

Appendix Test Data

Report No.:	182519C400017101	Test Sample No.:	1-2-2
Start Test Date:	2024.05.21	Finish Test Date:	2024.05.25
Test Engineer:	<i>Joker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	24.7°C	Relative Humidity:	45%
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	2401.532	2402.483	---	---
DH5	Ant1	2441	0.957	2440.529	2441.486	---	---
DH5	Ant1	2480	0.948	2479.532	2480.480	---	---
2DH5	Ant1	2402	1.311	2401.337	2402.648	---	---
2DH5	Ant1	2441	1.305	2440.334	2441.639	---	---
2DH5	Ant1	2480	1.353	2479.316	2480.669	---	---

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Test Graphs



DH5-Ant1-2402



DH5-Ant1-2441



DH5-Ant1-2480

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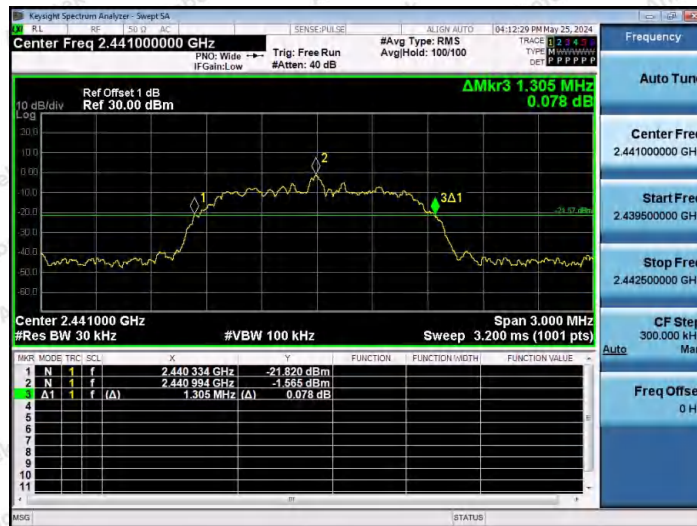
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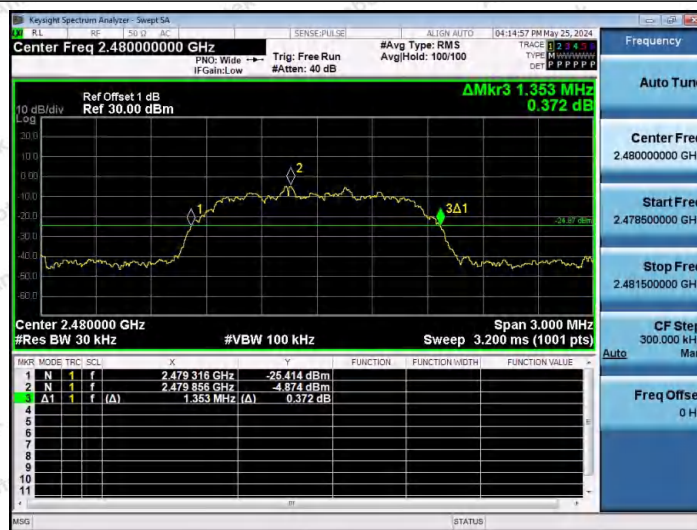




2DH5-Ant1-2402



2DH5-Ant1-2441



2DH5-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	0.85338	2401.5642	2402.4176	---	---
DH5	Ant1	2441	0.84877	2440.5630	2441.4118	---	---
DH5	Ant1	2480	0.87475	2479.5568	2480.4315	---	---
2DH5	Ant1	2402	1.1889	2401.3991	2402.5880	---	---
2DH5	Ant1	2441	1.1995	2440.3942	2441.5937	---	---
2DH5	Ant1	2480	1.1841	2479.4009	2480.5850	---	---

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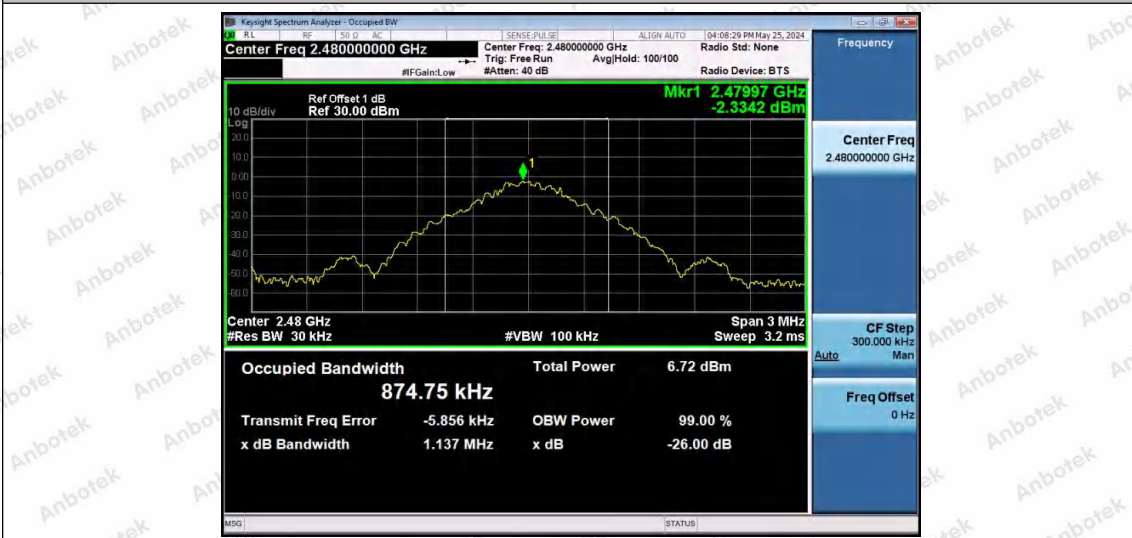
Test Graphs



DH5-Ant1-2402



DH5-Ant1-2441



DH5-Ant1-2480

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2DH5-Ant1-2402



2DH5-Ant1-2441



2DH5-Ant1-2480

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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	0.46	≤20.97	PASS
DH5	Ant1	2441	0.83	≤20.97	PASS
DH5	Ant1	2480	0.34	≤20.97	PASS
2DH5	Ant1	2402	1.29	≤20.97	PASS
2DH5	Ant1	2441	1.59	≤20.97	PASS
2DH5	Ant1	2480	0.86	≤20.97	PASS

Test Graphs



DH5-Ant1-2402-PASS



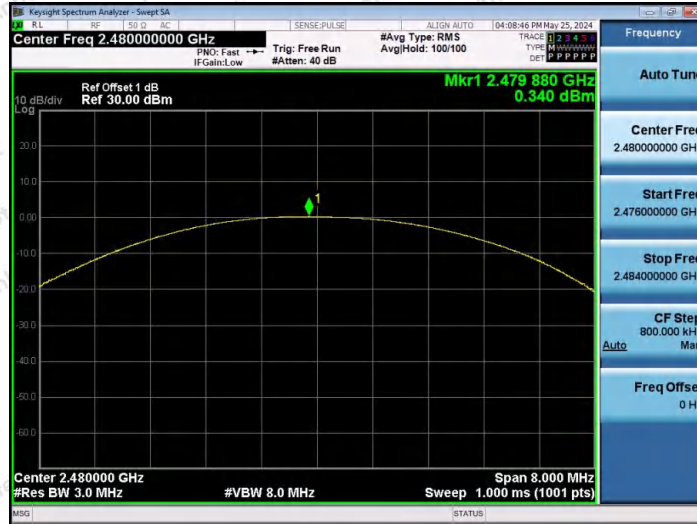
DH5-Ant1-2441-PASS

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DH5-Ant1-2480-PASS



2DH5-Ant1-2402-PASS



2DH5-Ant1-2441-PASS

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Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.996	≥0.957	PASS
2DH5	Ant1	Hop	0.990	≥0.902	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	0.381	317	0.121	≤0.4	PASS
DH3	Ant1	Hop	1.638	159	0.26	≤0.4	PASS
DH5	Ant1	Hop	2.887	111	0.32	≤0.4	PASS
2DH1	Ant1	Hop	0.391	316	0.124	≤0.4	PASS
2DH3	Ant1	Hop	1.643	160	0.263	≤0.4	PASS
2DH5	Ant1	Hop	2.891	115	0.332	≤0.4	PASS

