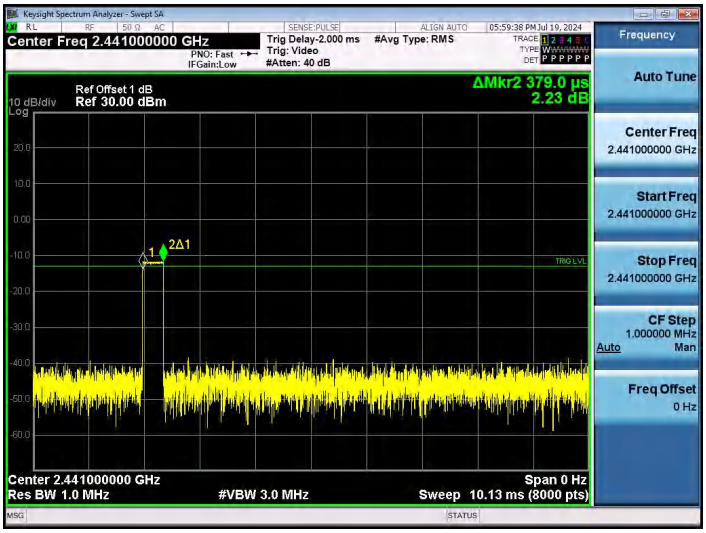
3DH5-Ant1-Hop-PASS

Appendix E: Dwell Time

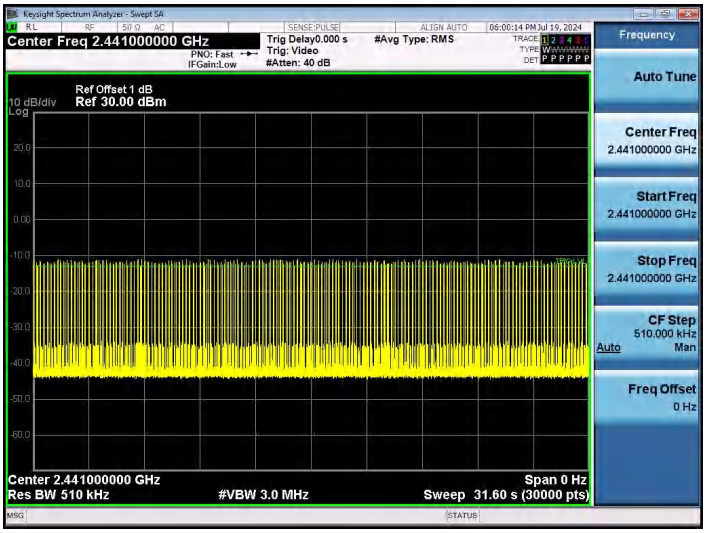
Test Result

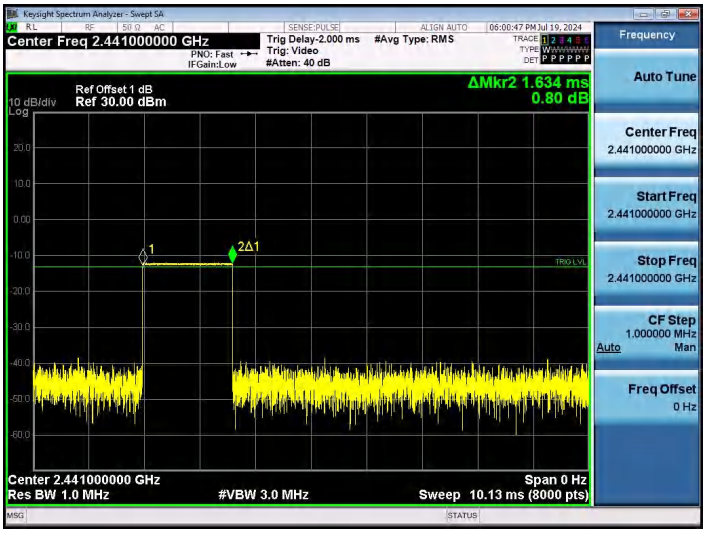
TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.379	317	0.12	≤0.4	PASS
DH3	Ant1	Hop	1.634	163	0.266	≤0.4	PASS
DH5	Ant1	Hop	2.883	103	0.297	≤0.4	PASS
2DH1	Ant1	Hop	0.388	317	0.123	≤0.4	PASS
2DH3	Ant1	Hop	1.639	156	0.256	≤0.4	PASS
2DH5	Ant1	Hop	2.888	113	0.326	≤0.4	PASS
3DH1	Ant1	Hop	0.388	318	0.123	≤0.4	PASS
3DH3	Ant1	Hop	1.639	157	0.257	≤0.4	PASS
3DH5	Ant1	Hop	2.889	109	0.315	≤0.4	PASS

