

Appendix Test Data

Report No.:	18220WC40078501	Test Sample No.:	1-2-2
Start Test Date:	2024.05.22	Finish Test Date:	2024.05.23
Test Engineer:	<i>Joker Wang</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	0.987	2401.496	2402.483	---	---
DH5	Ant1	2441	1.020	2440.490	2441.510	---	---
DH5	Ant1	2480	1.017	2479.481	2480.498	---	---
2DH5	Ant1	2402	1.281	2401.364	2402.645	---	---
2DH5	Ant1	2441	1.320	2440.334	2441.654	---	---
2DH5	Ant1	2480	1.311	2479.337	2480.648	---	---

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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 B: 99% Occupied Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.87763	2401.5521	2402.4297	---	---
DH5	Ant1	2441	0.90008	2440.5519	2441.4520	---	---
DH5	Ant1	2480	0.89745	2479.5394	2480.4368	---	---
2DH5	Ant1	2402	1.1822	2401.4075	2402.5897	---	---
2DH5	Ant1	2441	1.1997	2440.3984	2441.5981	---	---
2DH5	Ant1	2480	1.1905	2479.4004	2480.5909	---	---

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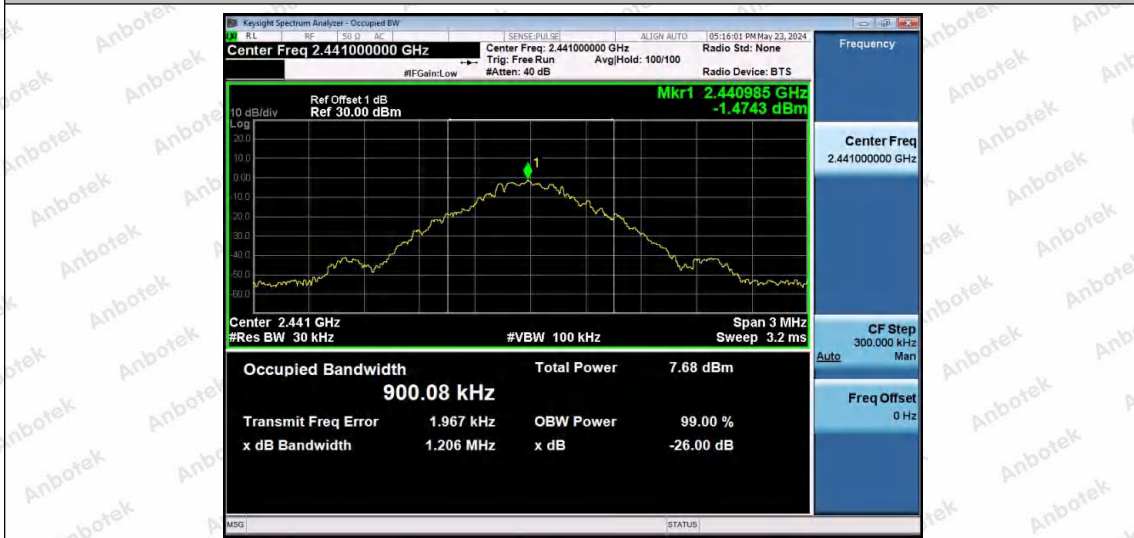
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Test Graphs



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	0.79	≤20.97	PASS
DH5	Ant1	2441	1.06	≤20.97	PASS
DH5	Ant1	2480	1.18	≤20.97	PASS
2DH5	Ant1	2402	1.67	≤20.97	PASS
2DH5	Ant1	2441	1.90	≤20.97	PASS
2DH5	Ant1	2480	2.00	≤20.97	PASS