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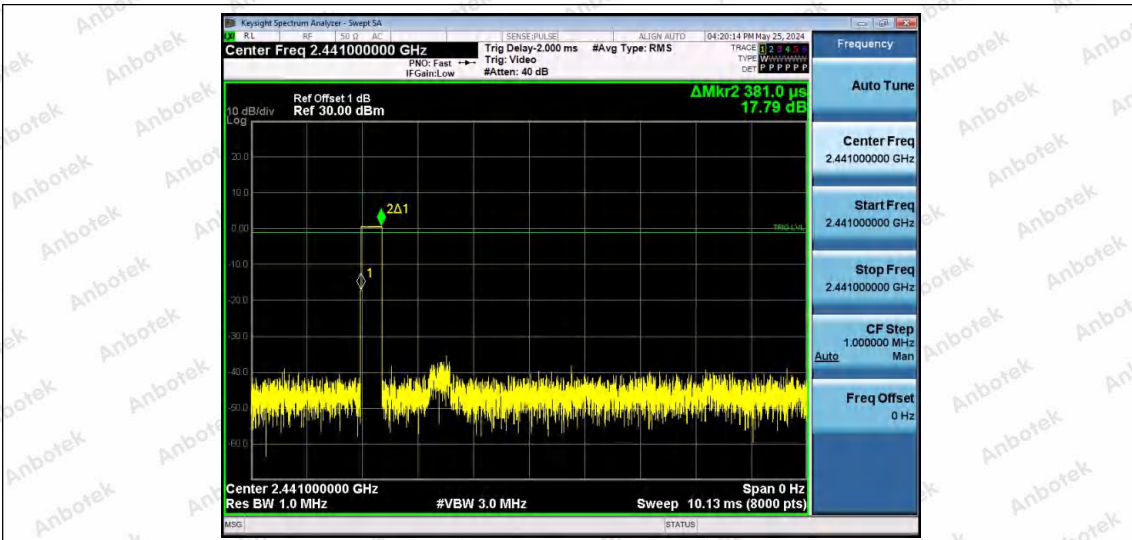
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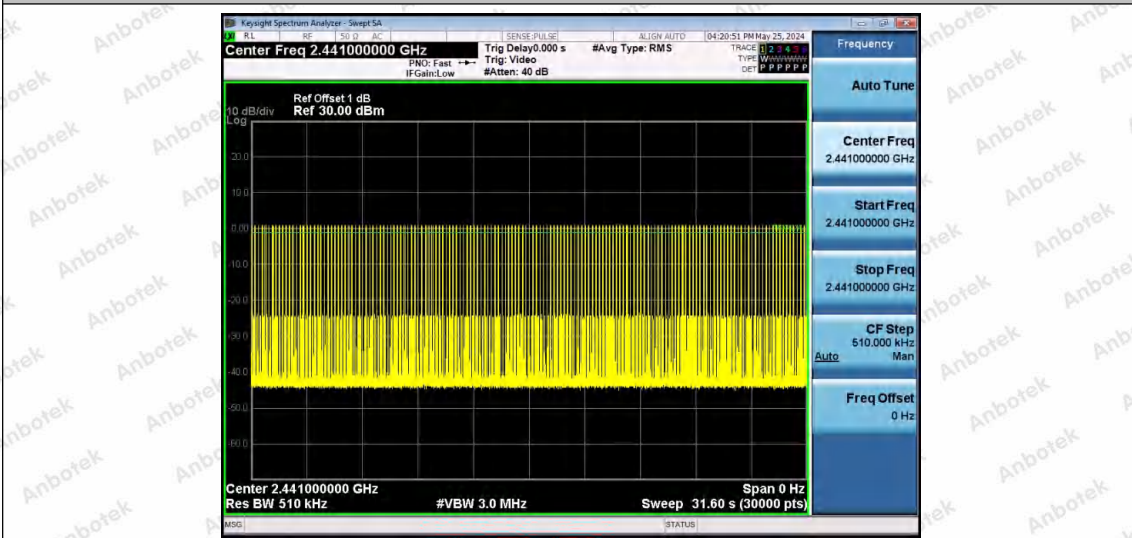
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Test Graphs



DH1-Ant1-Hop-PASS



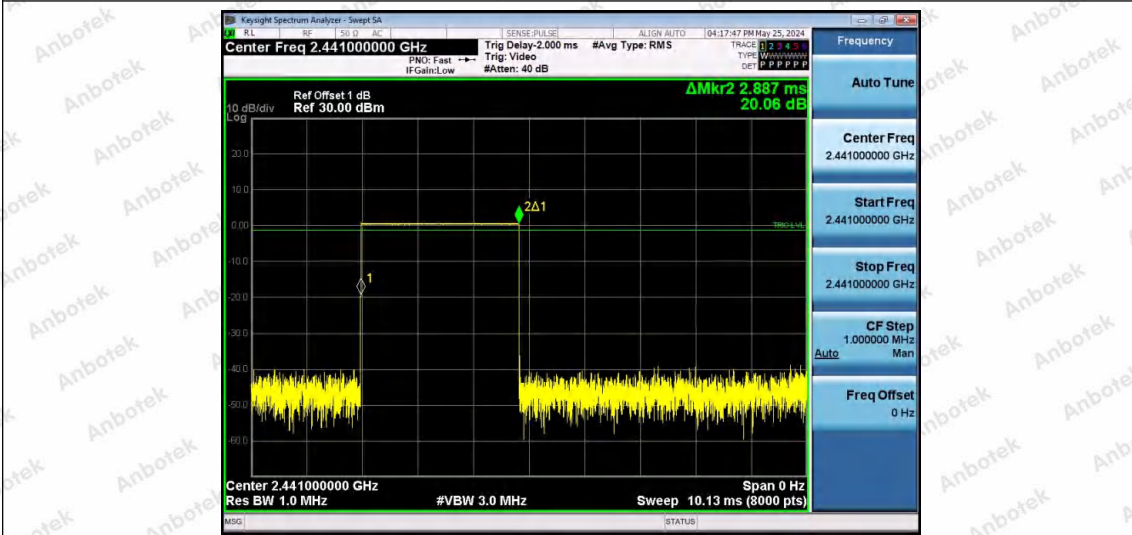
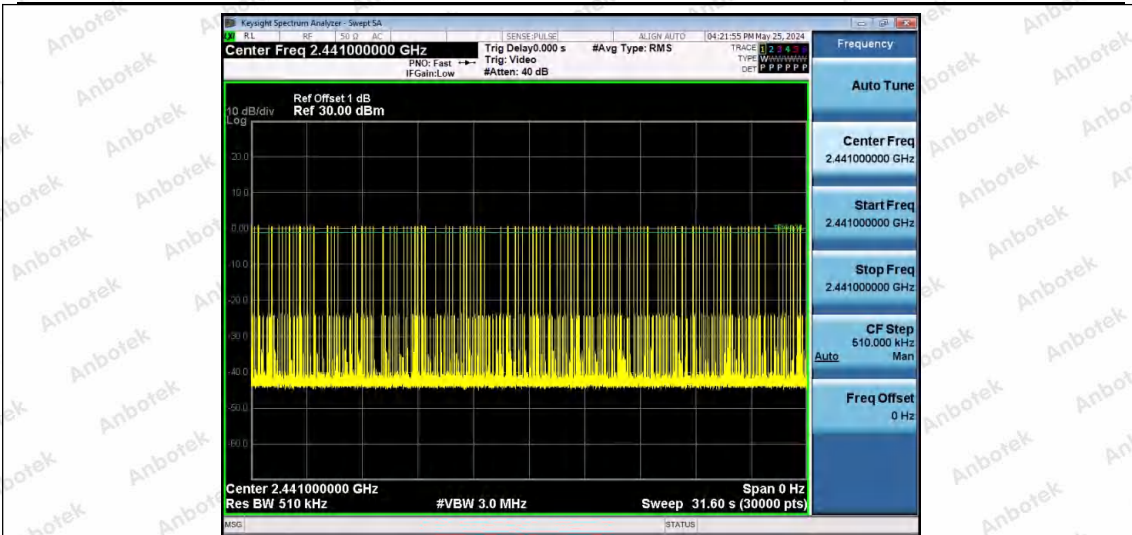
DH3-Ant1-Hop-PASS