Test Graphs

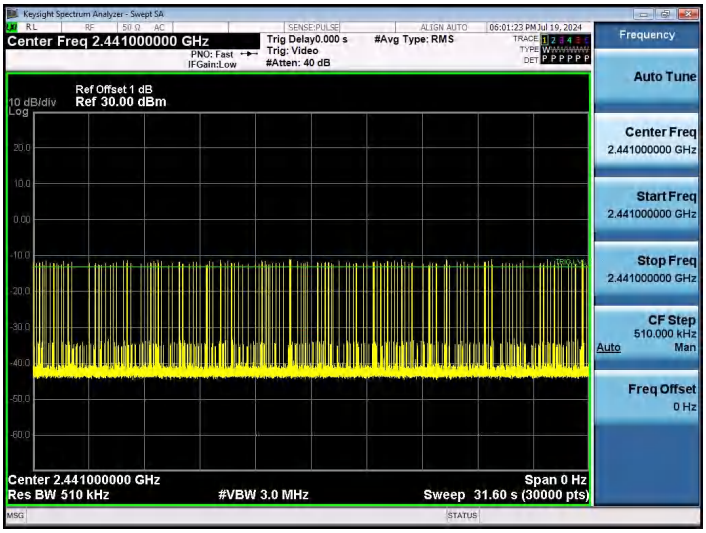


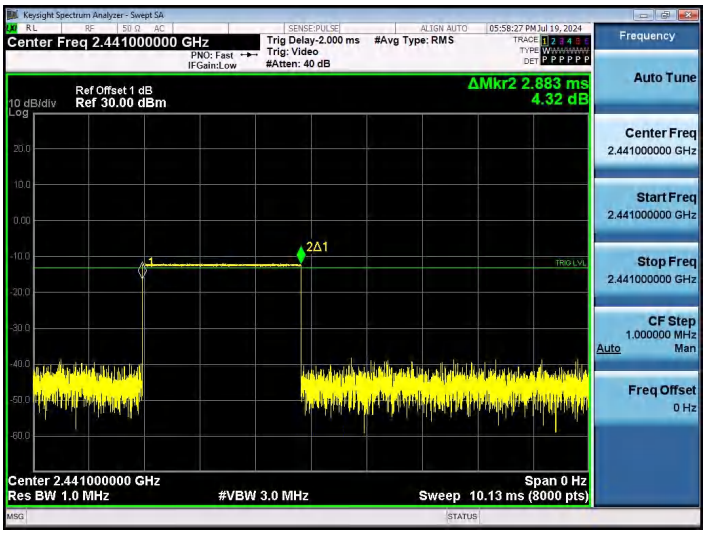
DH1-Ant1-Hop-PASS



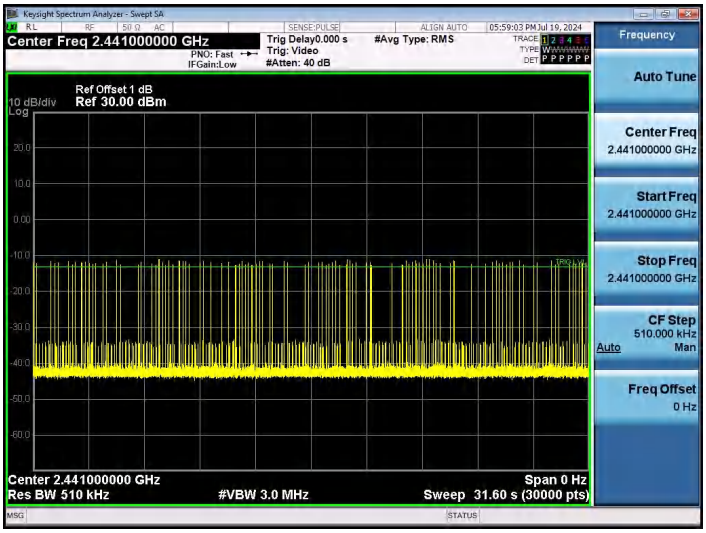


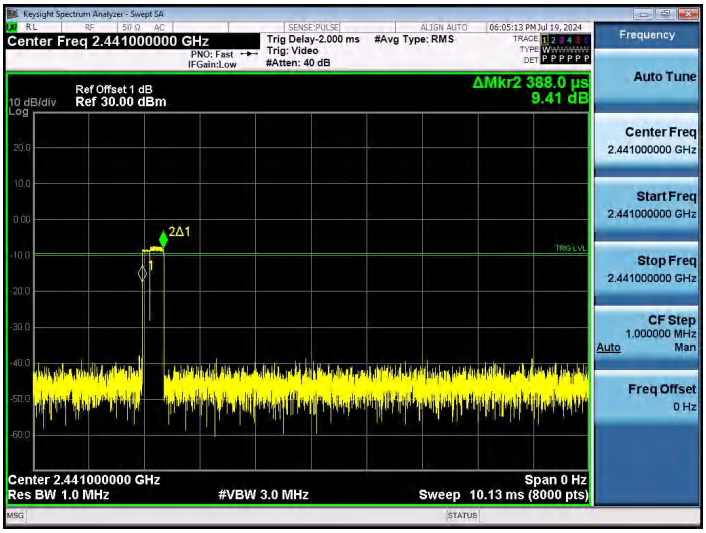
DH3-Ant1-Hop-PASS



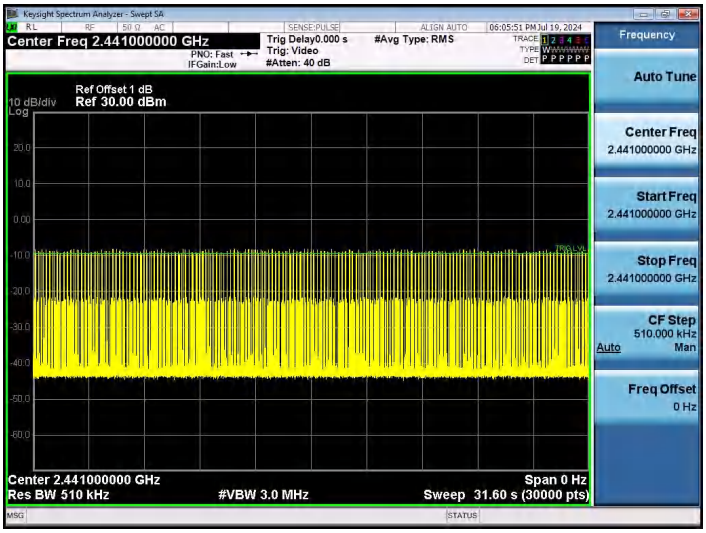


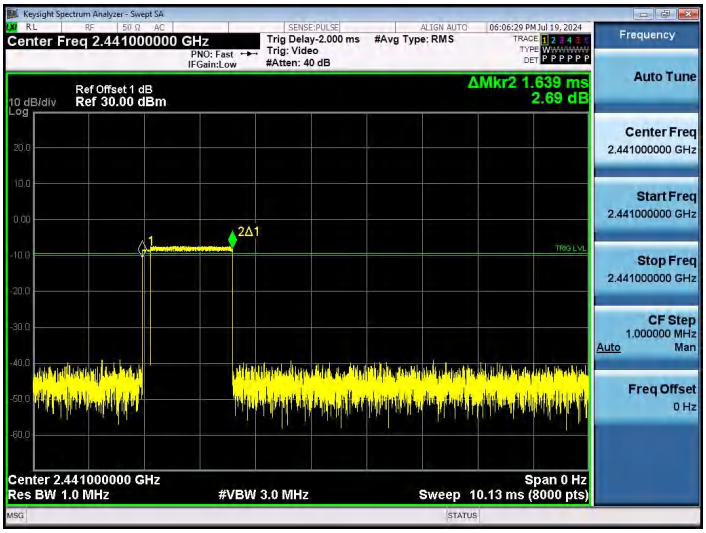
DH5-Ant1-Hop-PASS



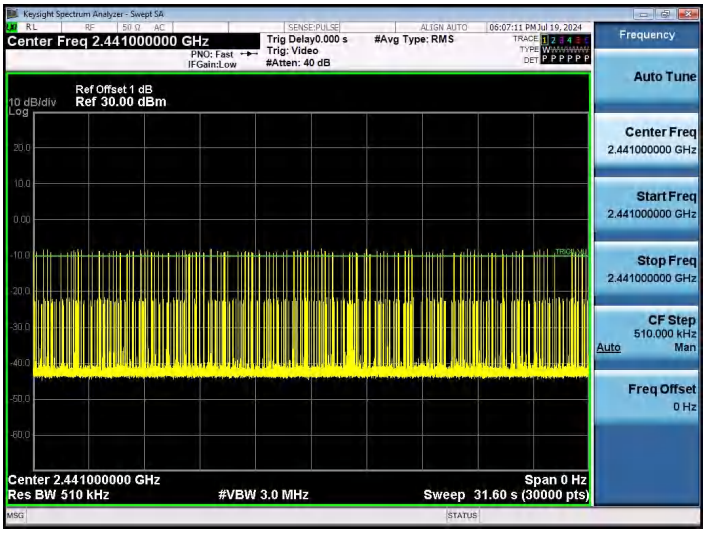


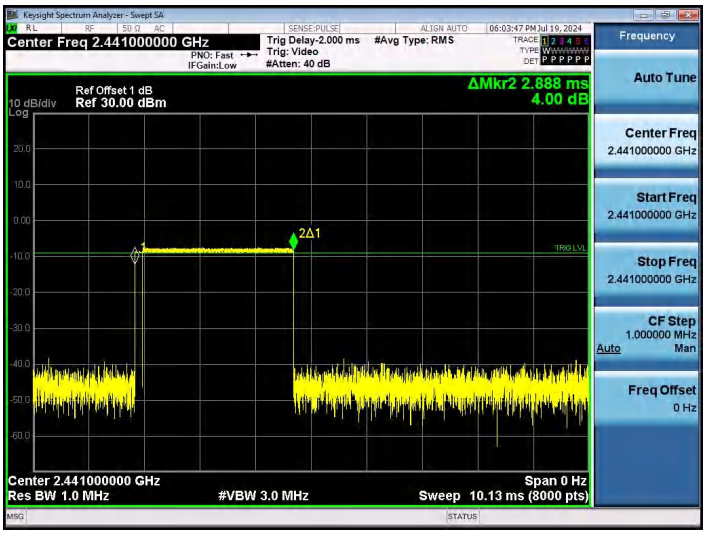
2DH1-Ant1-Hop-PASS



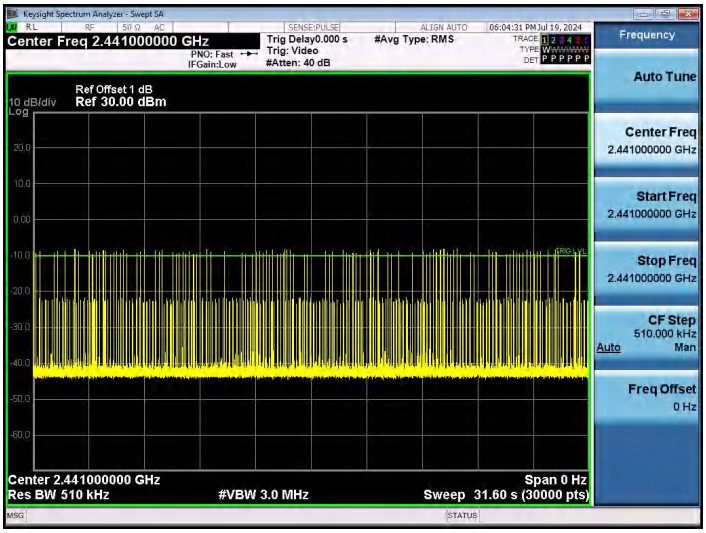


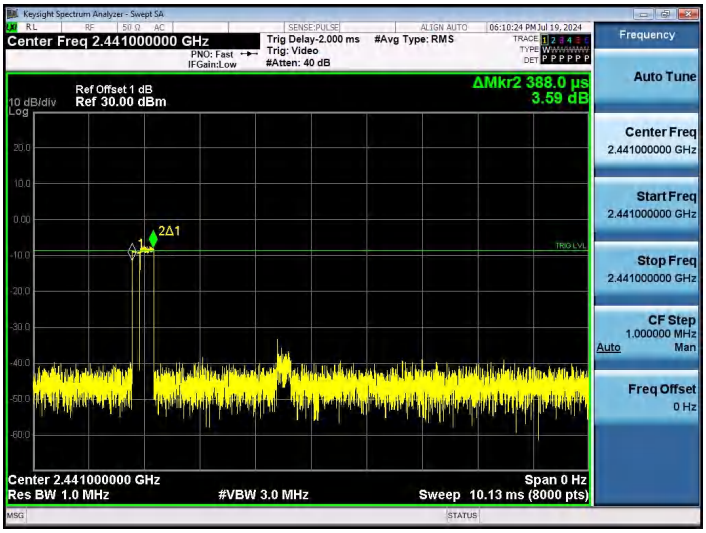
2DH3-Ant1-Hop-PASS



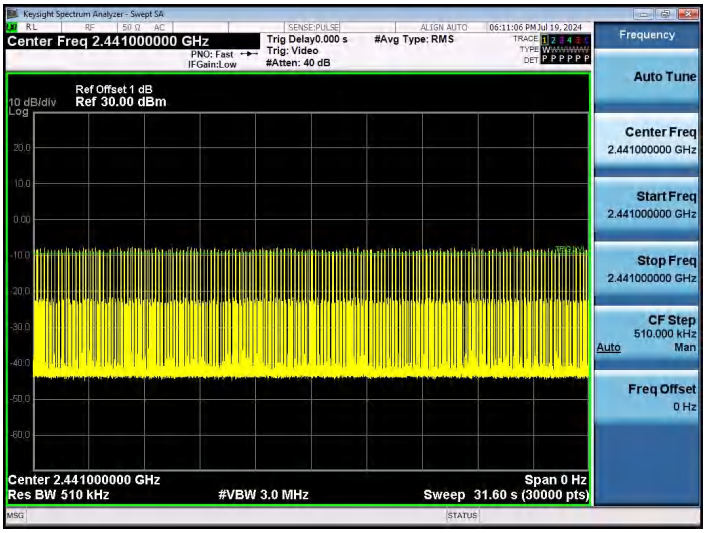


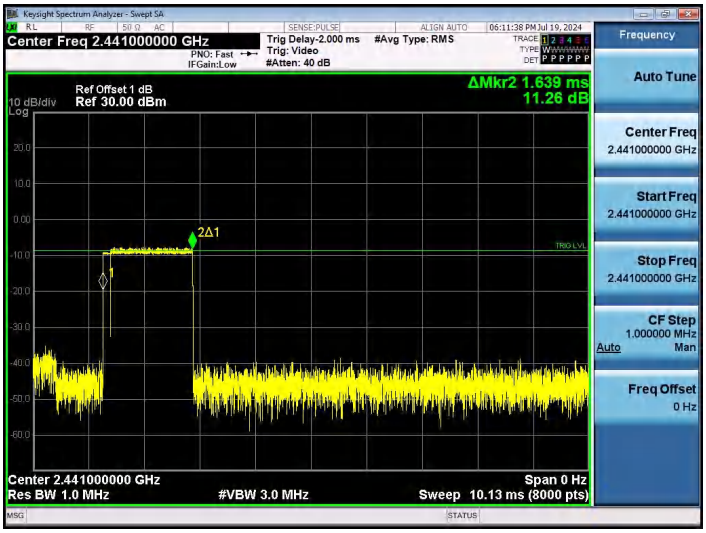
2DH5-Ant1-Hop-PASS



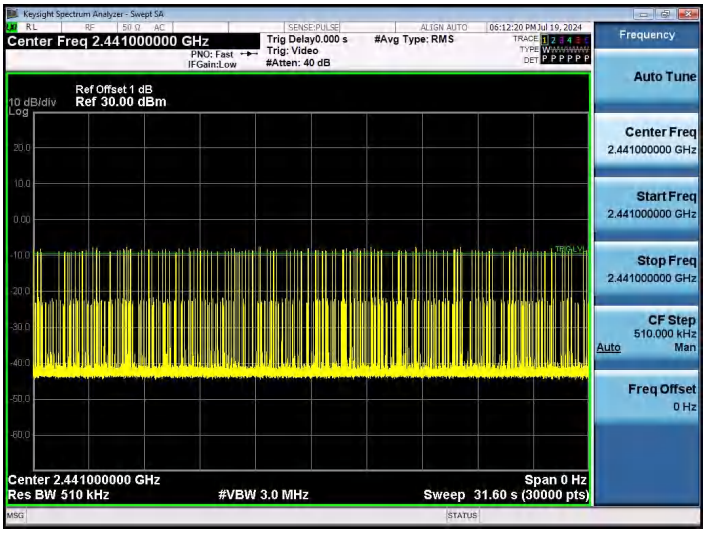


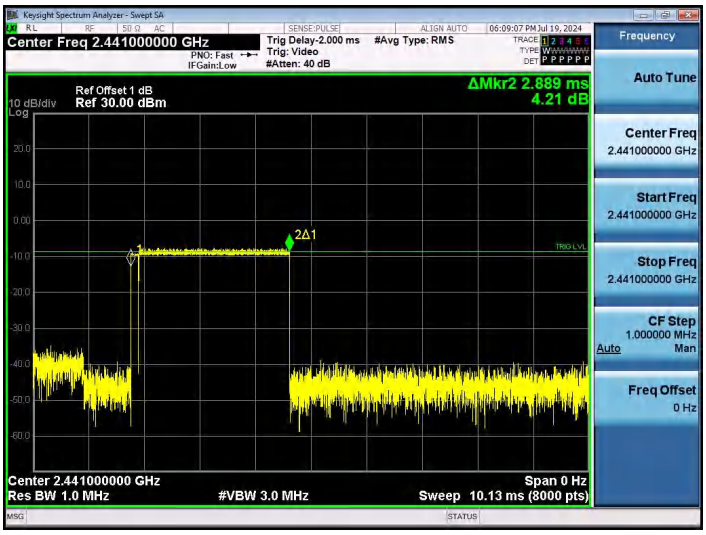
3DH1-Ant1-Hop-PASS



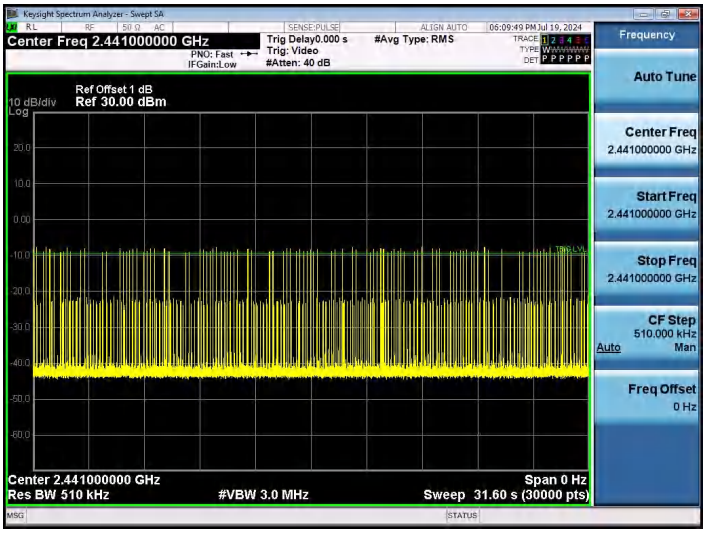


3DH3-Ant1-Hop-PASS





3DH5-Ant1-Hop-PASS

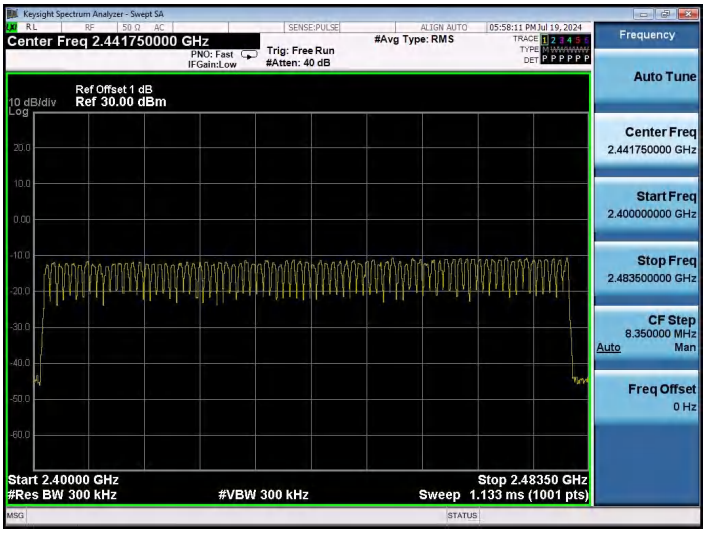


Appendix F: Number of Hopping Channel

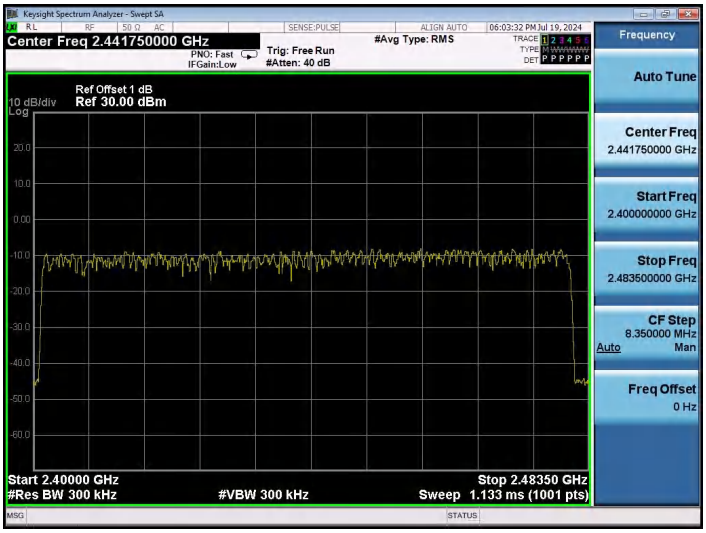
