

Appendix Test Data

Report No.:	1813C40131912501	Test Sample No.:	1-2-2
Start Test Date:	2024.10.28	Finish Test Date:	2024.10.28
Test Engineer:	<i>Joker Wong</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.5°C	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	0.966	2401.523	2402.489	---	---
DH5	Ant1	2441	0.960	2440.526	2441.486	---	---
DH5	Ant1	2480	0.960	2479.532	2480.492	---	---



Test Graphs



DH5-Ant1-2402



DH5-Ant1-2441



DH5-Ant1-2480

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Appendix B: 99% Occupied Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.89430	2401.5545	2402.4488	---	---
DH5	Ant1	2441	0.88880	2440.5524	2441.4412	---	---
DH5	Ant1	2480	0.90345	2479.5458	2480.4493	---	---

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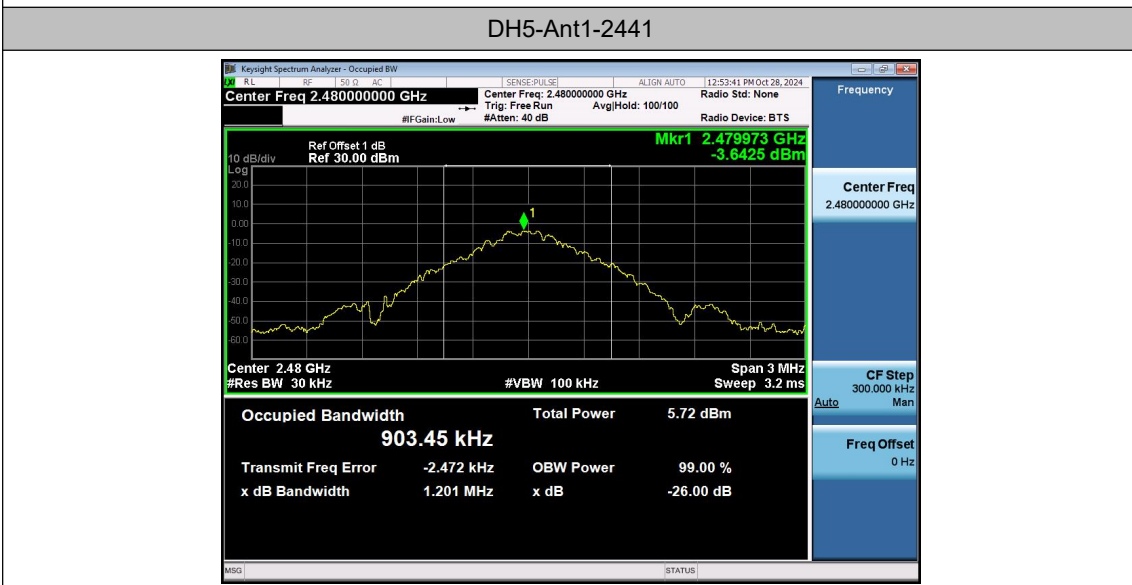
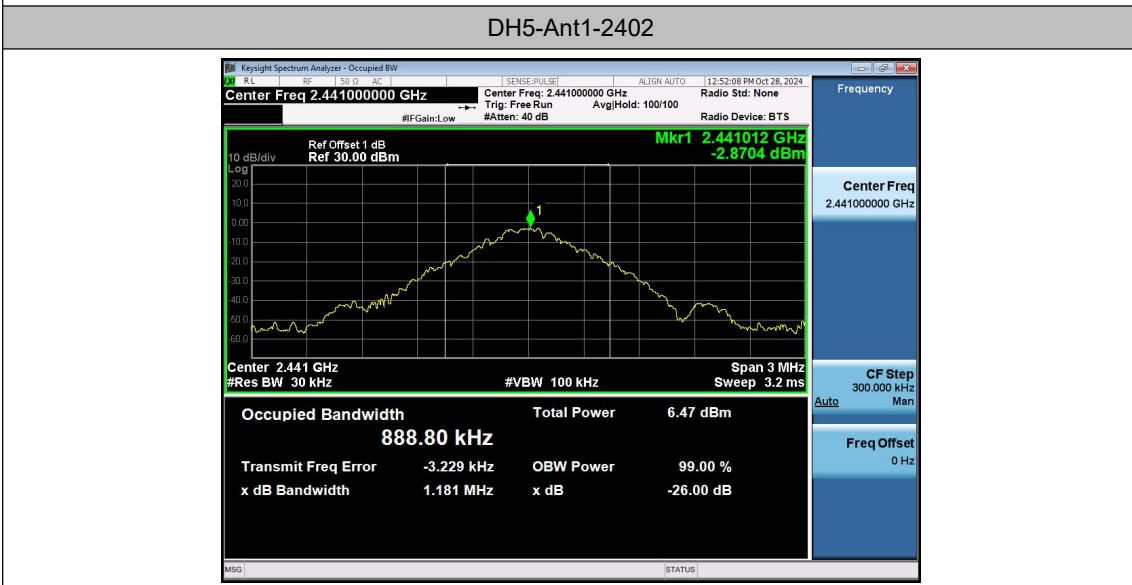
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Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.27	≤20.97	PASS
DH5	Ant1	2441	-0.16	≤20.97	PASS
DH5	Ant1	2480	-0.77	≤20.97	PASS