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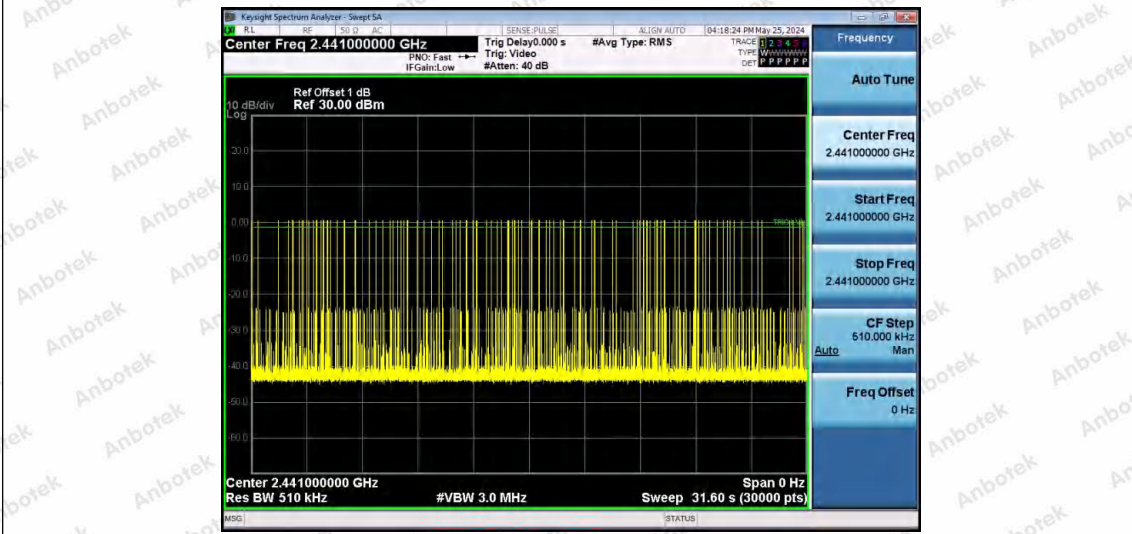
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DH5-Ant1-Hop-PASS

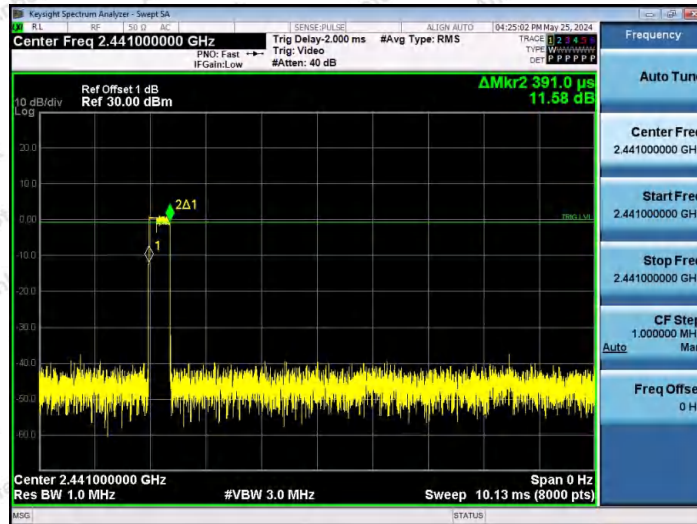


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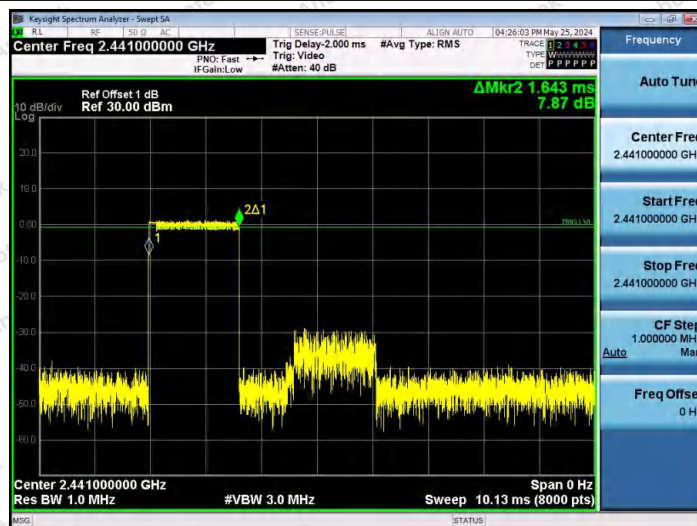
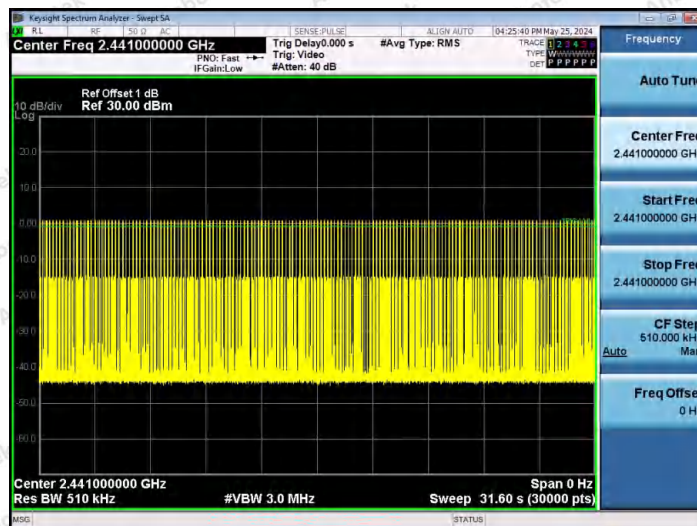
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2DH1-Ant1-Hop-PASS