Test Result

TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

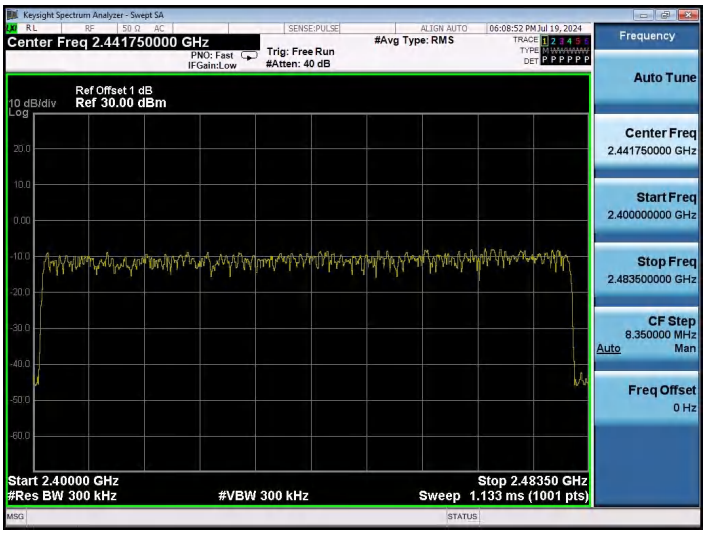
Test Graphs



DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



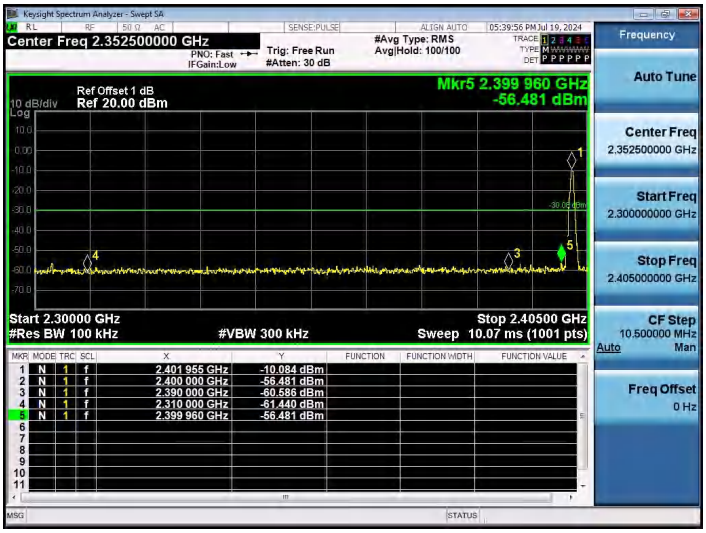
3DH5-Ant1-Hop-PASS

Appendix G: Conducted Band edge

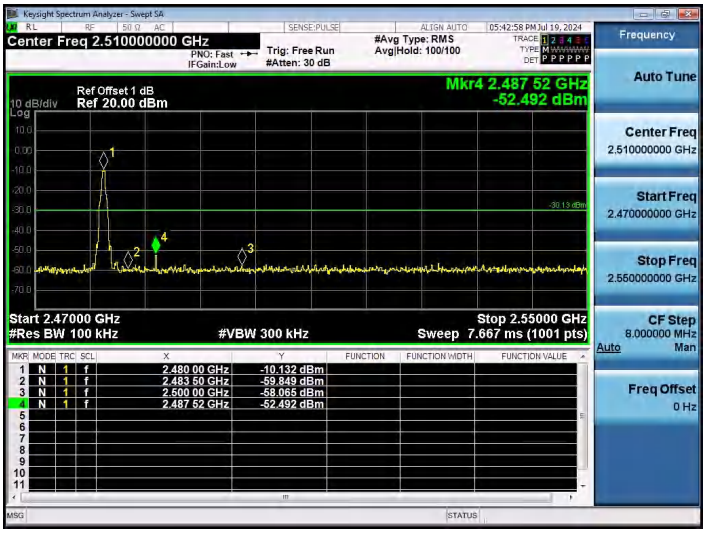
Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-10.08	-56.48	≤-30.08	PASS
DH5	Ant1	High	2480	-10.13	-52.49	≤-30.13	PASS
DH5	Ant1	Low	Hop_2402	-12.69	-56.06	≤-32.69	PASS
DH5	Ant1	High	Hop_2480	-11.45	-48.75	≤-31.45	PASS
2DH5	Ant1	Low	2402	-12.41	-57.15	≤-32.41	PASS
2DH5	Ant1	High	2480	-12.49	-52.03	≤-32.49	PASS
2DH5	Ant1	Low	Hop_2402	-11.97	-56.47	≤-31.97	PASS
2DH5	Ant1	High	Hop_2480	-9.69	-48.5	≤-29.69	PASS
3DH5	Ant1	Low	2402	-13.00	-57.24	≤-33	PASS
3DH5	Ant1	High	2480	-10.51	-57.23	≤-30.51	PASS
3DH5	Ant1	Low	Hop_2402	-11.69	-56.84	≤-31.69	PASS
3DH5	Ant1	High	Hop_2480	-9.35	-50.17	≤-29.35	PASS