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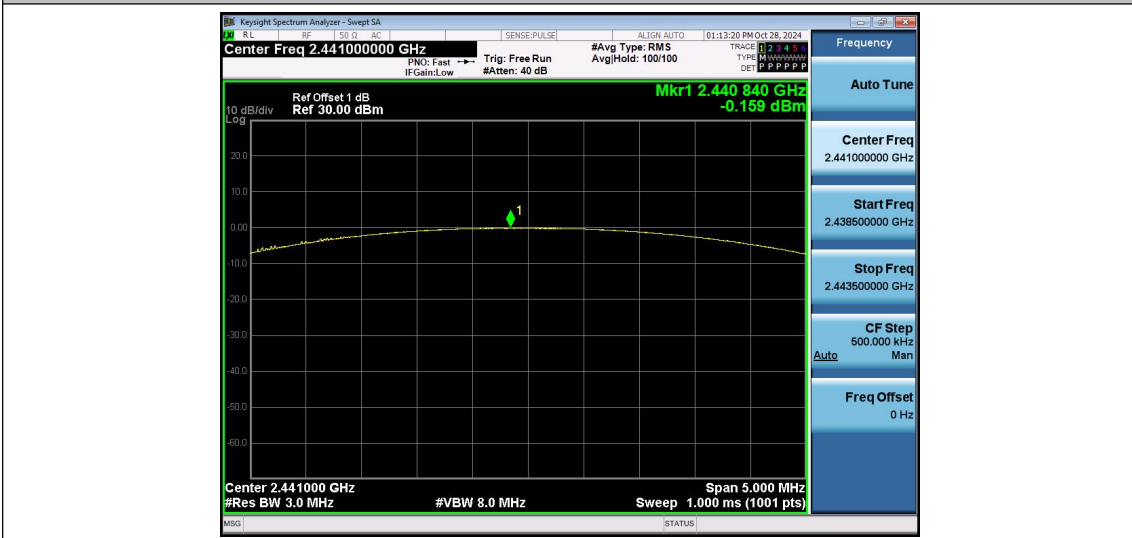
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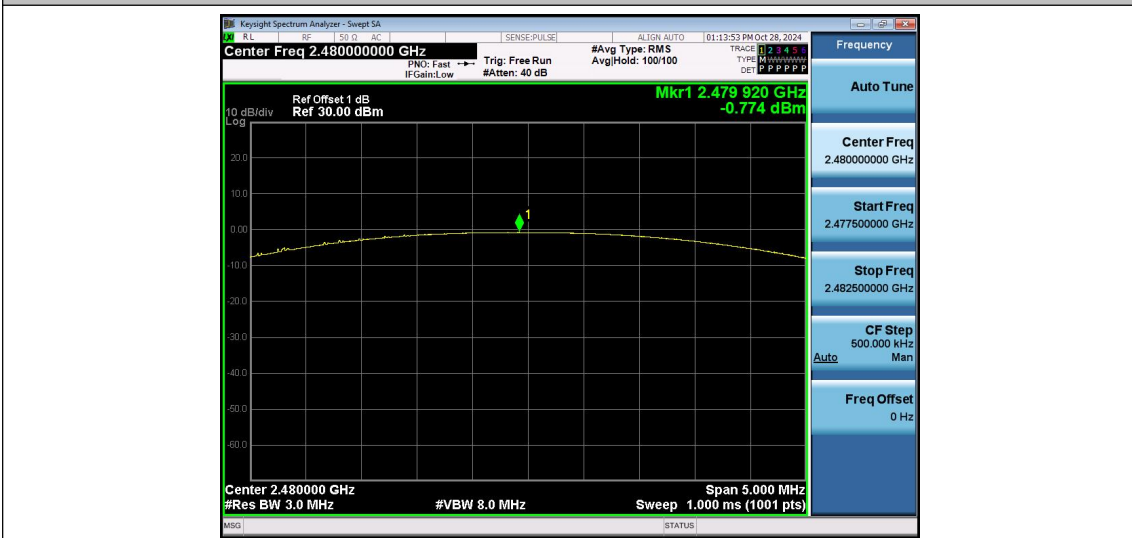
Test Graphs



DH5-Ant1-2402-PASS



DH5-Ant1-2441-PASS



DH5-Ant1-2480-PASS

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Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.686	≥0.644	PASS

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Appendix E: Dwell Time

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.288	366	0.105	≤0.4	PASS
DH3	Ant1	Hop	1.548	168	0.26	≤0.4	PASS
DH5	Ant1	Hop	2.788	111	0.309	≤0.4	PASS

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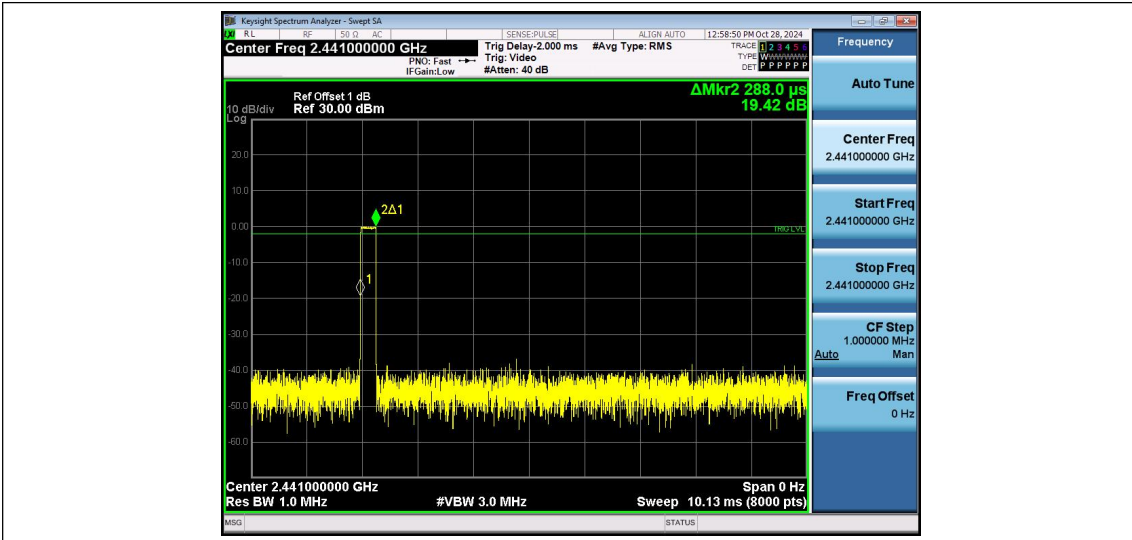
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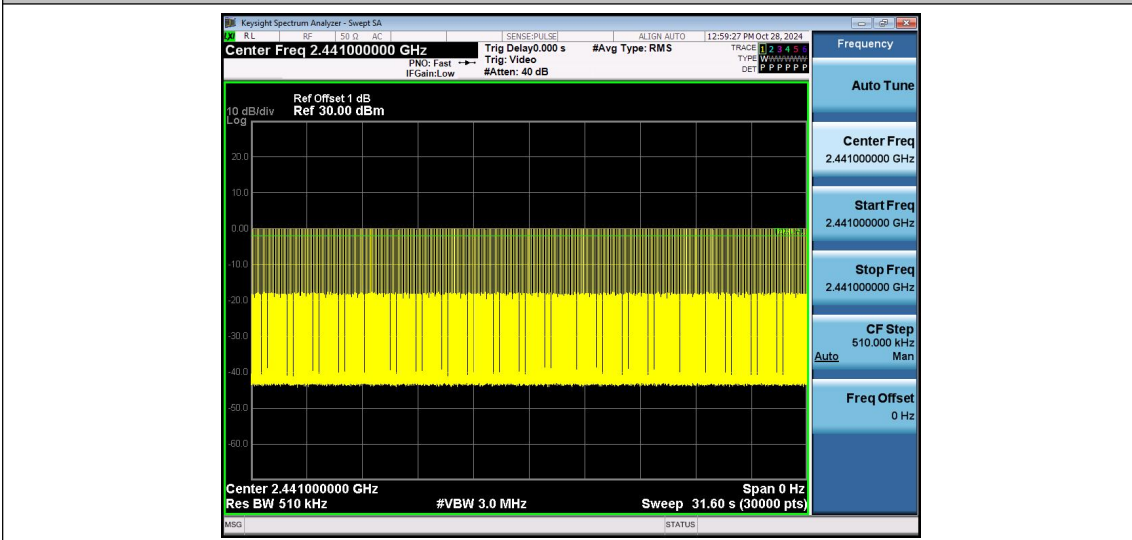
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Test Graphs