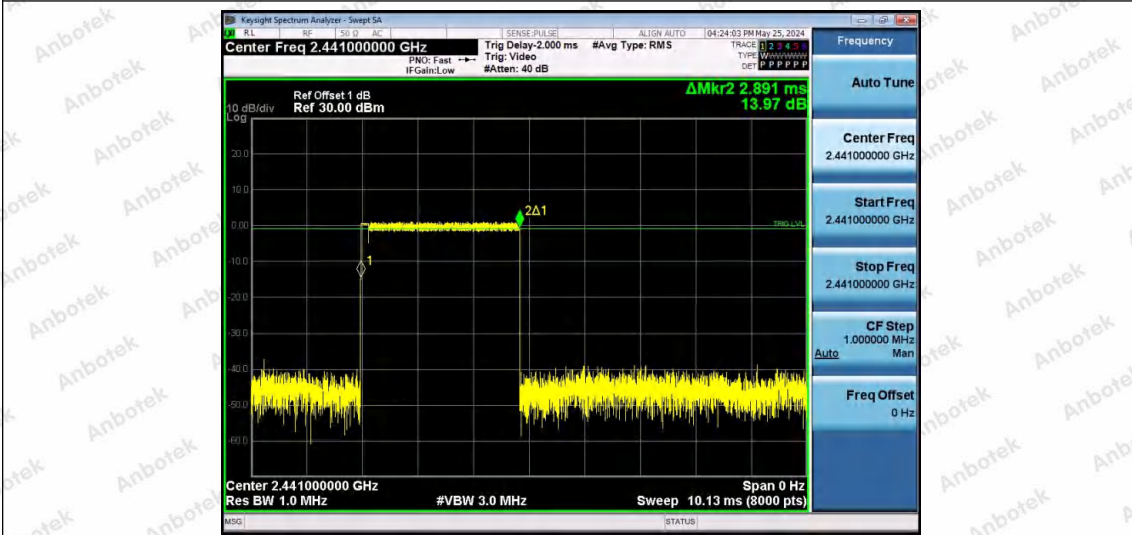
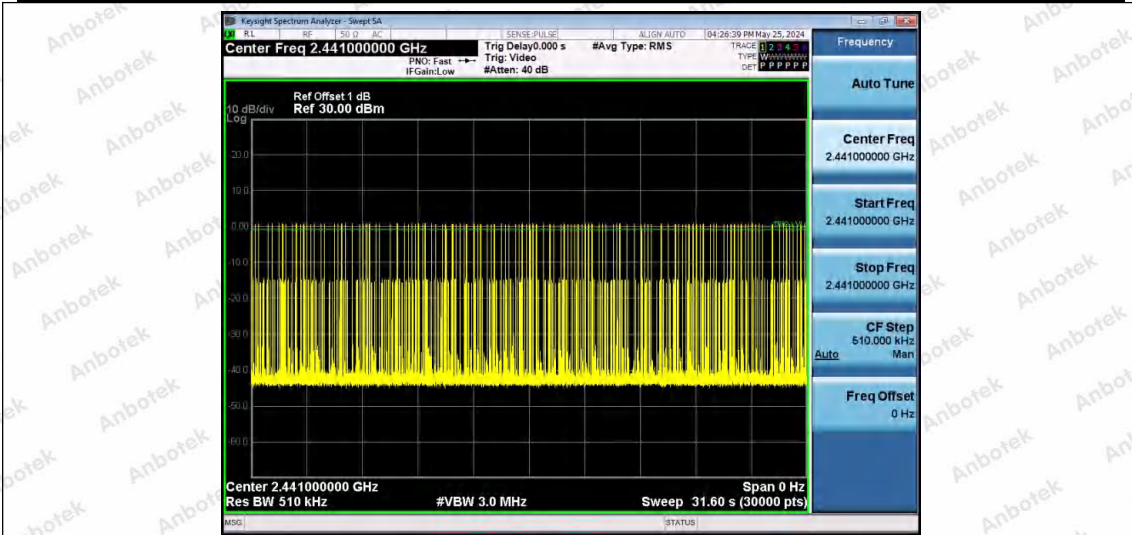
2DH3-Ant1-Hop-PASS

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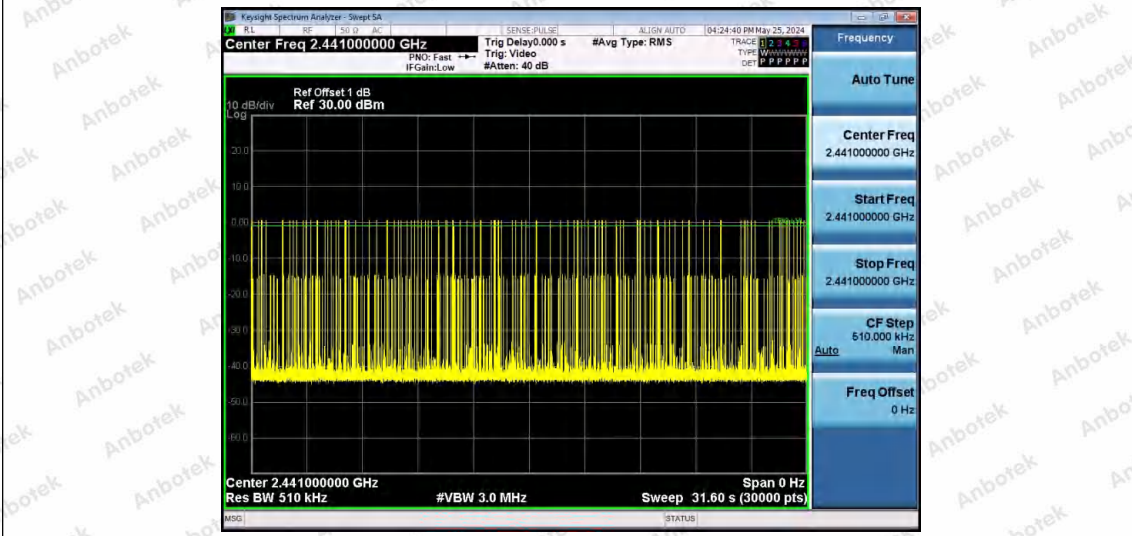
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2DH5-Ant1-Hop-PASS



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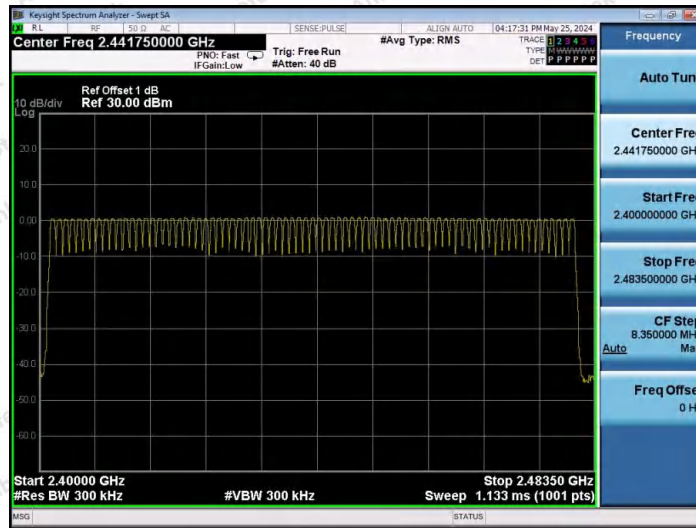
Appendix F: Number of Hopping Channel

Test Result

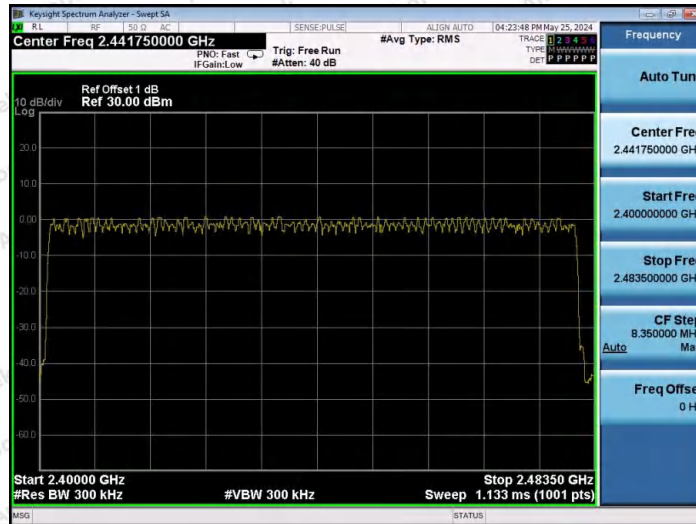
TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS



Test Graphs



DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS

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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	0.08	-42.4	≤-19.92	PASS
DH5	Ant1	High	2480	-0.11	-51.47	≤-20.11	PASS
DH5	Ant1	Low	Hop_2402	-0.17	-41.89	≤-20.17	PASS
DH5	Ant1	High	Hop_2480	0.11	-51.03	≤-19.89	PASS
2DH5	Ant1	Low	2402	0.27	-43.81	≤-19.73	PASS
2DH5	Ant1	High	2480	-0.01	-52.89	≤-20.01	PASS
2DH5	Ant1	Low	Hop_2402	-1.86	-41.87	≤-21.86	PASS
2DH5	Ant1	High	Hop_2480	-1.87	-52.02	≤-21.87	PASS