Test Graphs



DH5-Ant1-2402-PASS



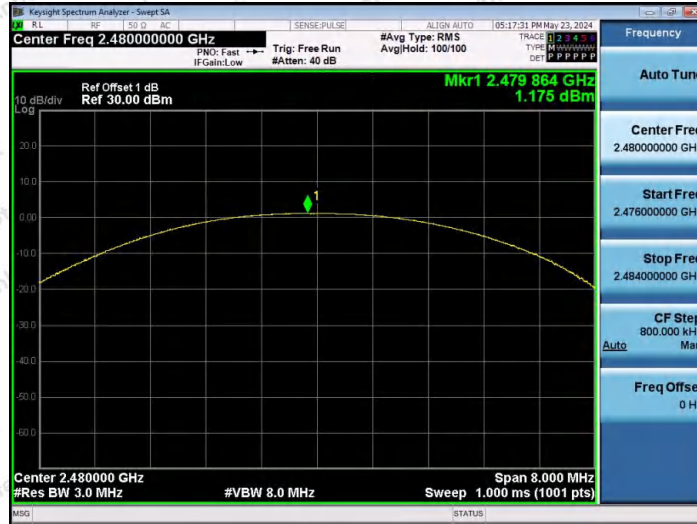
DH5-Ant1-2441-PASS

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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	1.016	≥0.680	PASS
2DH5	Ant1	Hop	0.998	≥0.880	PASS

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Test Graphs



DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-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	318	0.121	≤0.4	PASS
DH3	Ant1	Hop	1.638	151	0.247	≤0.4	PASS
DH5	Ant1	Hop	2.885	109	0.314	≤0.4	PASS
2DH1	Ant1	Hop	0.390	320	0.125	≤0.4	PASS
2DH3	Ant1	Hop	1.642	160	0.263	≤0.4	PASS
2DH5	Ant1	Hop	2.891	118	0.341	≤0.4	PASS

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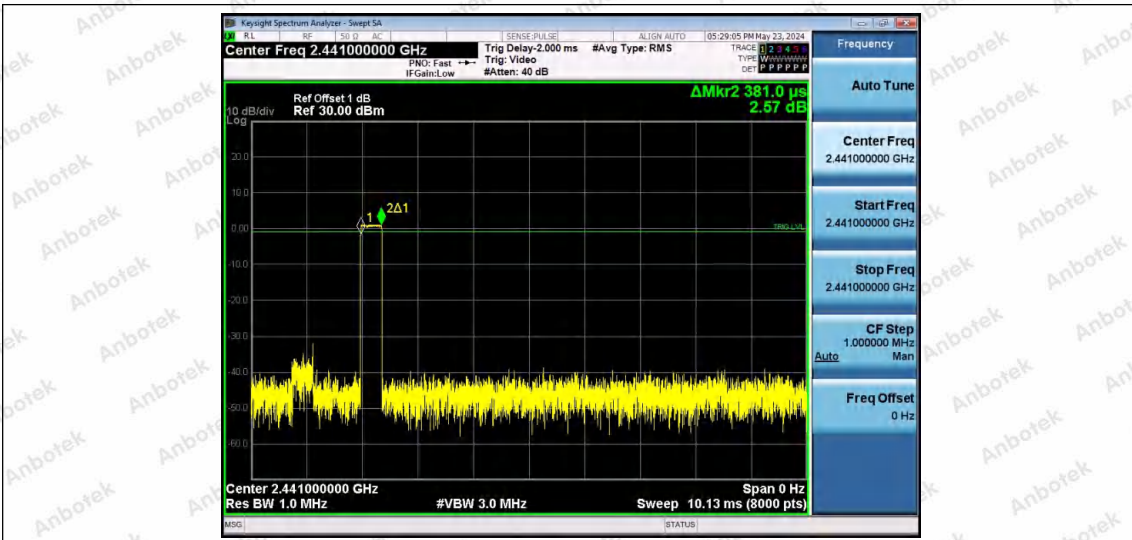
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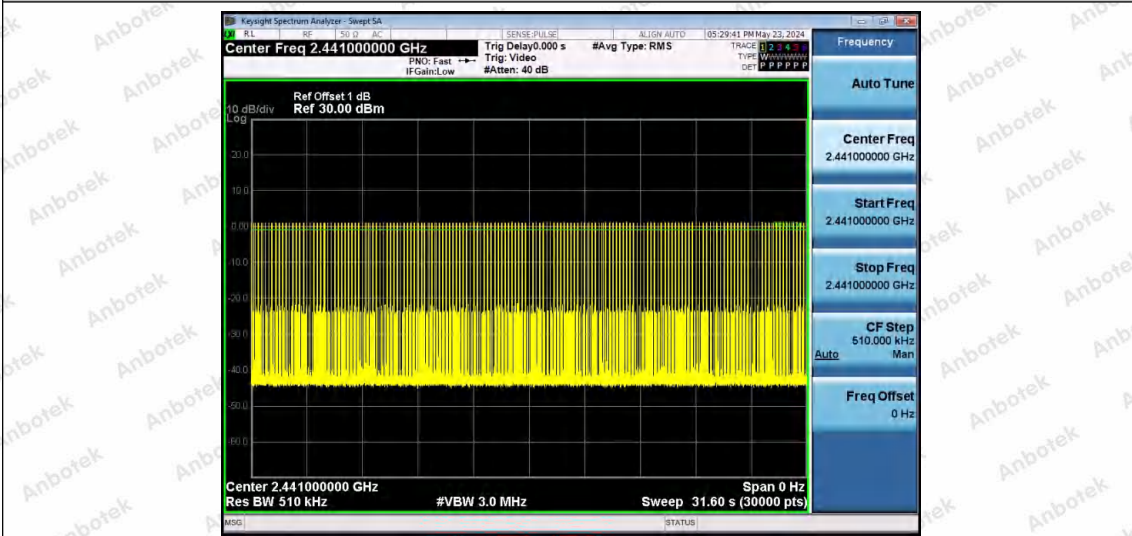
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Test Graphs