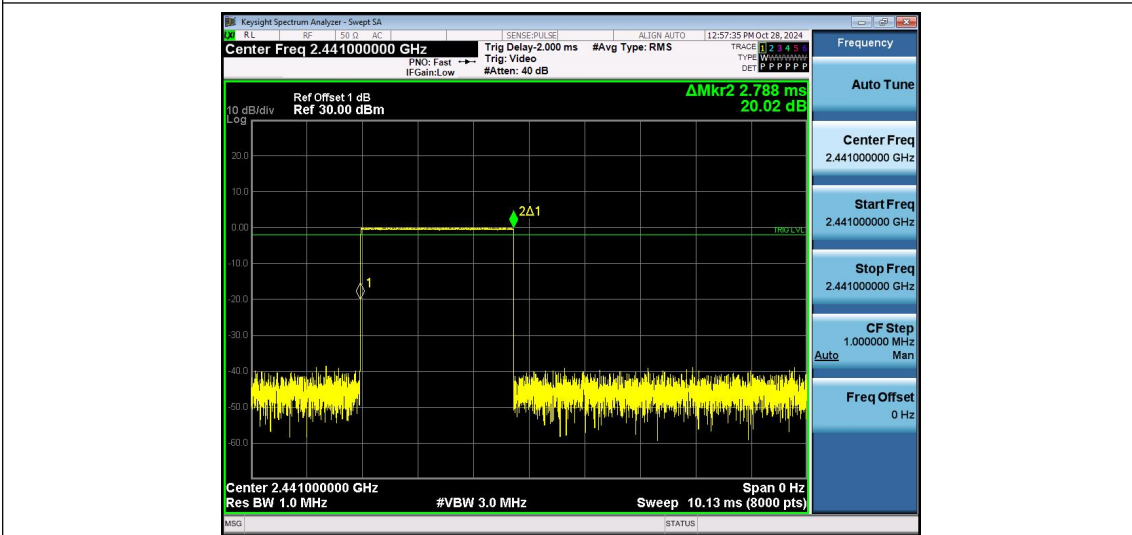
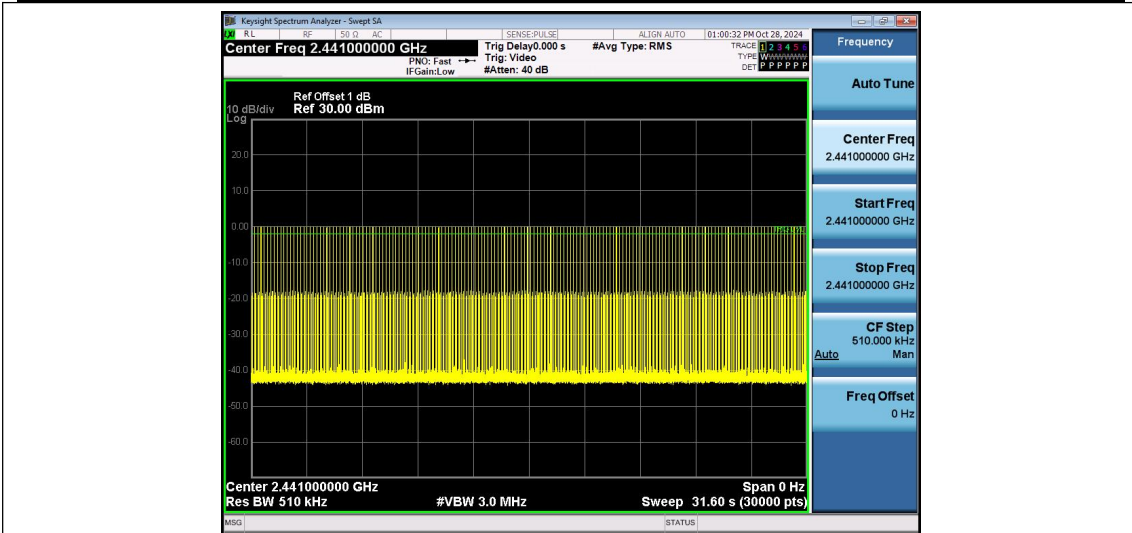