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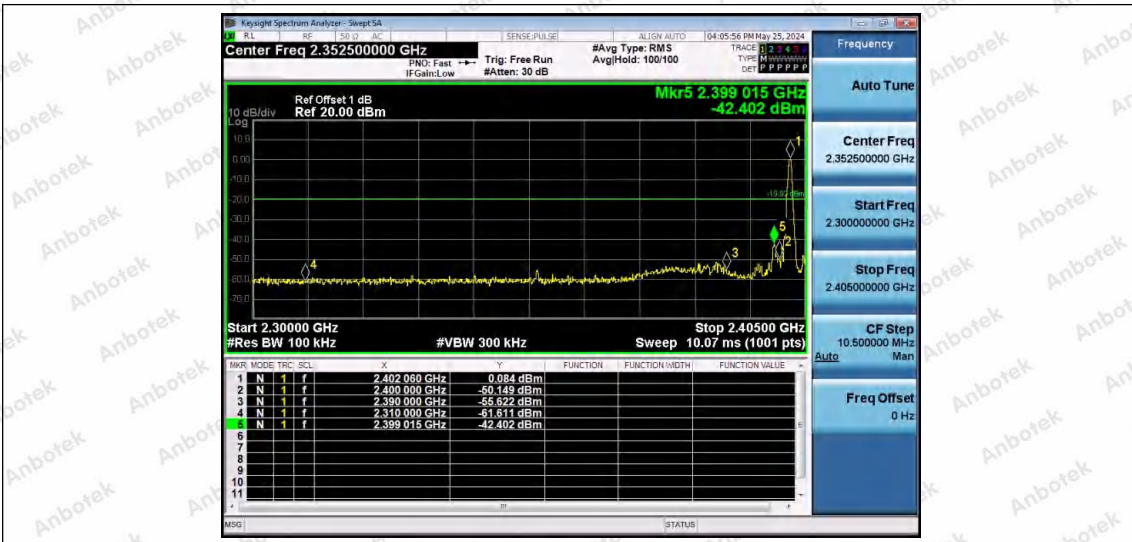
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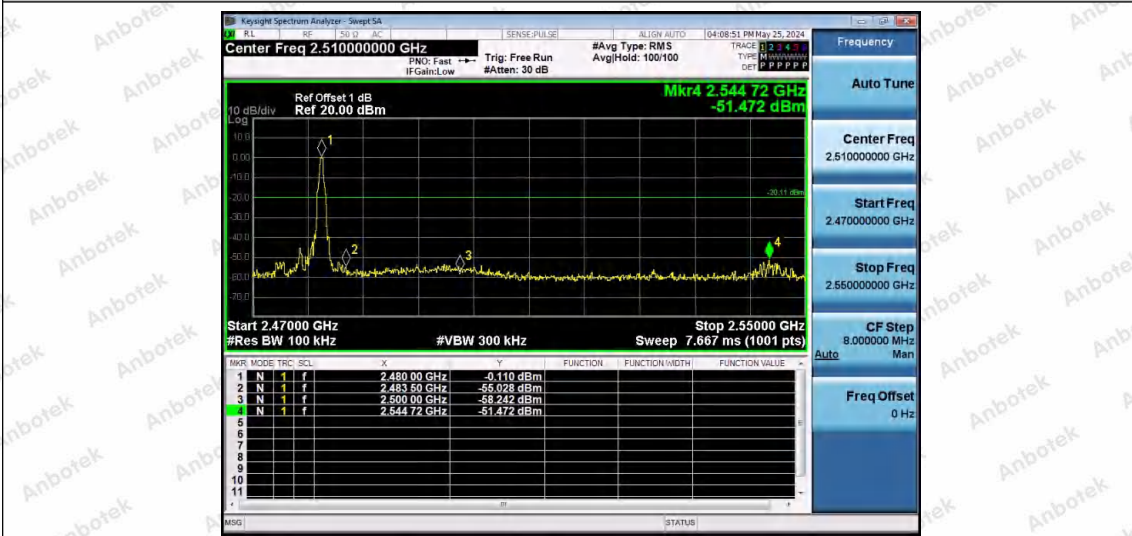
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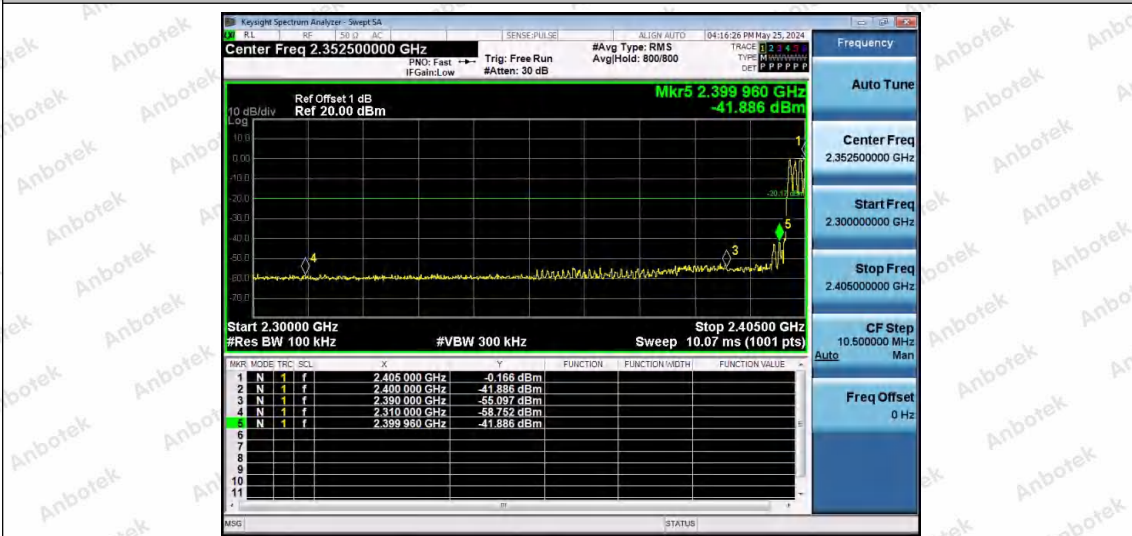
Test Graphs