DH1-Ant1-Hop-PASS



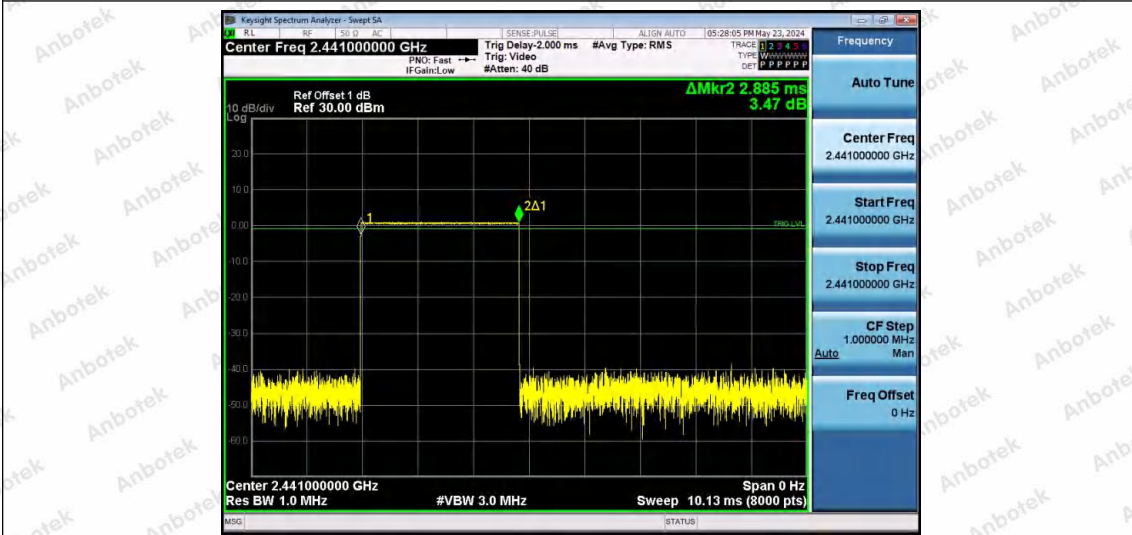
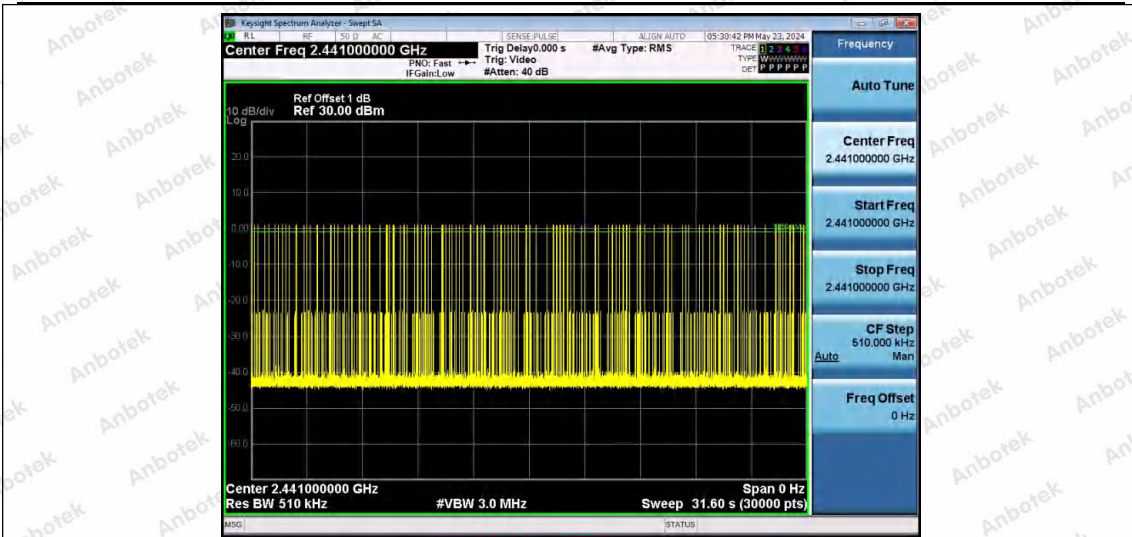
DH3-Ant1-Hop-PASS