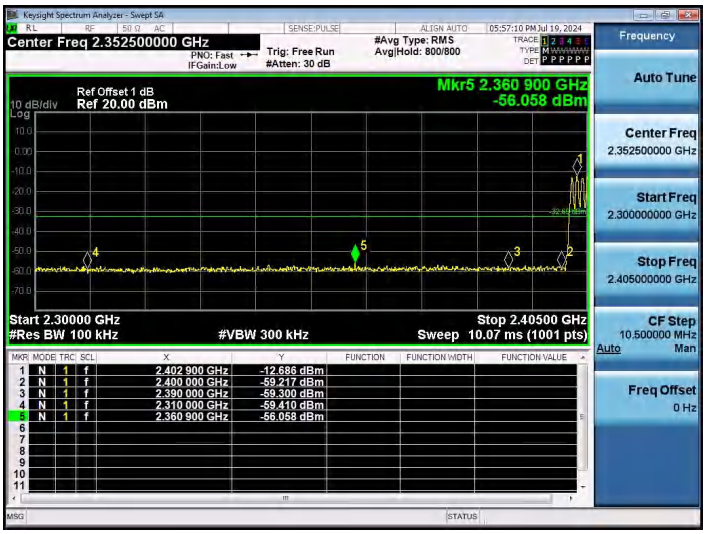
Test Graphs



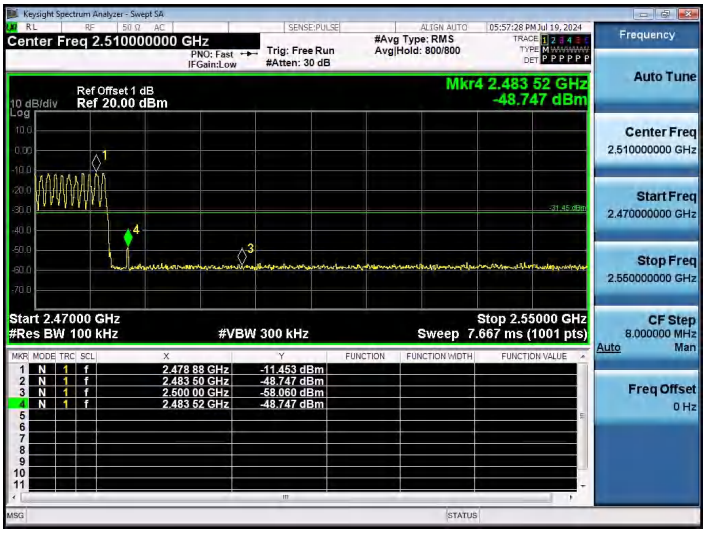
DH5-Ant1-2402-PASS



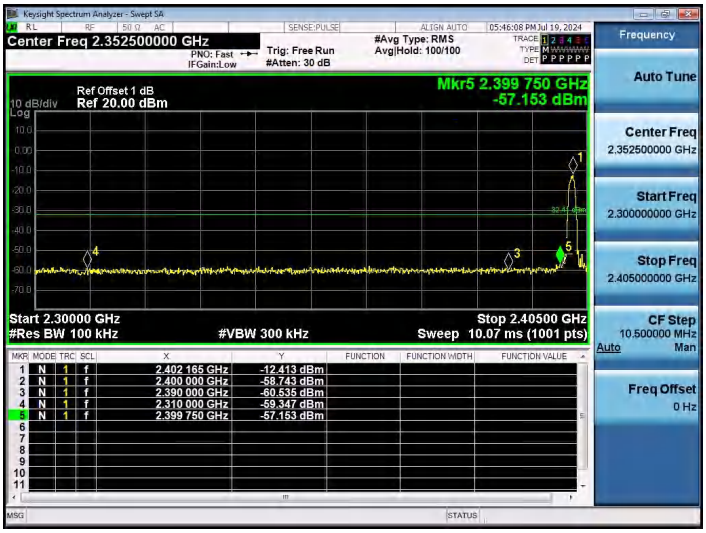
DH5-Ant1-2480-PASS



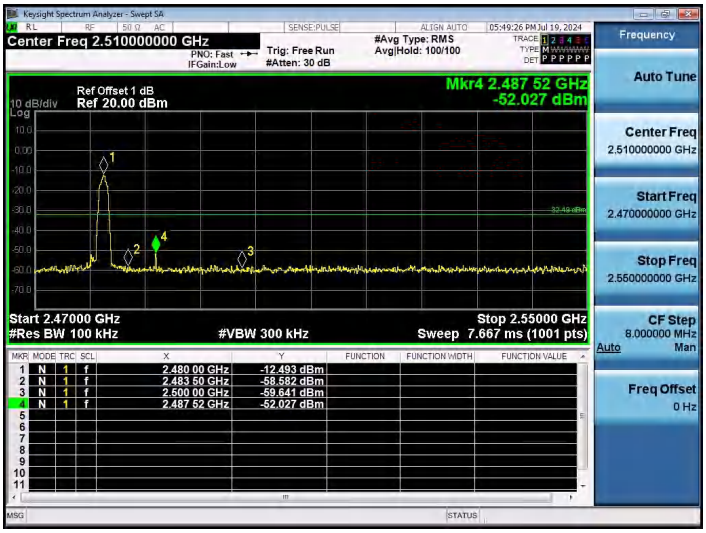
DH5-Ant1-Hop_2402-PASS



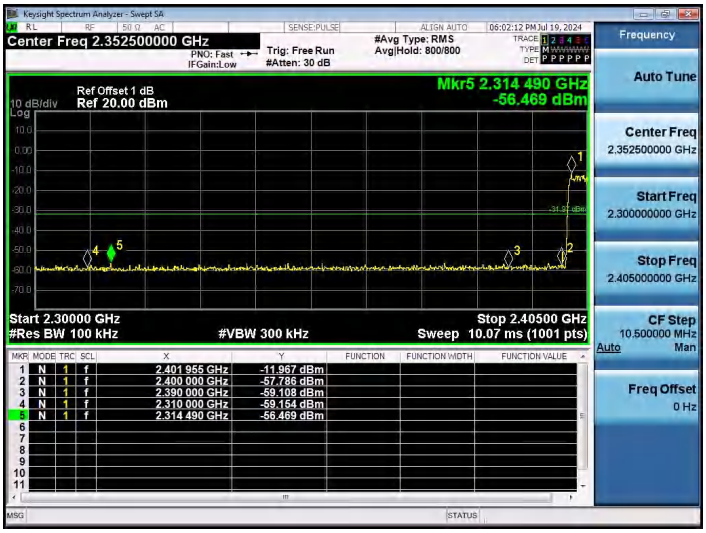
DH5-Ant1-Hop_2480-PASS



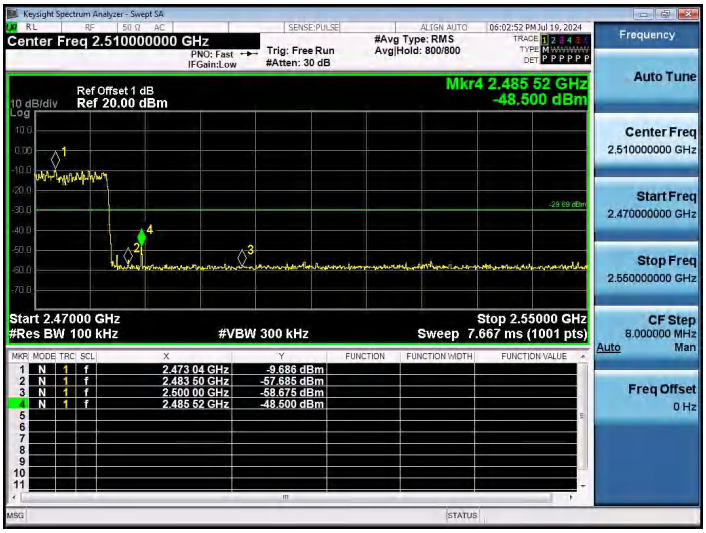
2DH5-Ant1-2402-PASS



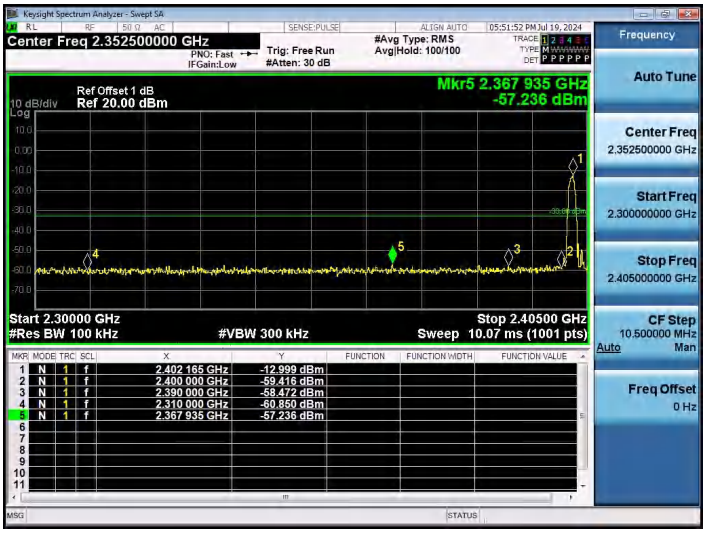
2DH5-Ant1-2480-PASS



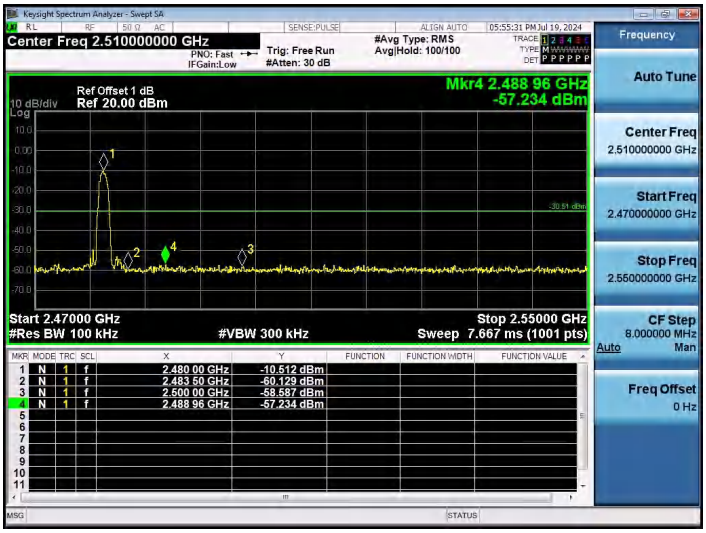
2DH5-Ant1-Hop_2402-PASS



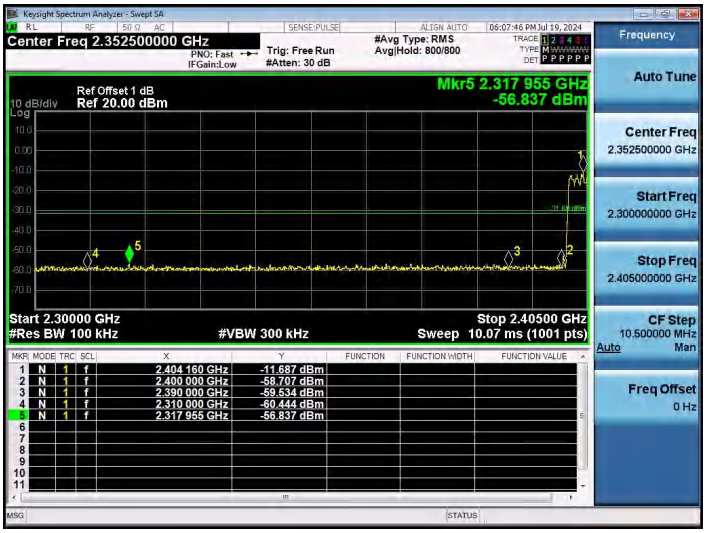
2DH5-Ant1-Hop_2480-PASS



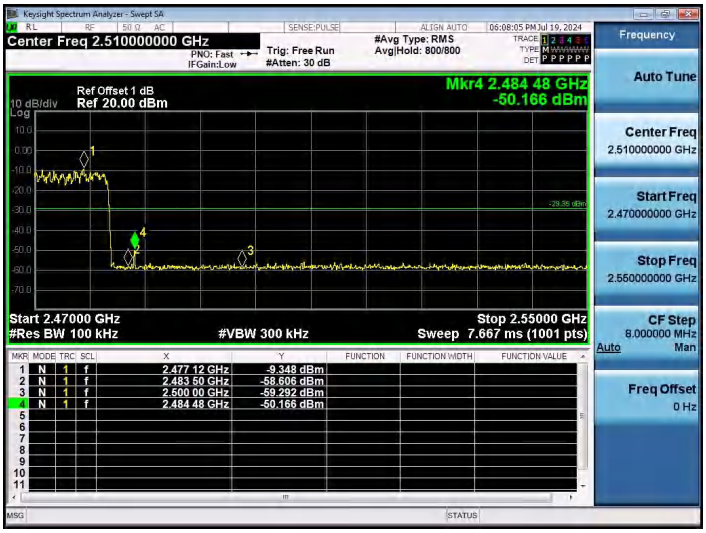
3DH5-Ant1-2402-PASS



3DH5-Ant1-2480-PASS



3DH5-Ant1-Hop_2402-PASS



3DH5-Ant1-Hop_2480-PASS

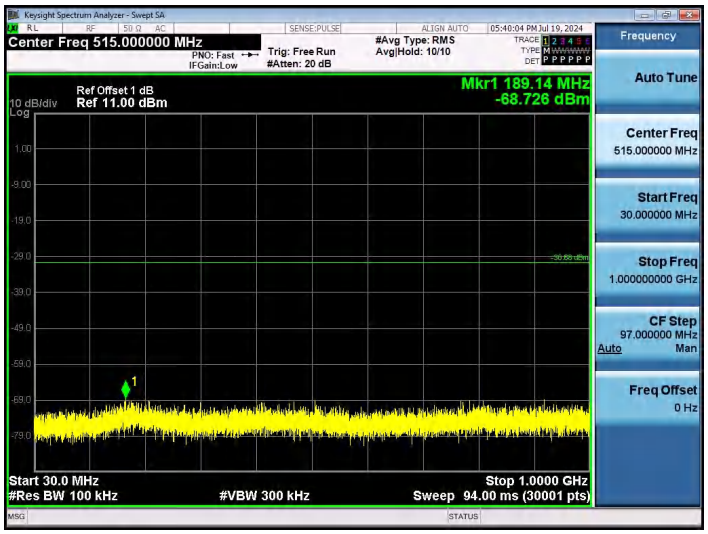
Appendix H: Conducted Spurious Emission

Test Result

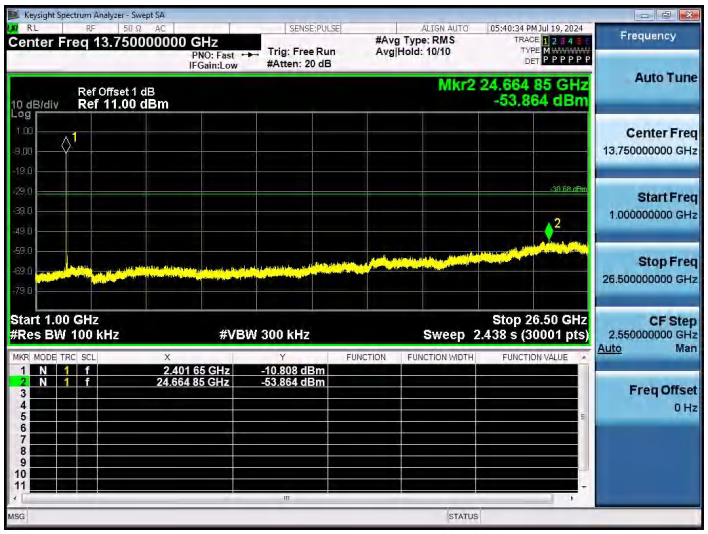
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-10.68	-10.68	---	PASS
DH5	Ant1	2402	30~1000	-10.68	-68.73	≤-30.68	PASS
DH5	Ant1	2402	1000~26500	-10.68	-53.86	≤-30.68	PASS
DH5	Ant1	2441	0~Reference	-10.29	-10.29	---	PASS
DH5	Ant1	2441	30~1000	-10.29	-68.39	≤-30.29	PASS