DH1-Ant1-Hop-PASS

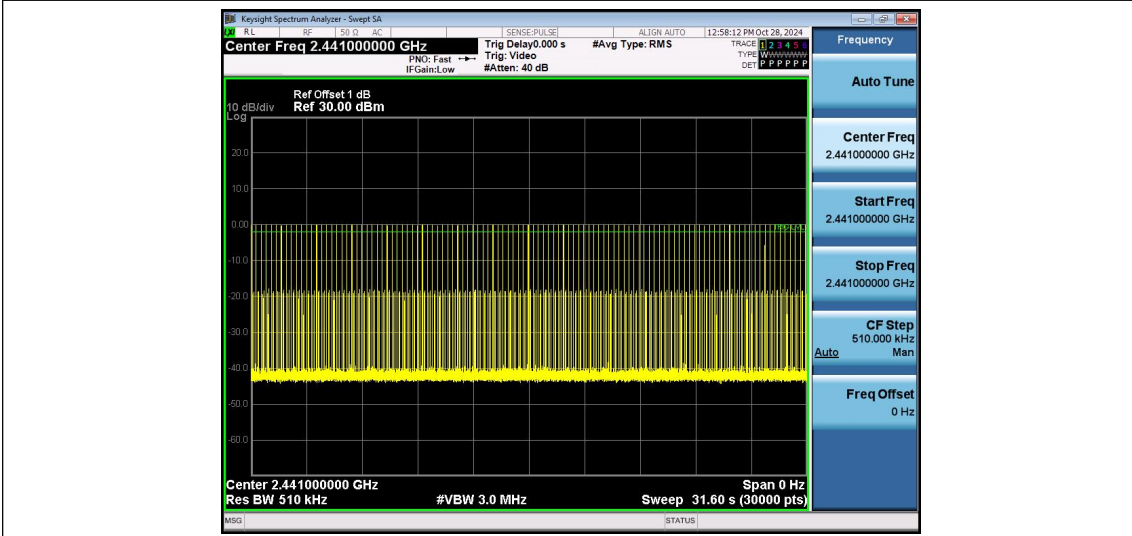


DH3-Ant1-Hop-PASS





DH5-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

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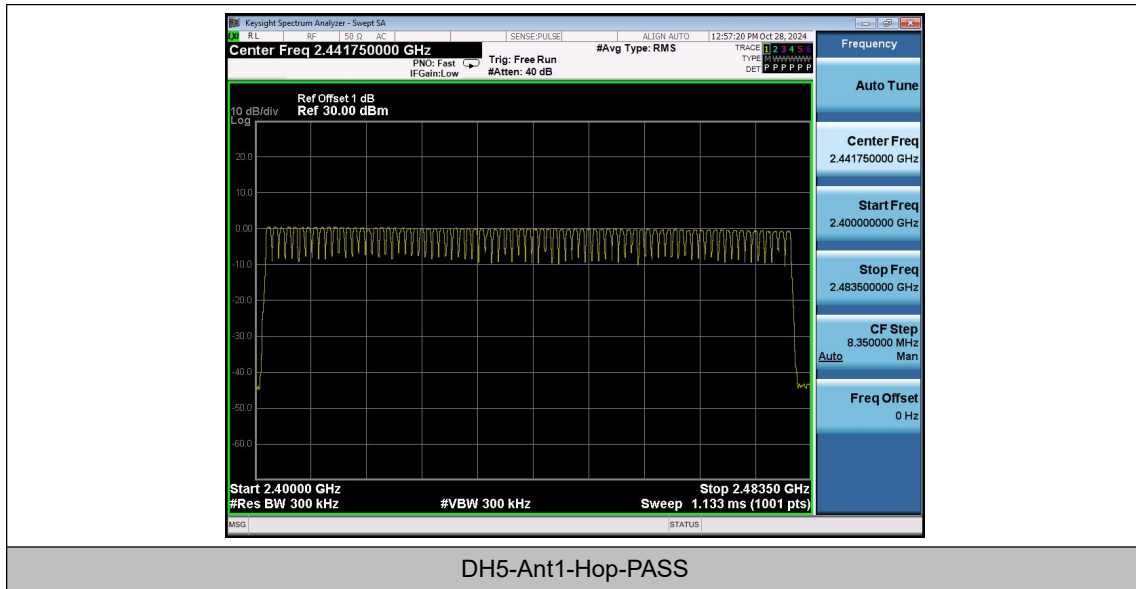
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Appendix G: Conducted Band edge

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.15	-55.53	≤-20.15	PASS
DH5	Ant1	High	2480	-1.03	-56.21	≤-21.03	PASS
DH5	Ant1	Low	Hop_2402	-0.16	-54.08	≤-20.16	PASS
DH5	Ant1	High	Hop_2480	-1.00	-54.31	≤-21	PASS

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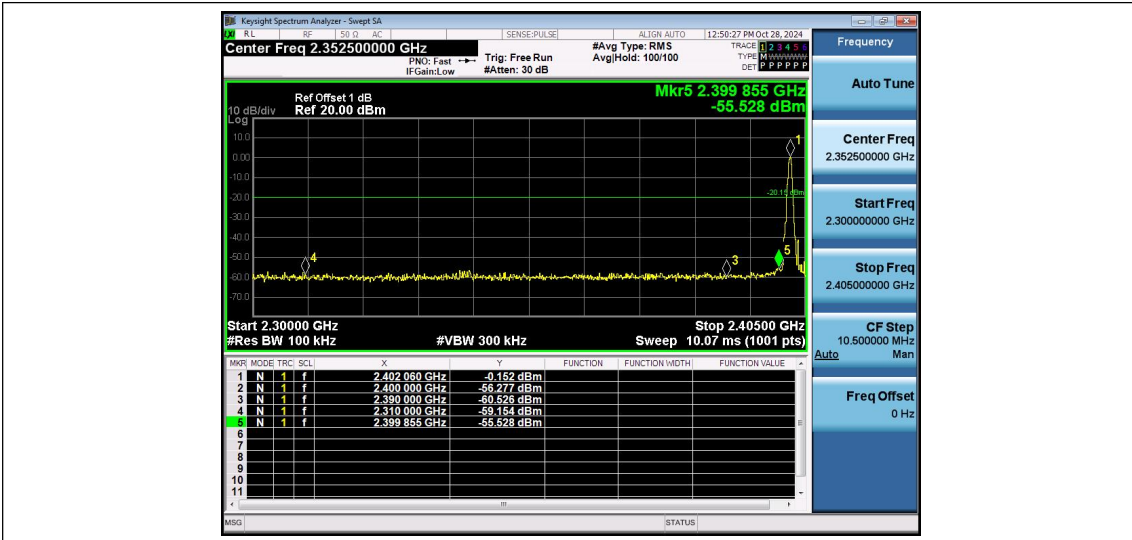
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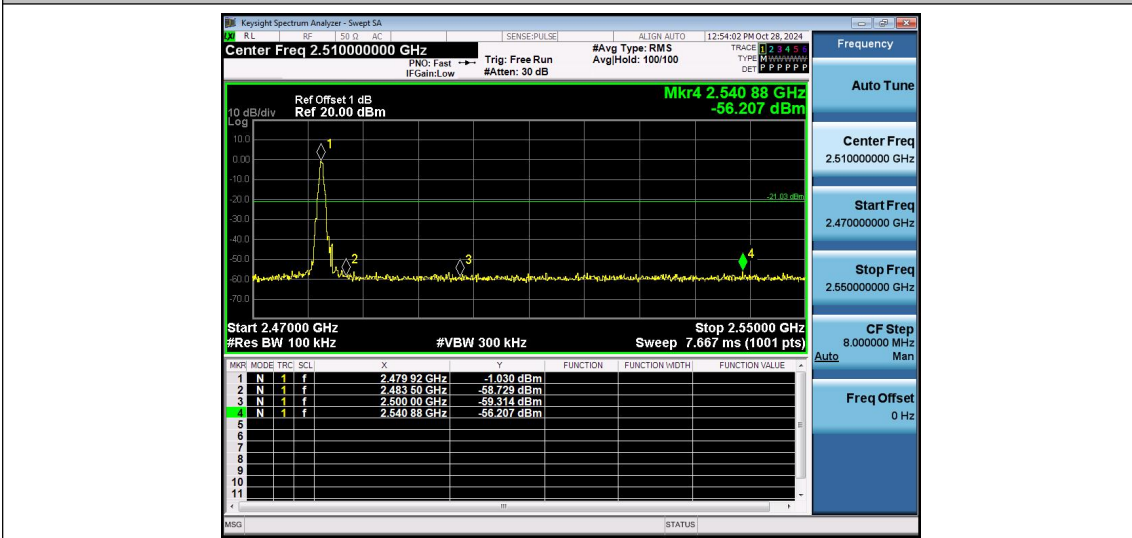
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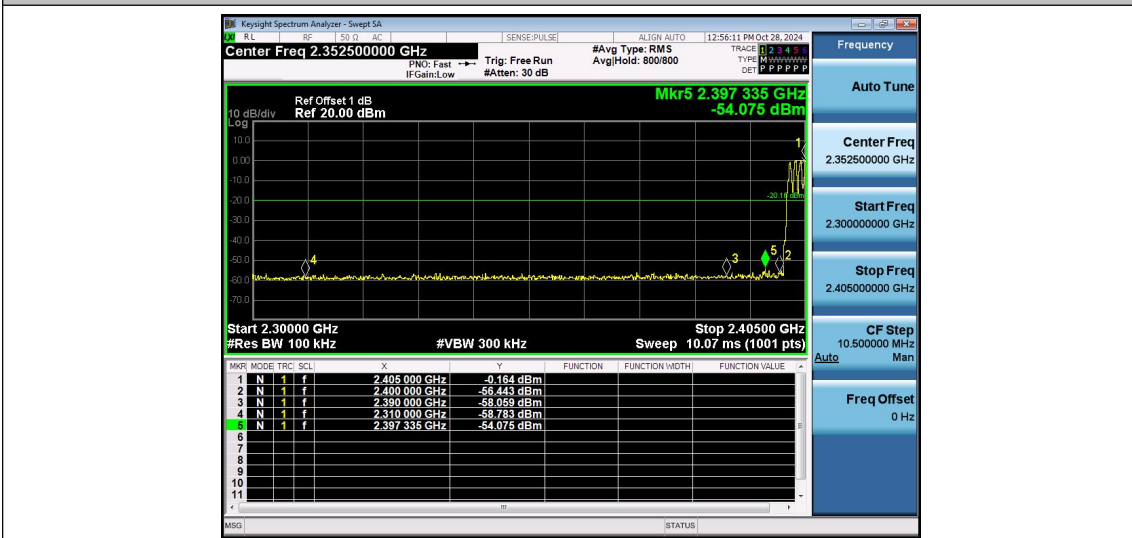
Test Graphs