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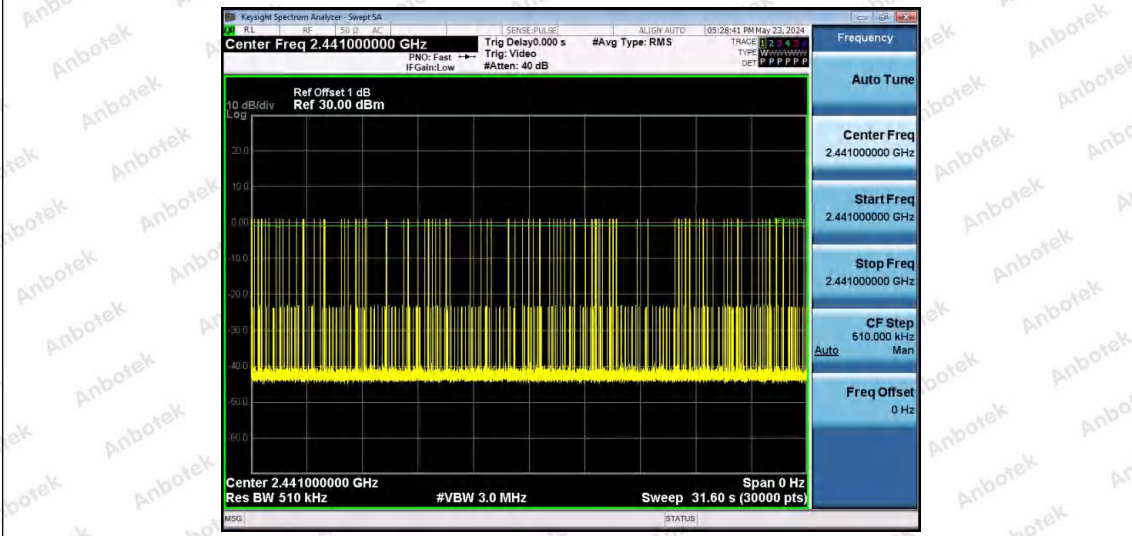
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DH5-Ant1-Hop-PASS