DH5	Ant1	2441	1000~26500	-10.29	-53.38	≤-30.29	PASS
DH5	Ant1	2480	0~Reference	-10.89	-10.89	---	PASS
DH5	Ant1	2480	30~1000	-10.89	-68.73	≤-30.89	PASS
DH5	Ant1	2480	1000~26500	-10.89	-52.82	≤-30.89	PASS
2DH5	Ant1	2402	0~Reference	-12.70	-12.70	---	PASS
2DH5	Ant1	2402	30~1000	-12.70	-68.74	≤-32.7	PASS
2DH5	Ant1	2402	1000~26500	-12.70	-53.24	≤-32.7	PASS
2DH5	Ant1	2441	0~Reference	-13.13	-13.13	---	PASS
2DH5	Ant1	2441	30~1000	-13.13	-67.84	≤-33.13	PASS
2DH5	Ant1	2441	1000~26500	-13.13	-53.7	≤-33.13	PASS
2DH5	Ant1	2480	0~Reference	-14.44	-14.44	---	PASS
2DH5	Ant1	2480	30~1000	-14.44	-68.67	≤-34.44	PASS
2DH5	Ant1	2480	1000~26500	-14.44	-53.56	≤-34.44	PASS
3DH5	Ant1	2402	0~Reference	-12.66	-12.66	---	PASS
3DH5	Ant1	2402	30~1000	-12.66	-68.43	≤-32.66	PASS
3DH5	Ant1	2402	1000~26500	-12.66	-53.66	≤-32.66	PASS
3DH5	Ant1	2441	0~Reference	-13.14	-13.14	---	PASS
3DH5	Ant1	2441	30~1000	-13.14	-68.99	≤-33.14	PASS
3DH5	Ant1	2441	1000~26500	-13.14	-53.64	≤-33.14	PASS
3DH5	Ant1	2480	0~Reference	-11.46	-11.46	---	PASS
3DH5	Ant1	2480	30~1000	-11.46	-69.1	≤-31.46	PASS
3DH5	Ant1	2480	1000~26500	-11.46	-52.87	≤-31.46	PASS