DH5-Ant1-2402-PASS



DH5-Ant1-2480-PASS



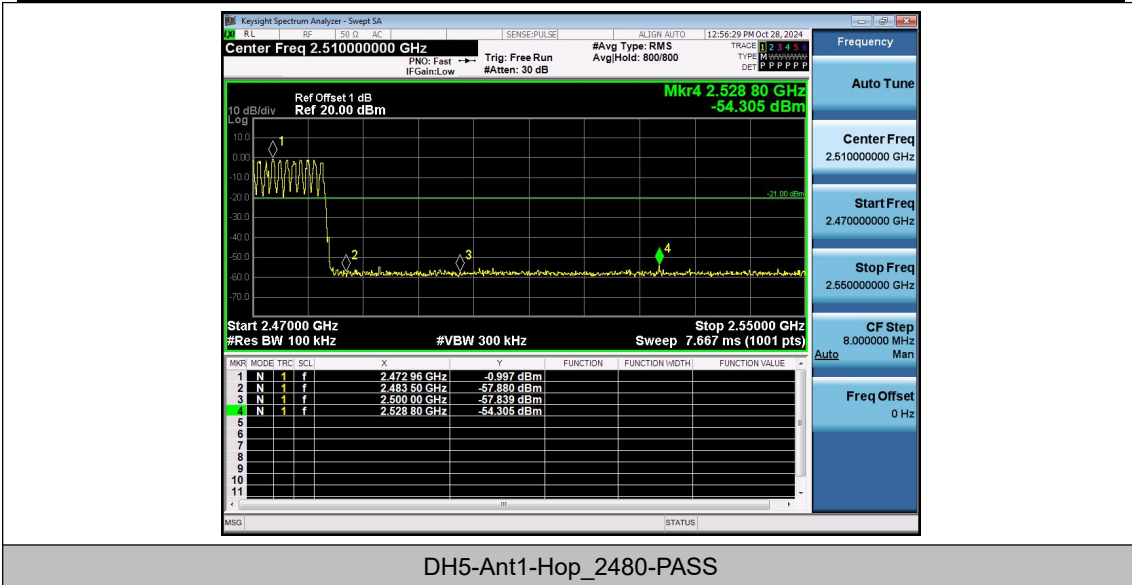
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DH5-Ant1-Hop_2480-PASS

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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	-0.58	-0.58	---	PASS
DH5	Ant1	2402	30~1000	-0.58	-67.54	≤-20.58	PASS
DH5	Ant1	2402	1000~26500	-0.58	-51.03	≤-20.58	PASS
DH5	Ant1	2441	0~Reference	-0.87	-0.87	---	PASS
DH5	Ant1	2441	30~1000	-0.87	-67.9	≤-20.87	PASS
DH5	Ant1	2441	1000~26500	-0.87	-52.47	≤-20.87	PASS
DH5	Ant1	2480	0~Reference	-1.74	-1.74	---	PASS
DH5	Ant1	2480	30~1000	-1.74	-68.27	≤-21.74	PASS
DH5	Ant1	2480	1000~26500	-1.74	-53.49	≤-21.74	PASS