DH5-Ant1-2402-PASS



DH5-Ant1-2480-PASS



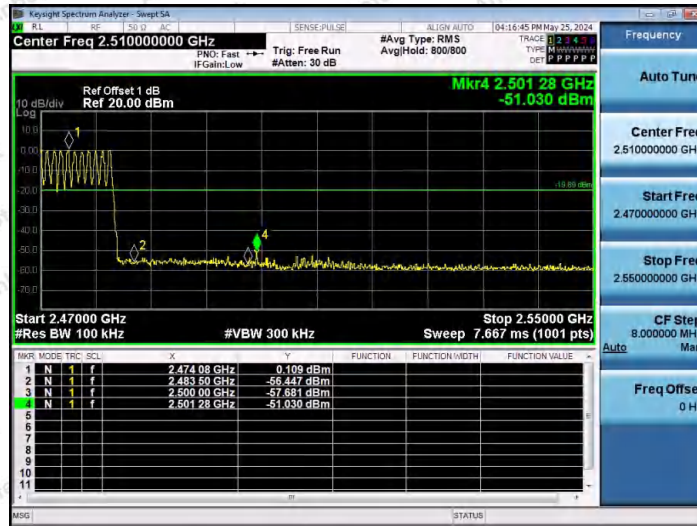
DH5-Ant1-Hop_2402-PASS

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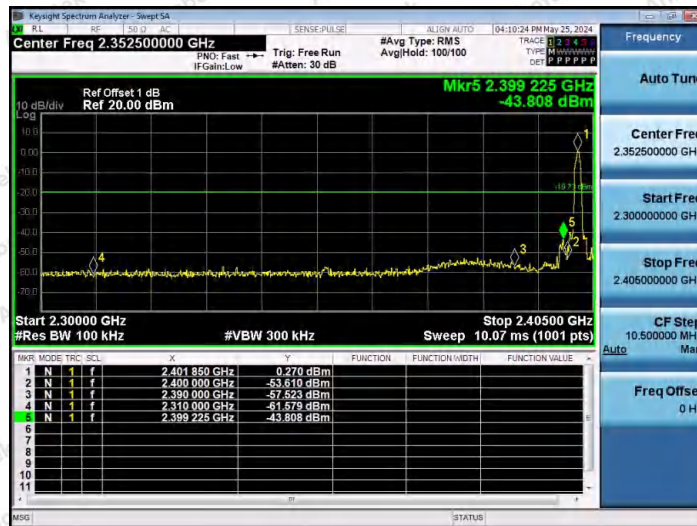
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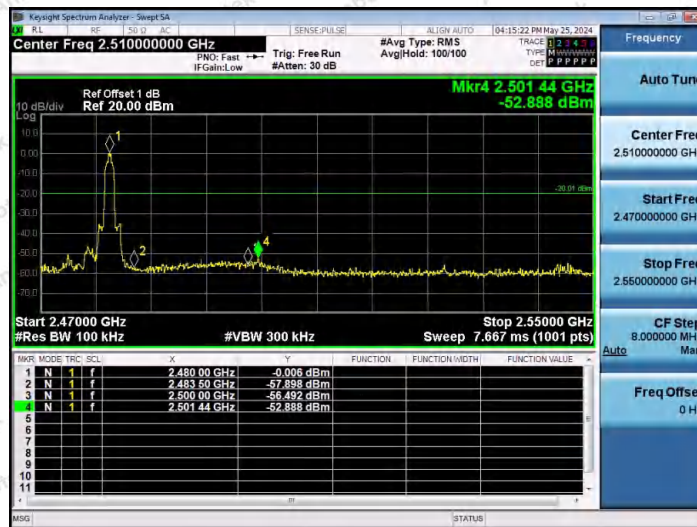




DH5-Ant1-Hop_2480-PASS



2DH5-Ant1-2402-PASS



2DH5-Ant1-2480-PASS

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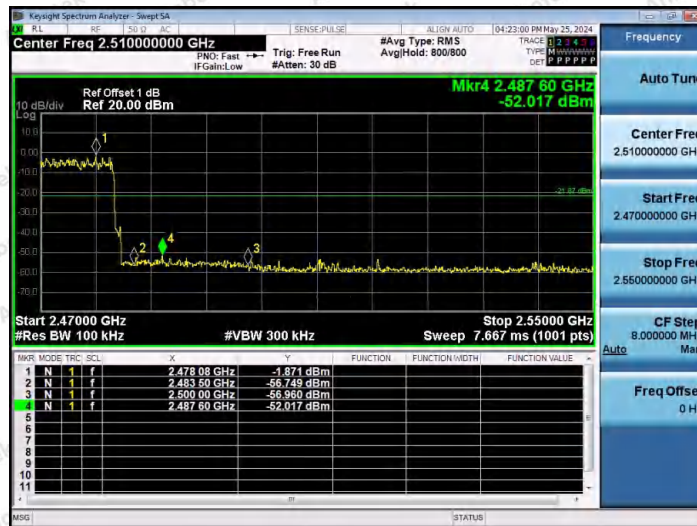
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2DH5-Ant1-Hop_2402-PASS



2DH5-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	-0.68	-0.68	---	PASS
DH5	Ant1	2402	30~1000	-0.68	-68.45	≤-20.68	PASS
DH5	Ant1	2402	1000~26500	-0.68	-41.47	≤-20.68	PASS
DH5	Ant1	2441	0~Reference	-0.13	-0.13	---	PASS
DH5	Ant1	2441	30~1000	-0.13	-69.07	≤-20.13	PASS
DH5	Ant1	2441	1000~26500	-0.13	-43.06	≤-20.13	PASS
DH5	Ant1	2480	0~Reference	-0.02	-0.02	---	PASS
DH5	Ant1	2480	30~1000	-0.02	-68.18	≤-20.02	PASS
DH5	Ant1	2480	1000~26500	-0.02	-42.68	≤-20.02	PASS
2DH5	Ant1	2402	0~Reference	-1.04	-1.04	---	PASS
2DH5	Ant1	2402	30~1000	-1.04	-68.95	≤-21.04	PASS
2DH5	Ant1	2402	1000~26500	-1.04	-41.97	≤-21.04	PASS
2DH5	Ant1	2441	0~Reference	0.55	0.55	---	PASS
2DH5	Ant1	2441	30~1000	0.55	-69.26	≤-19.45	PASS
2DH5	Ant1	2441	1000~26500	0.55	-44.03	≤-19.45	PASS
2DH5	Ant1	2480	0~Reference	-0.63	-0.63	---	PASS
2DH5	Ant1	2480	30~1000	-0.63	-68.17	≤-20.63	PASS
2DH5	Ant1	2480	1000~26500	-0.63	-42.47	≤-20.63	PASS

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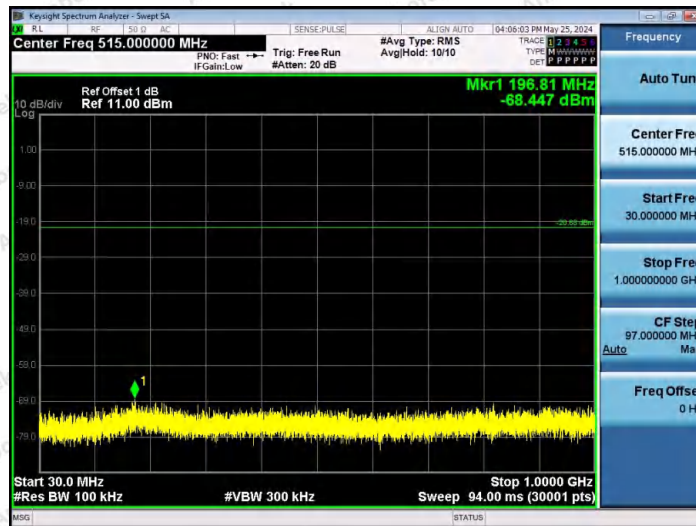
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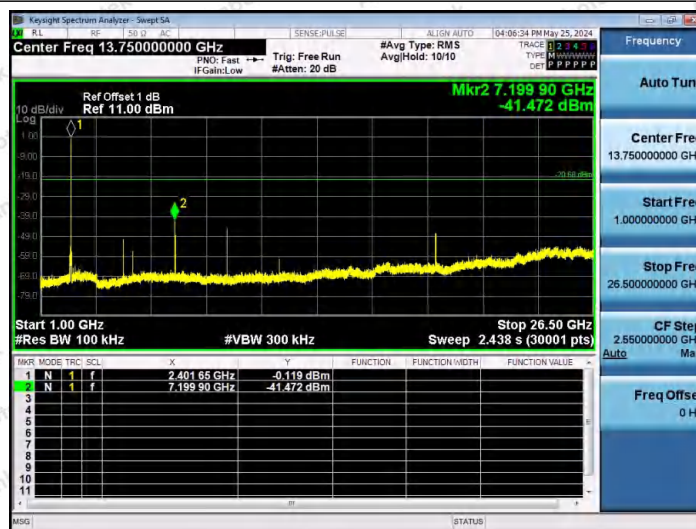
Test Graphs