Test Graphs

DH5-Ant1-2402-0~Reference-PASS

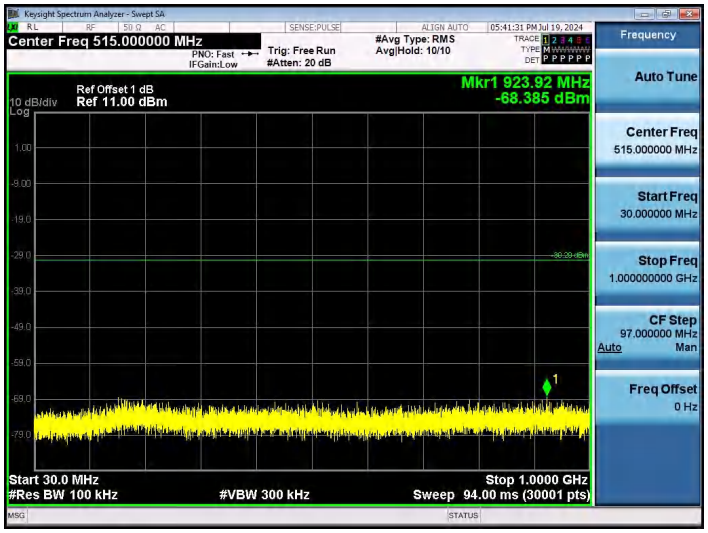


DH5-Ant1-2402-30~1000-PASS



DH5-Ant1-2402-1000~26500-PASS

DH5-Ant1-2441-0~Reference-PASS



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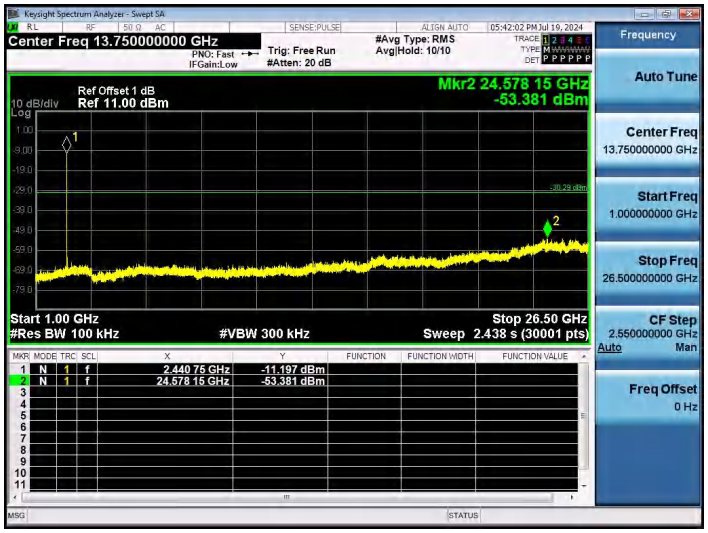
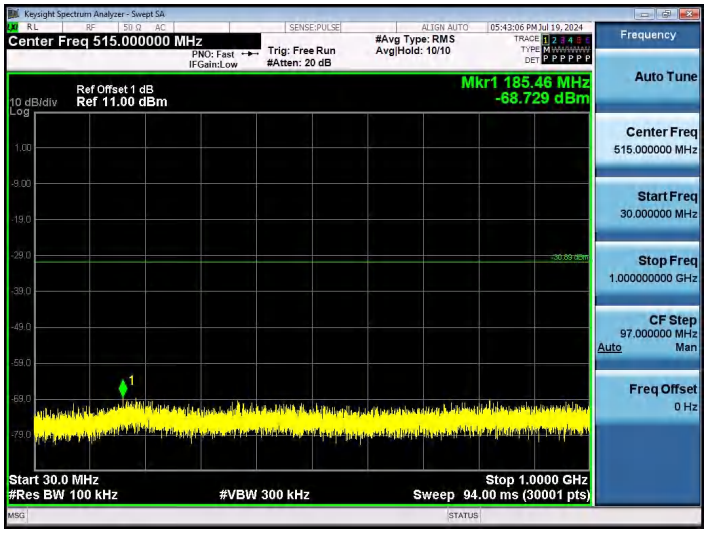
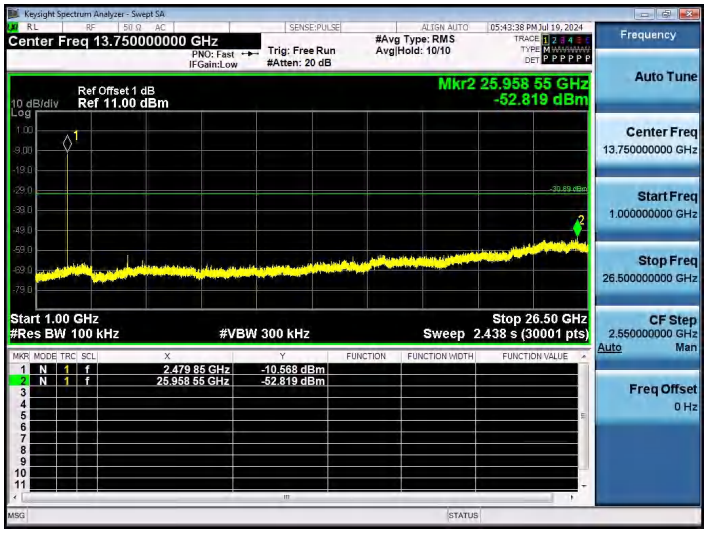