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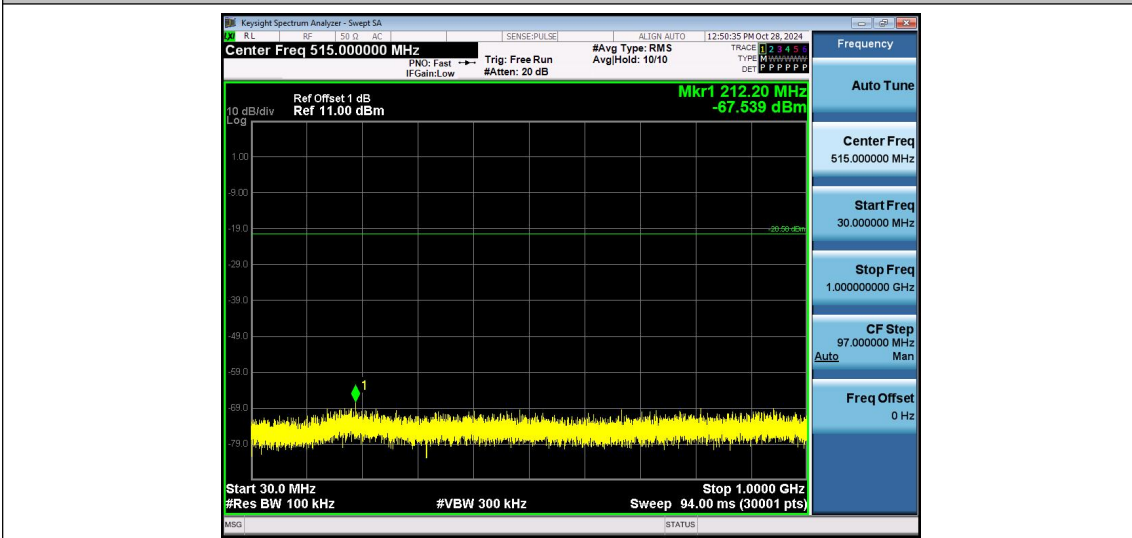
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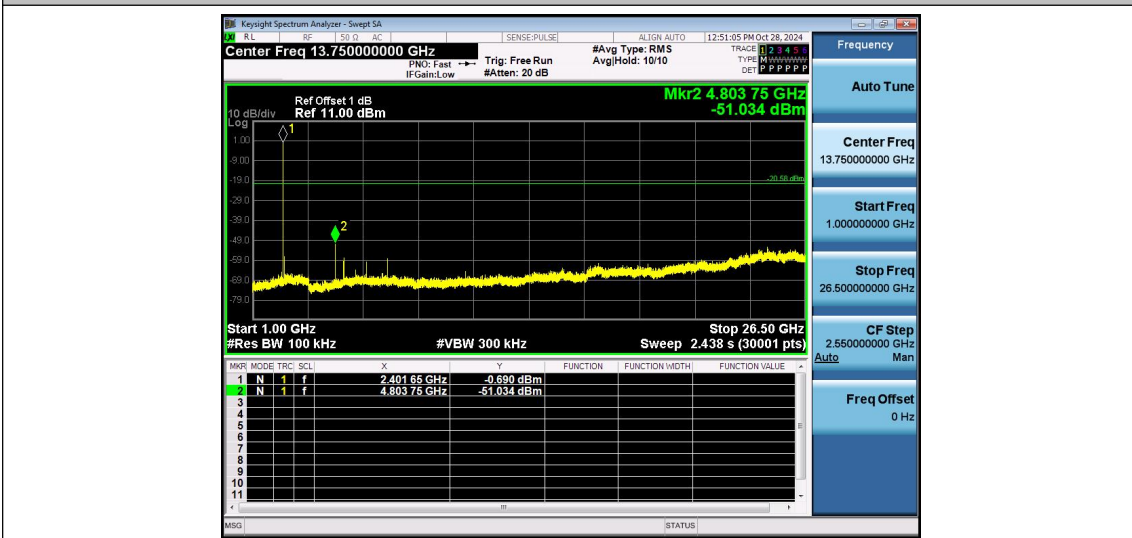
Test Graphs



DH5-Ant1-2402-0~Reference-PASS



DH5-Ant1-2402-30~1000-PASS



DH5-Ant1-2402-1000~26500-PASS

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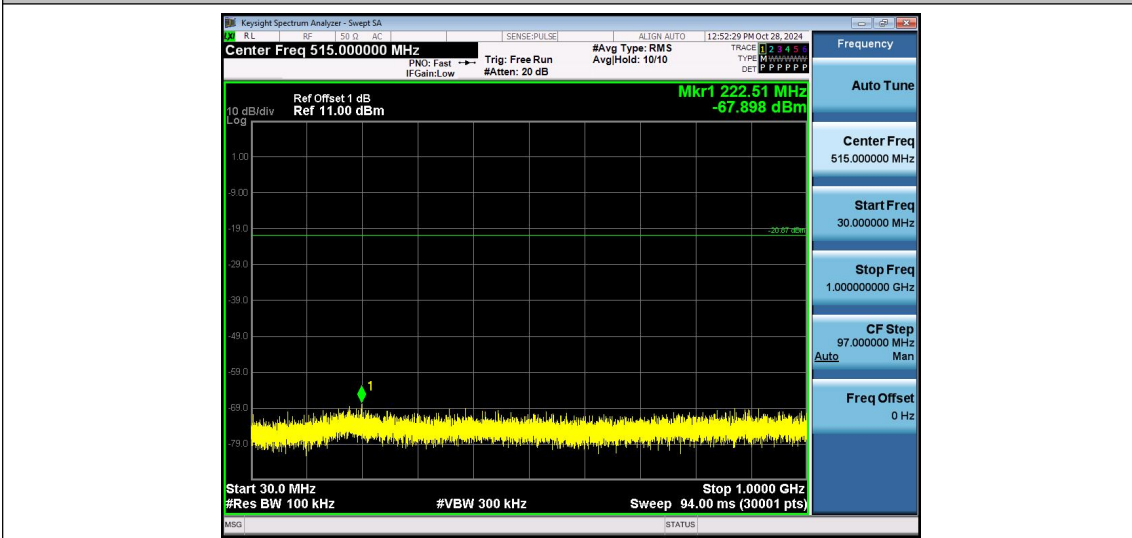
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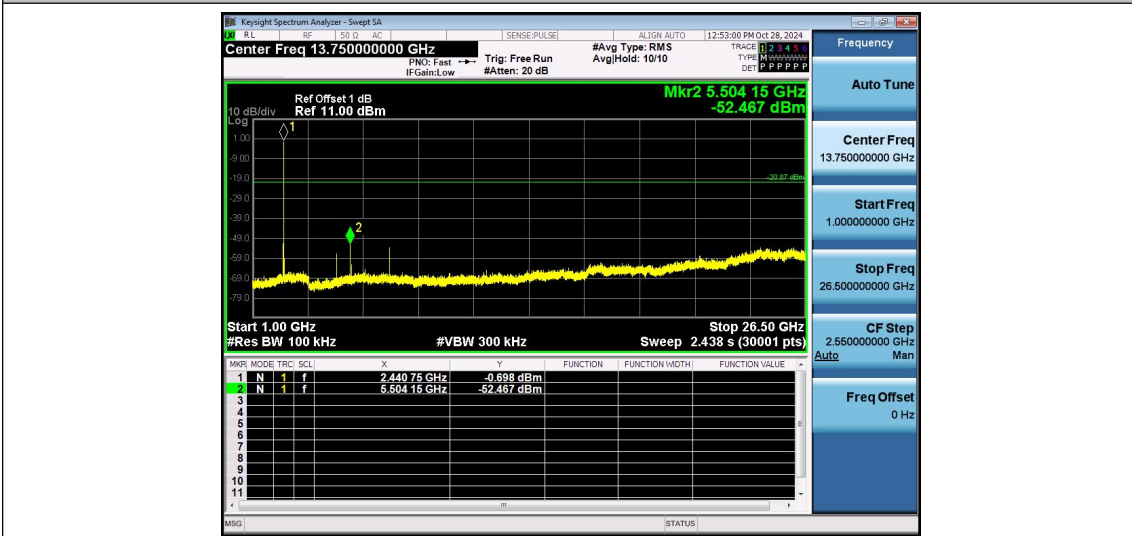