DH5-Ant1-2402-0~Reference-PASS



DH5-Ant1-2402-30~1000-PASS



DH5-Ant1-2402-1000~26500-PASS

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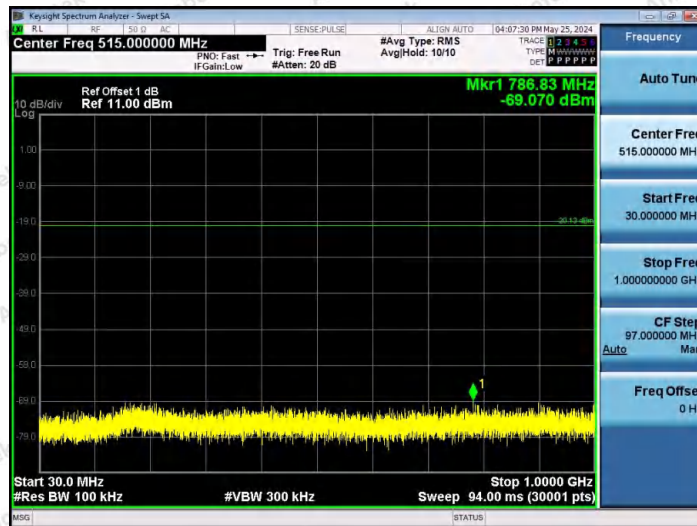
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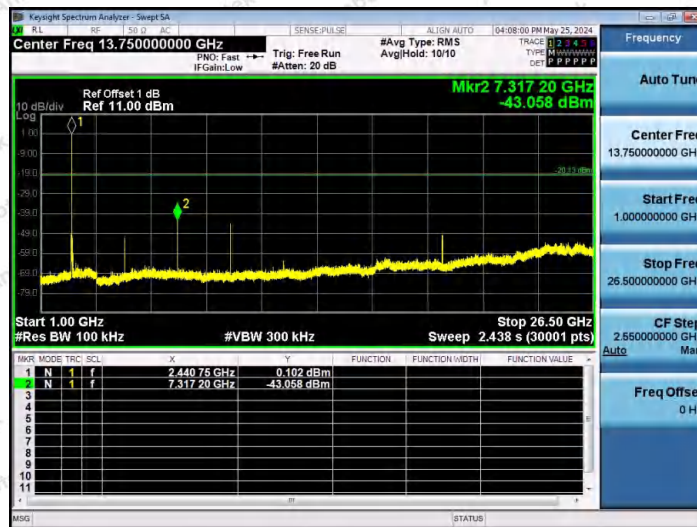




DH5-Ant1-2441-0~Reference-PASS



DH5-Ant1-2441-30~1000-PASS



DH5-Ant1-2441-1000~26500-PASS

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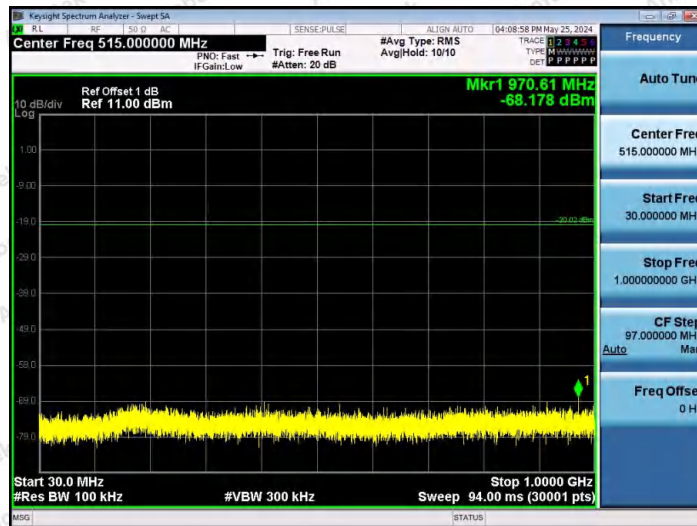
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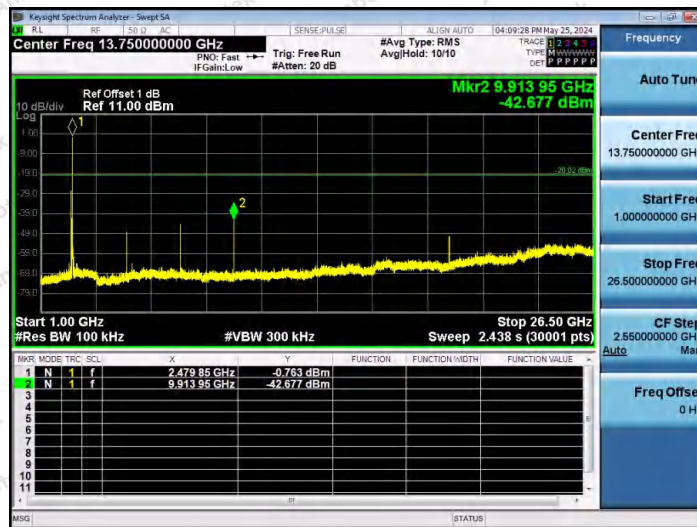




DH5-Ant1-2480-0~Reference-PASS



DH5-Ant1-2480-30~1000-PASS



DH5-Ant1-2480-1000~26500-PASS

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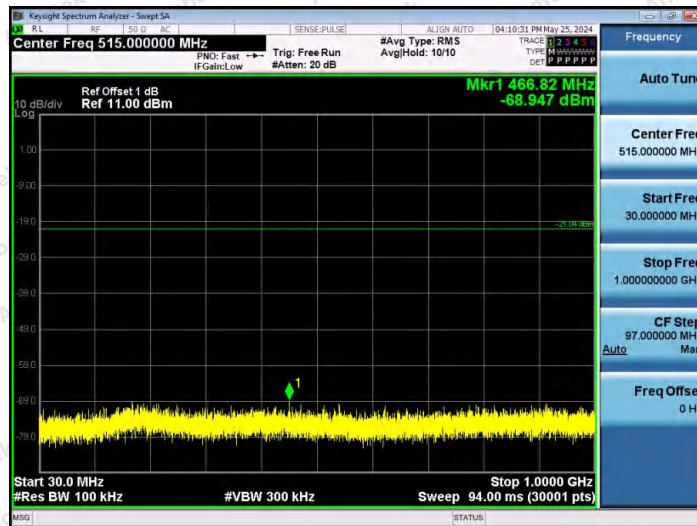
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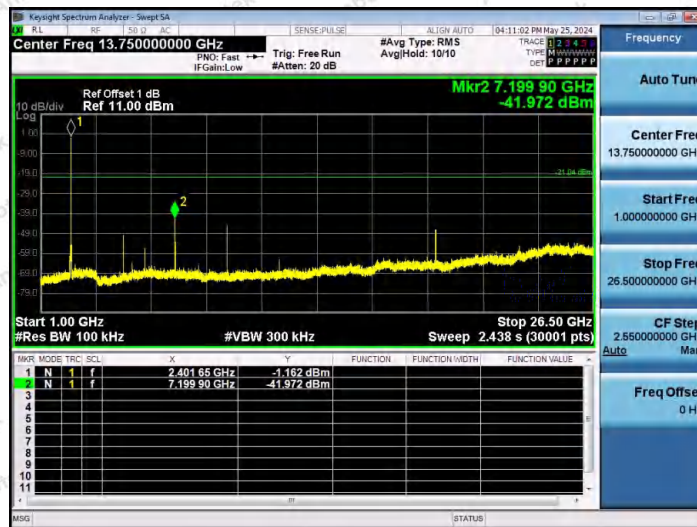




2DH5-Ant1-2402-0~Reference-PASS



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



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

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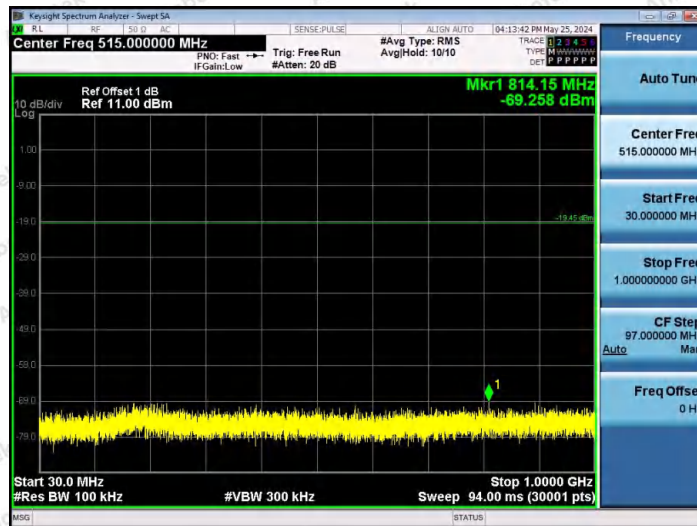
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