DH5-Ant1-2441-1000~26500-PASS

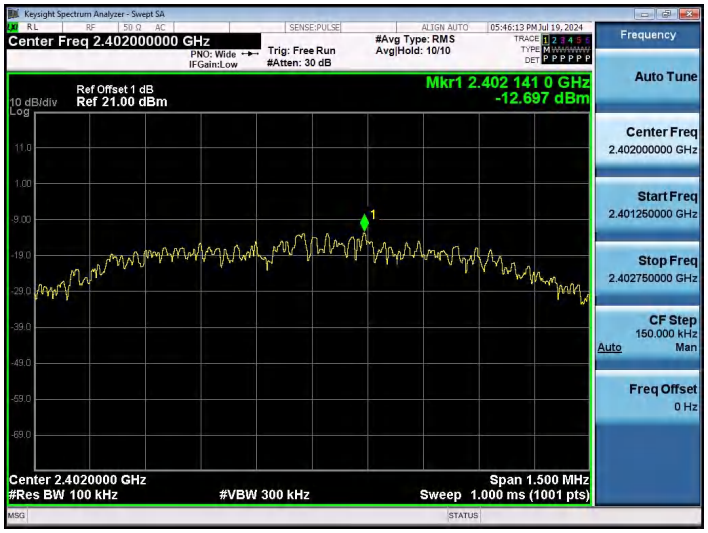
DH5-Ant1-2480-0~Reference-PASS



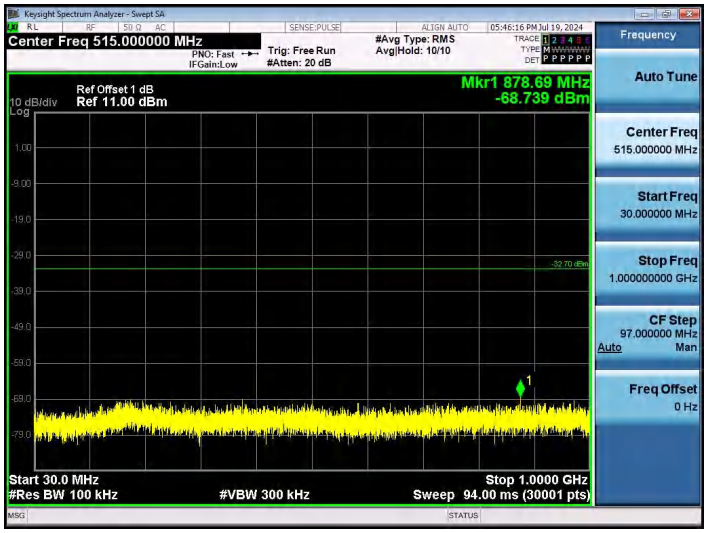
DH5-Ant1-2480-30~1000-PASS



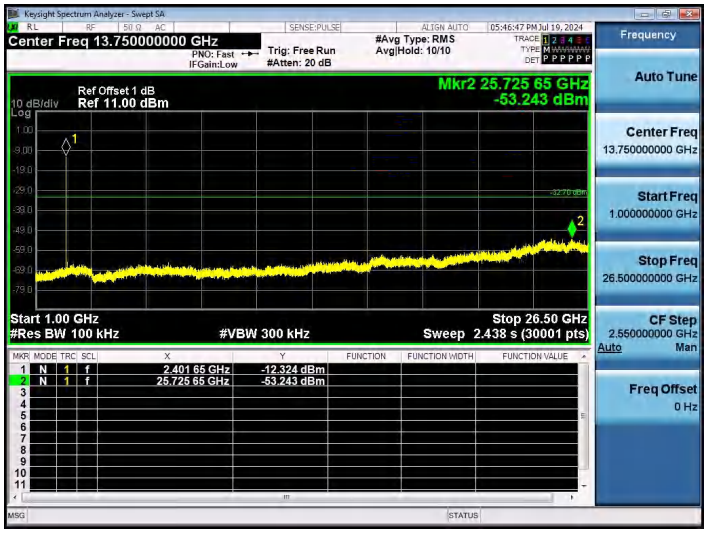
DH5-Ant1-2480-1000~26500-PASS



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

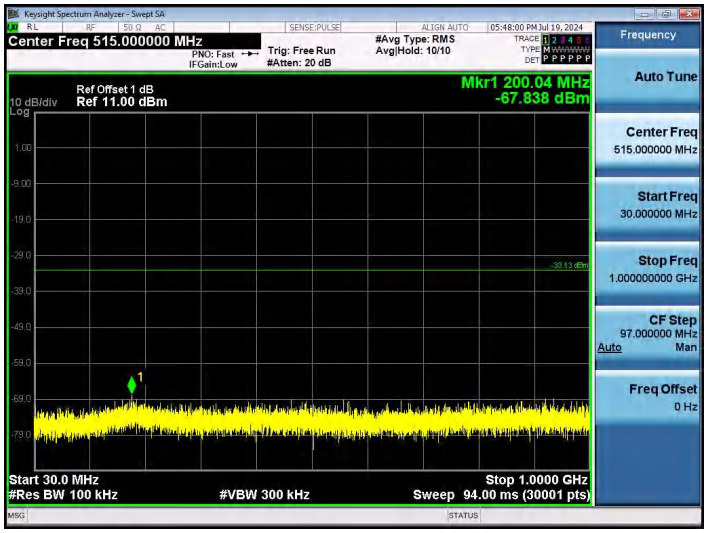


2DH5-Ant1-2402-30~1000-PASS



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

2DH5-Ant1-2441-0~Reference-PASS



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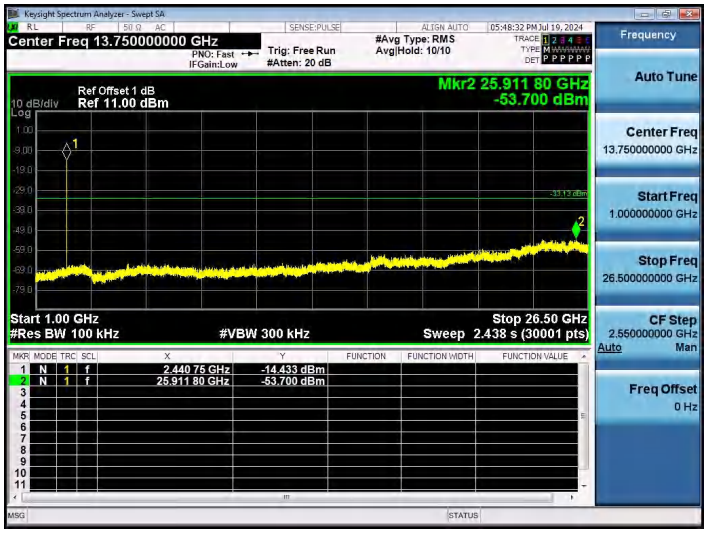

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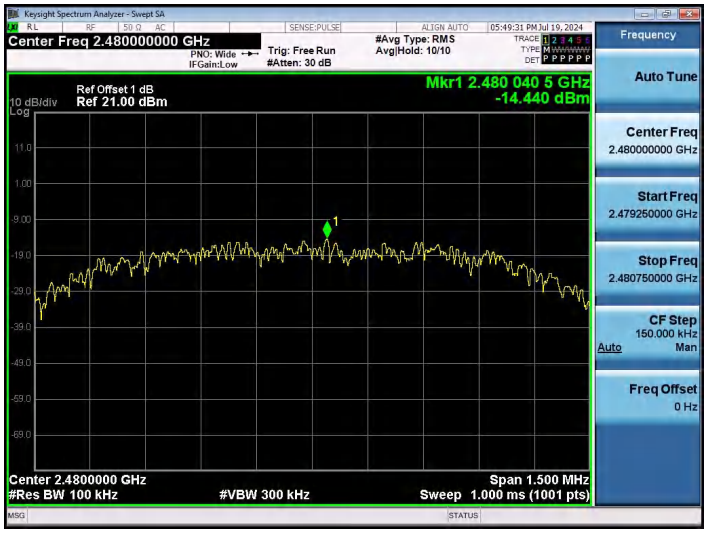

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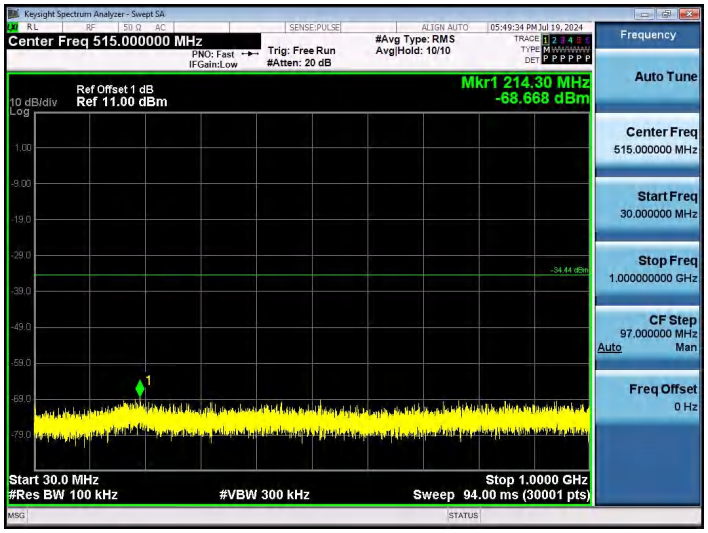

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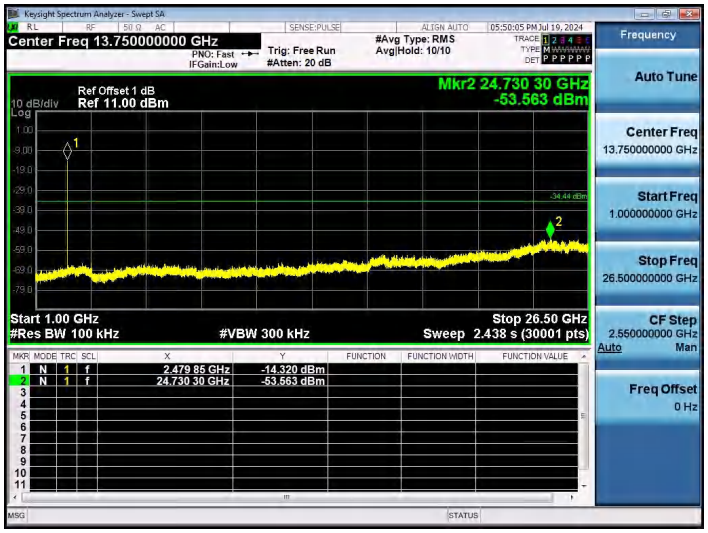

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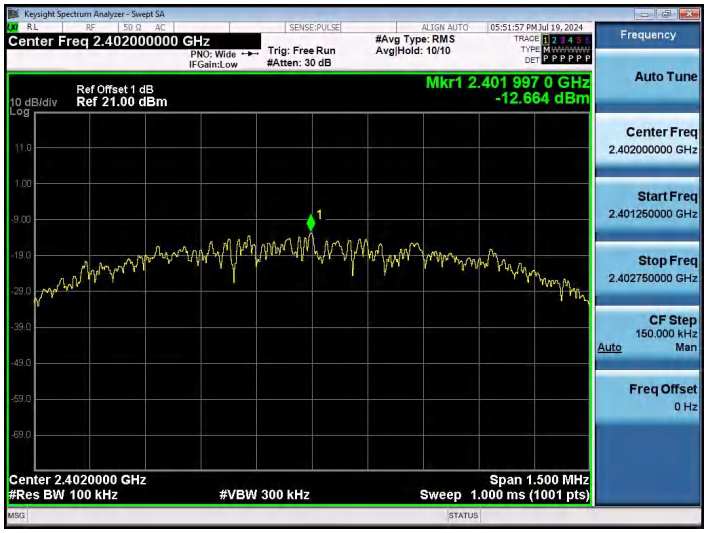