DH5-Ant1-2441-0~Reference-PASS



DH5-Ant1-2441-30~1000-PASS

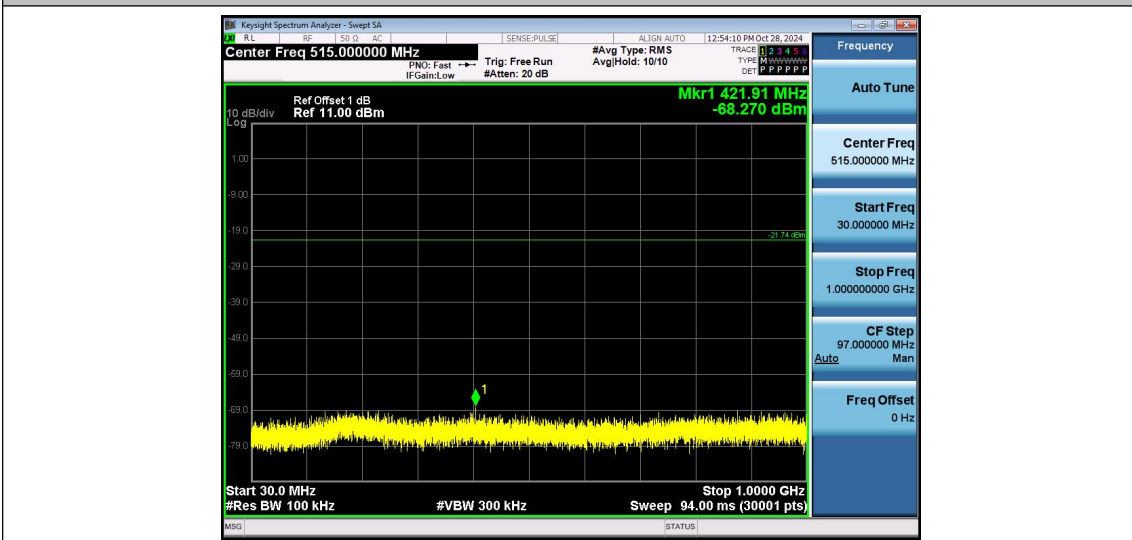


DH5-Ant1-2441-1000~26500-PASS

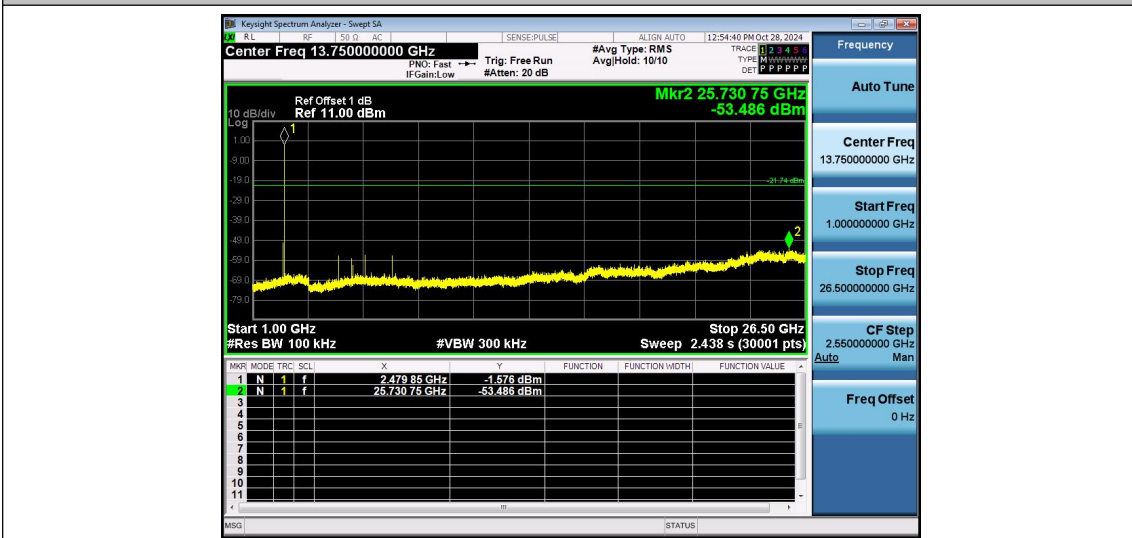




DH5-Ant1-2480-0~Reference-PASS



DH5-Ant1-2480-30~1000-PASS



DH5-Ant1-2480-1000~26500-PASS



Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.79	3.57	78.15	1.07
DH5	Ant1	2441	2.79	3.57	78.15	1.07
DH5	Ant1	2480	2.79	3.57	78.15	1.07