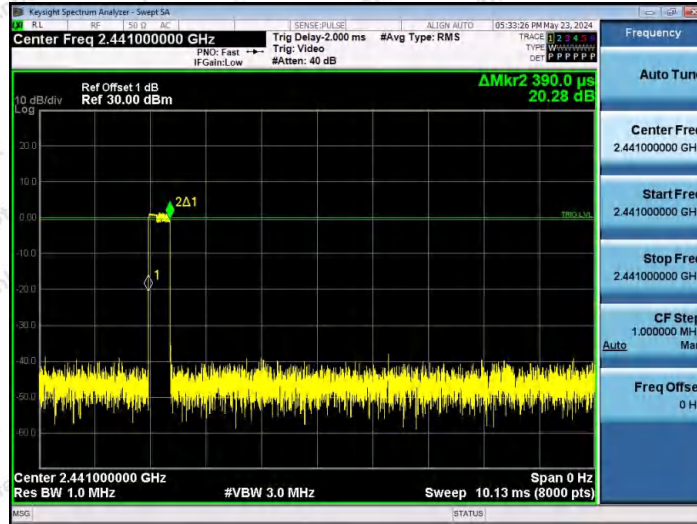


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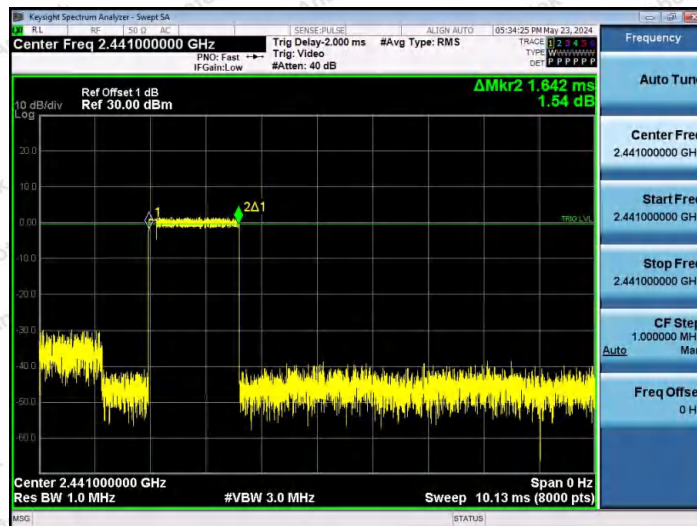
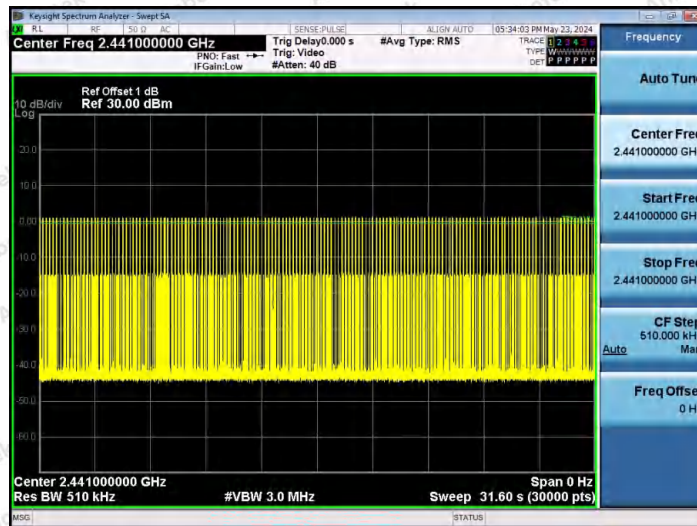
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2DH1-Ant1-Hop-PASS