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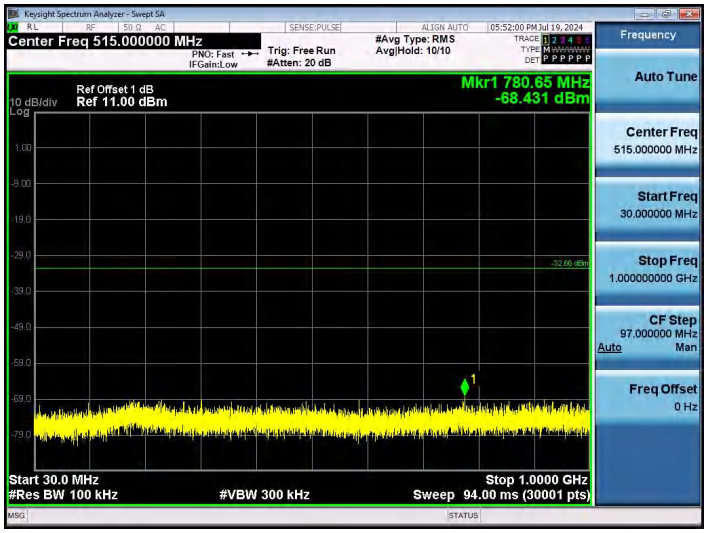

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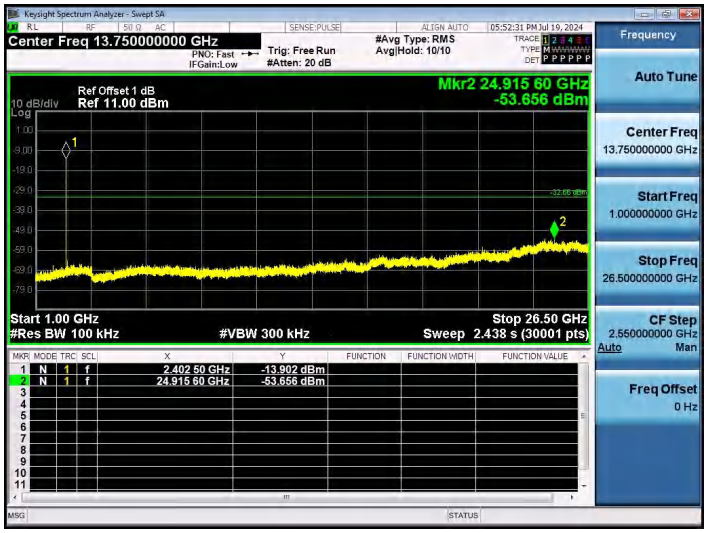

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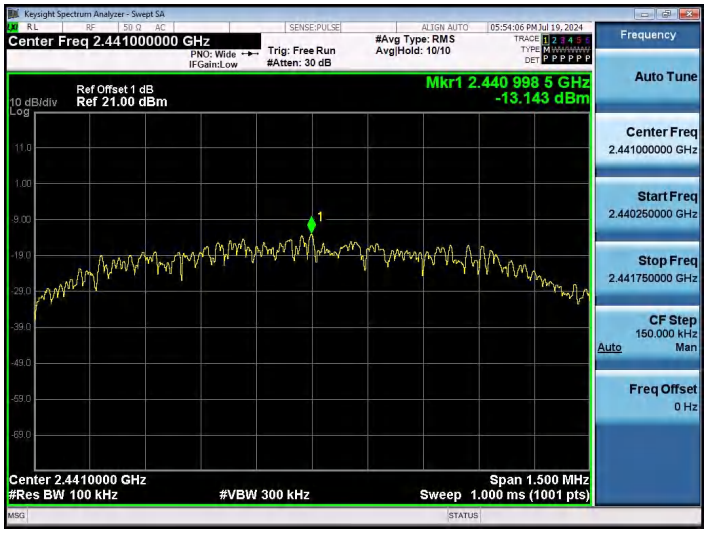

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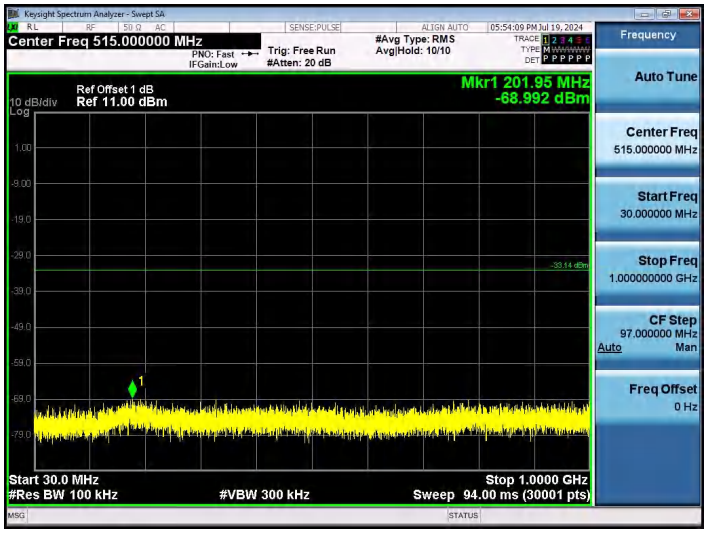

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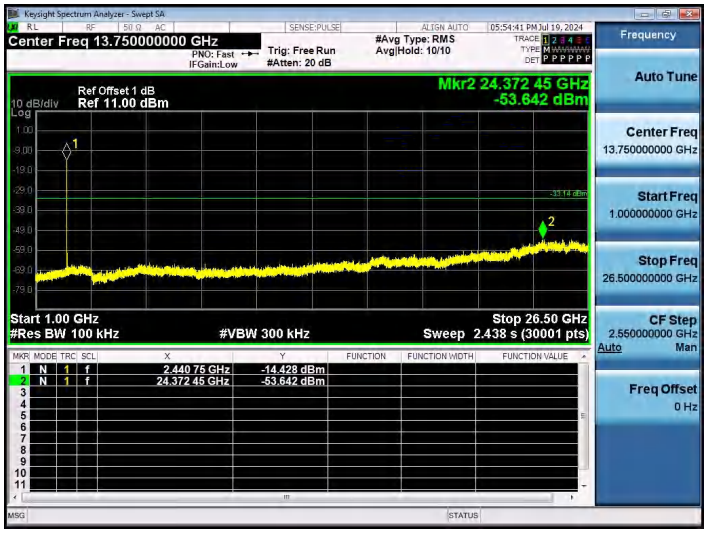

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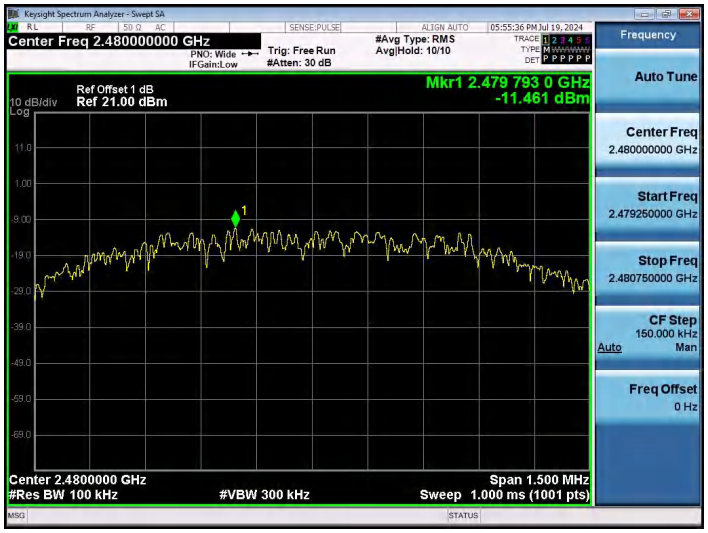

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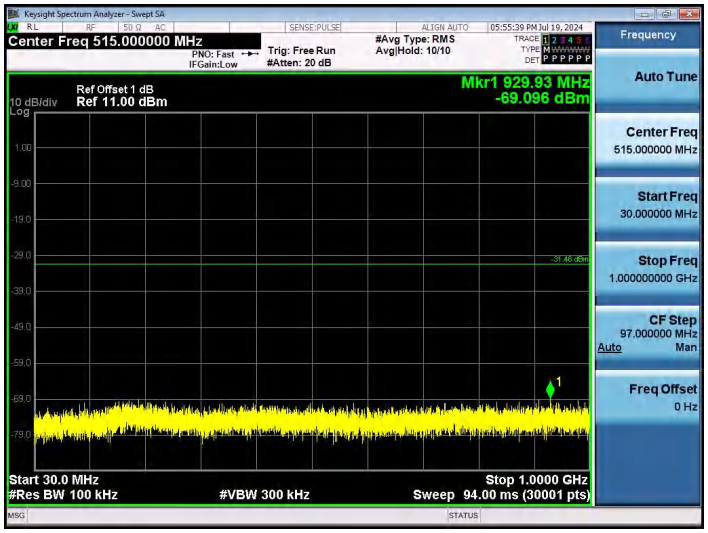

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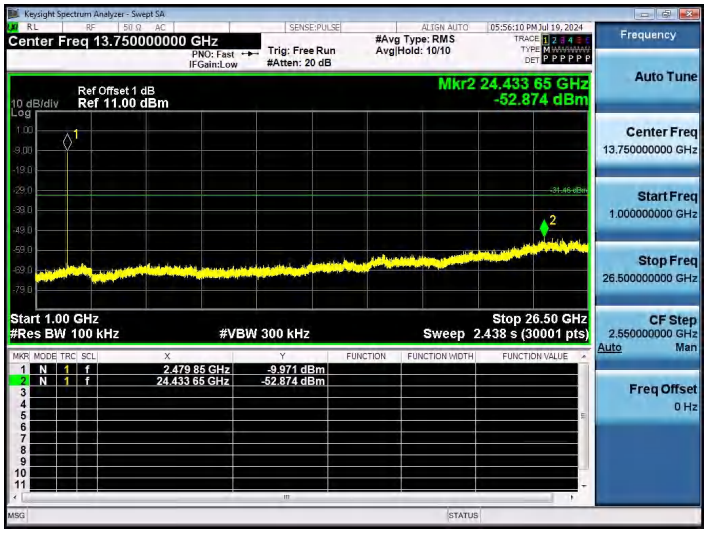

3DH5-Ant1-2480-1000~26500-PASS

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