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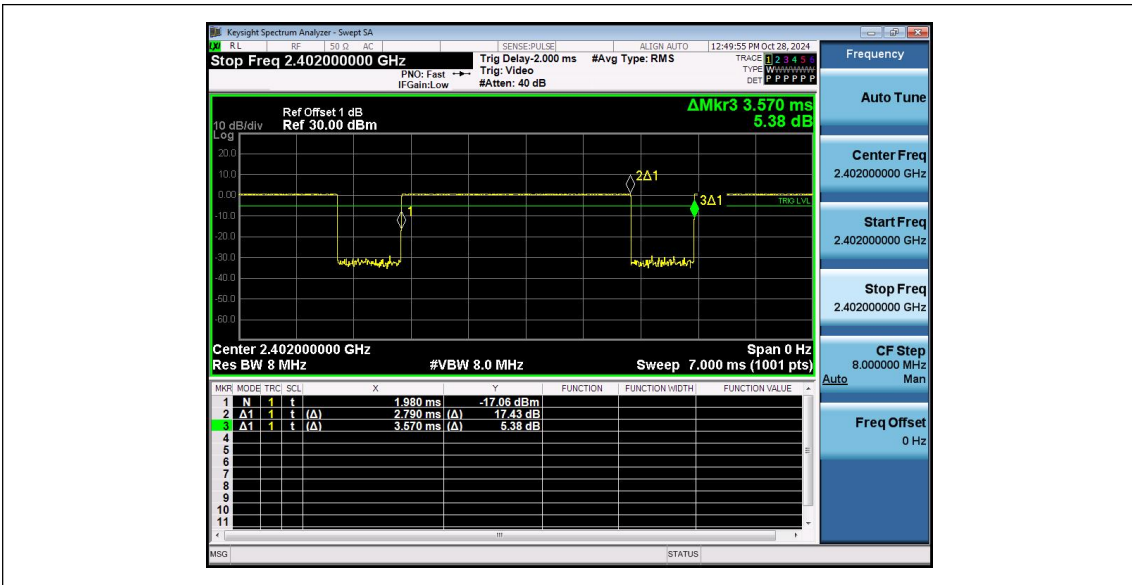
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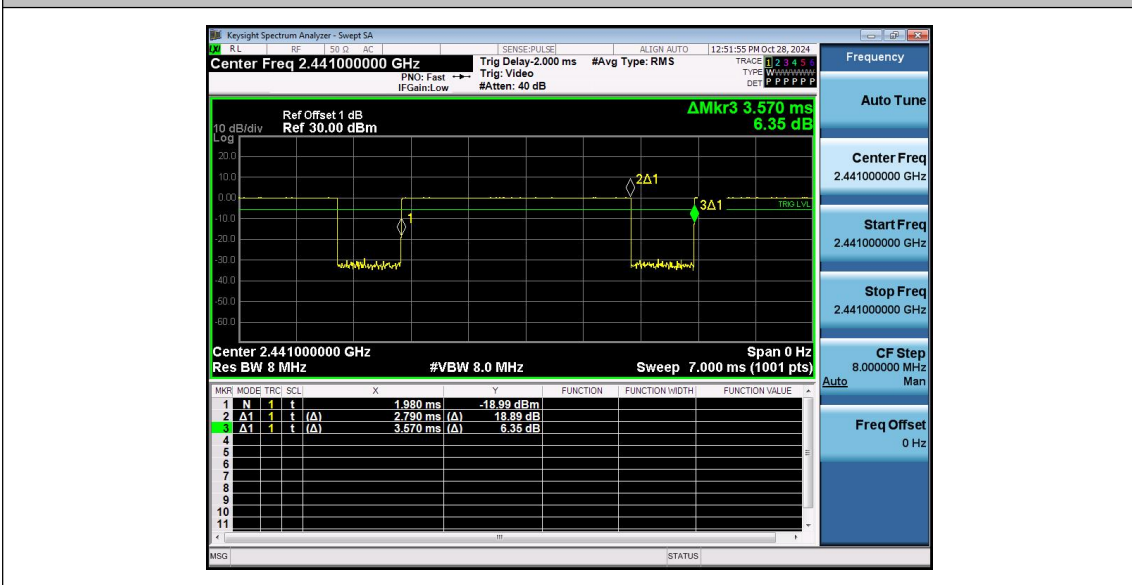
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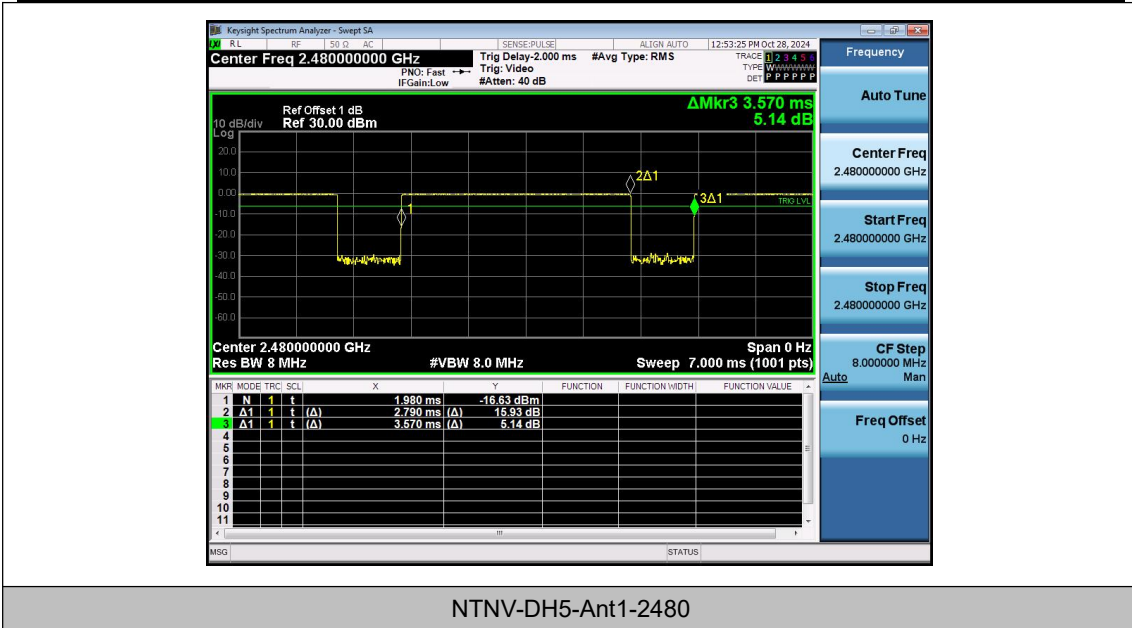


NTNV-DH5-Ant1-2402



NTNV-DH5-Ant1-2441





NTNV-DH5-Ant1-2480

---End---