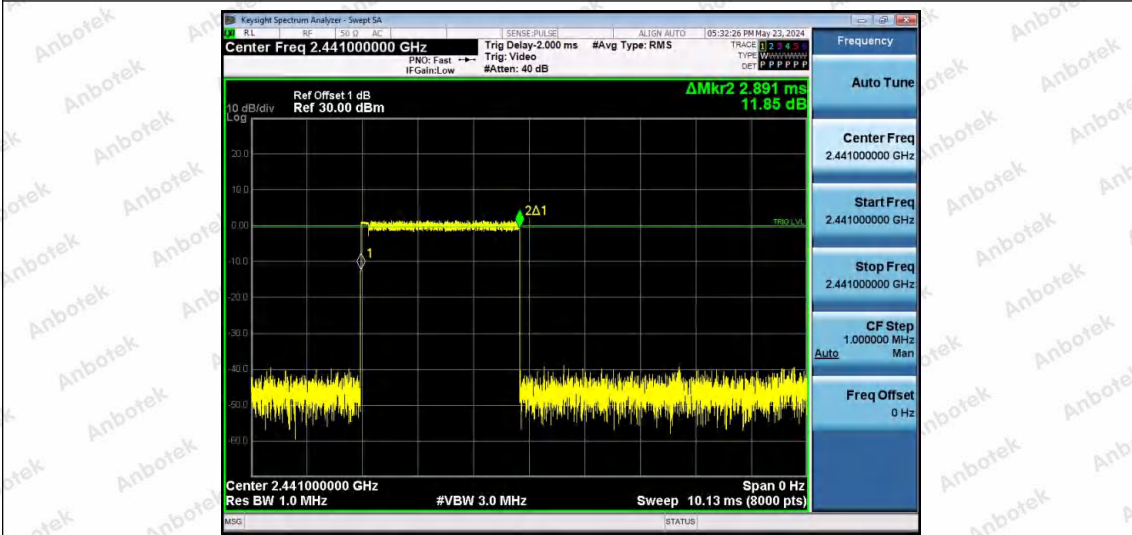
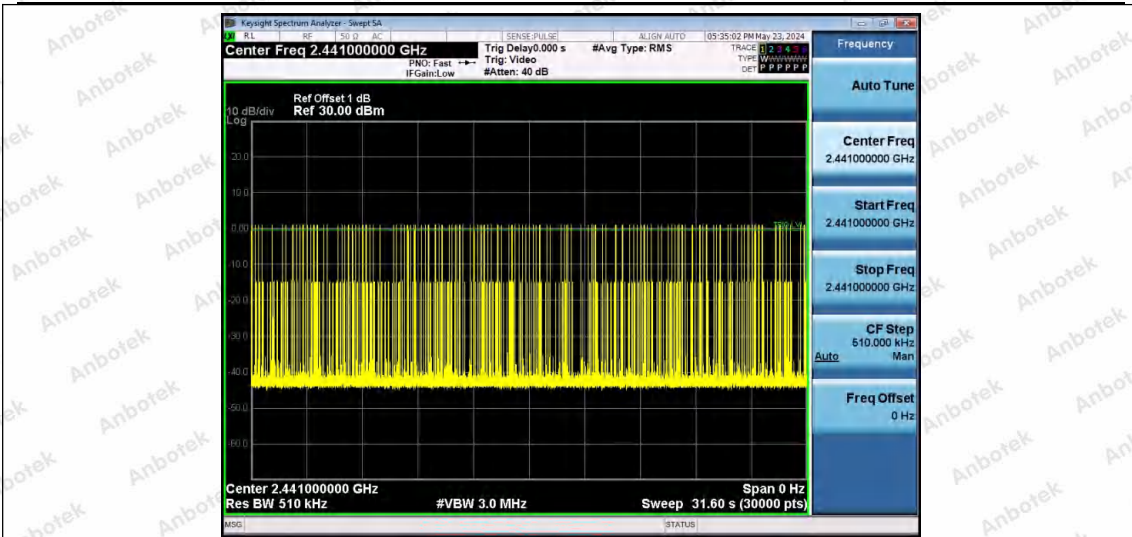
2DH3-Ant1-Hop-PASS