Hotline 400-003-0500
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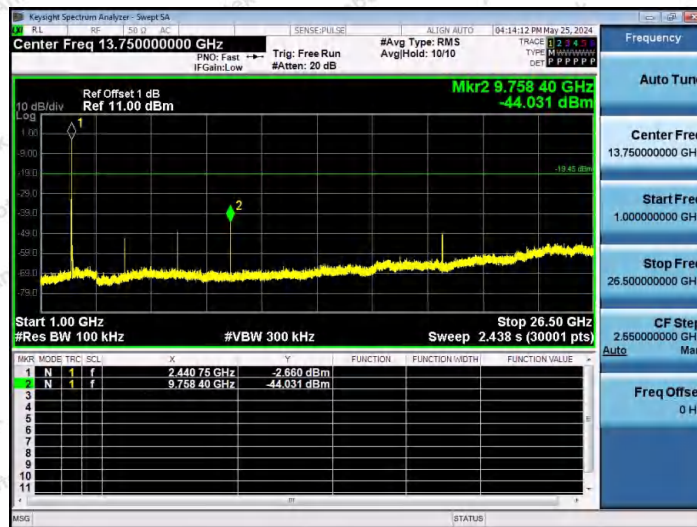




2DH5-Ant1-2441-0~Reference-PASS



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



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

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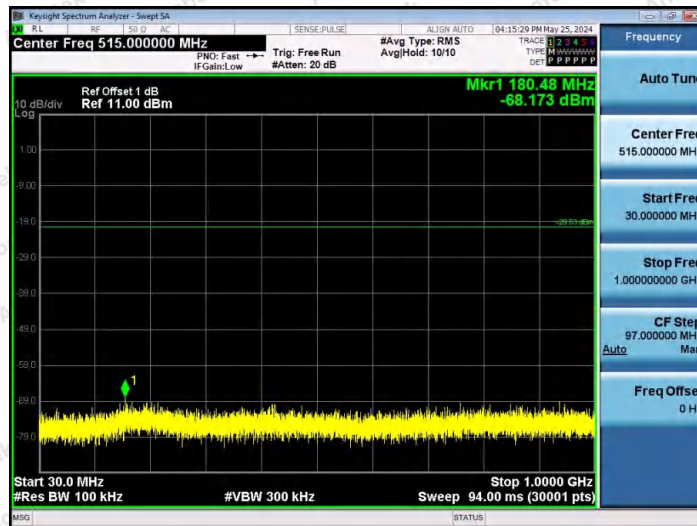
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
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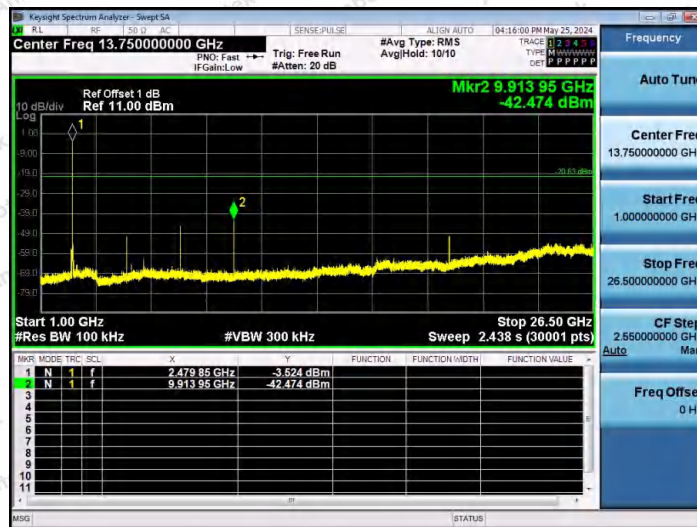




2DH5-Ant1-2480-0~Reference-PASS



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



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

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Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.89	3.75	77.07	1.13
DH5	Ant1	2441	2.89	3.75	77.07	1.13
DH5	Ant1	2480	2.89	3.75	77.07	1.13
2DH5	Ant1	2402	2.89	3.75	77.07	1.13
2DH5	Ant1	2441	2.89	3.76	76.86	1.14
2DH5	Ant1	2480	2.89	3.75	77.07	1.13

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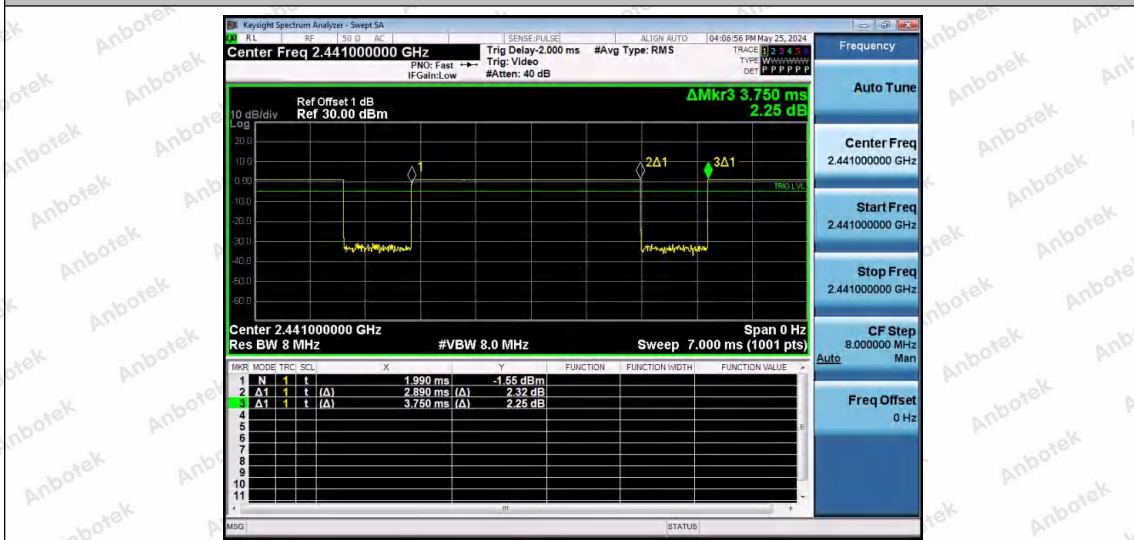
Hotline
400-003-0500
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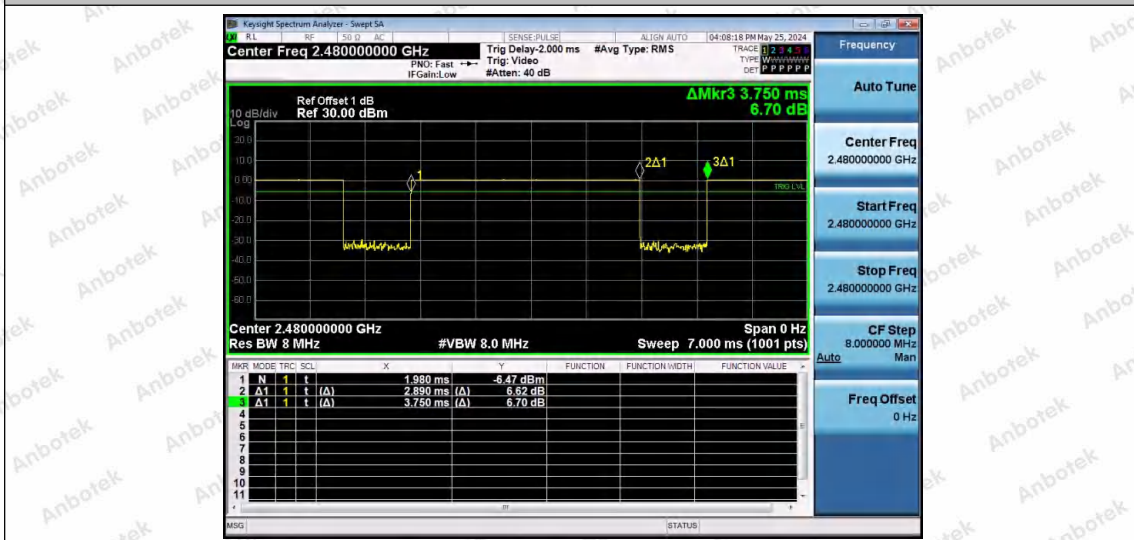
Test Graphs



NTNV-DH5-Ant1-2402



NTNV-DH5-Ant1-2441



NTNV-DH5-Ant1-2480

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NTNV-2DH5-Ant1-2402



NTNV-2DH5-Ant1-2441



NTNV-2DH5-Ant1-2480

---End---

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