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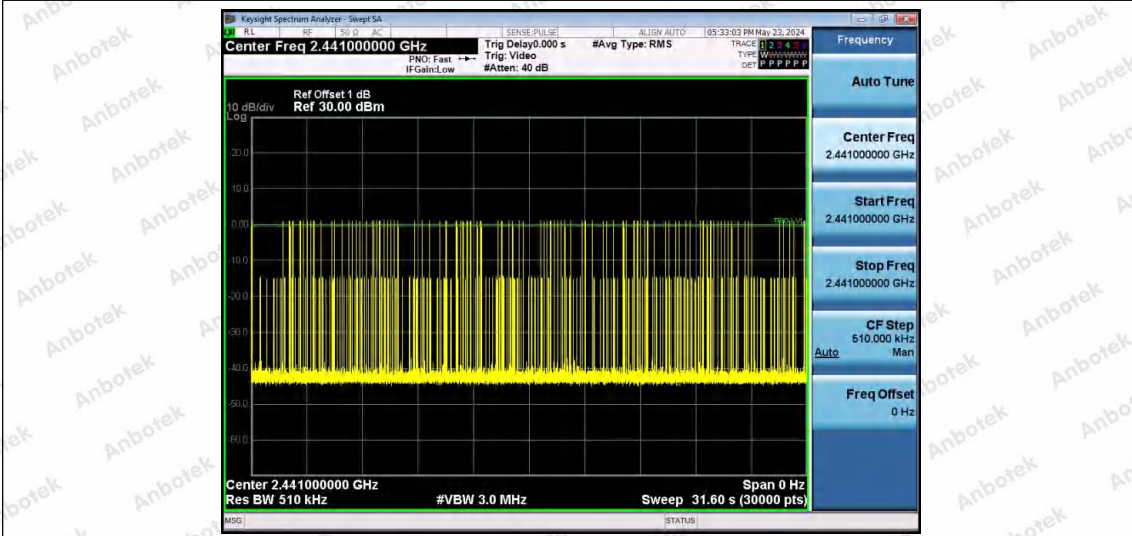
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2DH5-Ant1-Hop-PASS



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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

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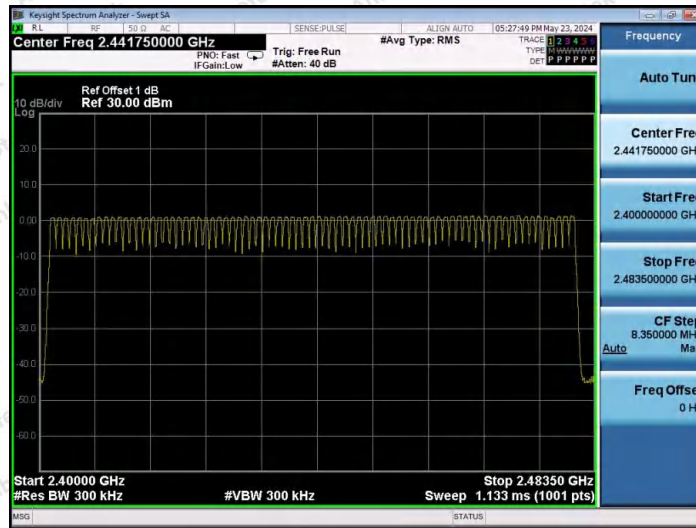
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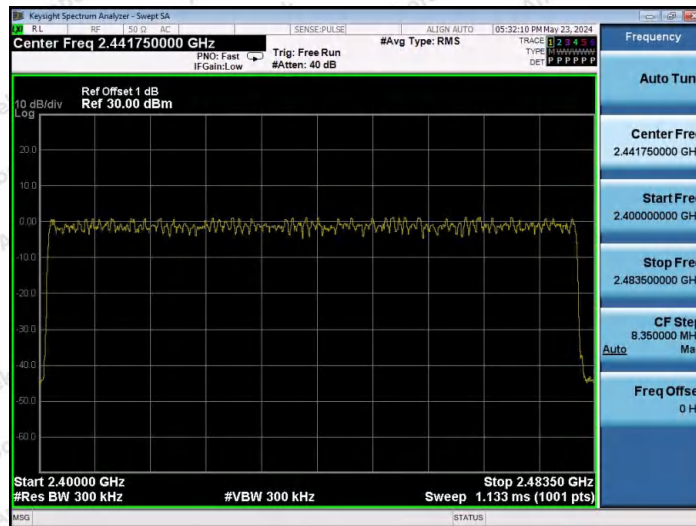
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Test Graphs



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	0.25	-52.09	≤-19.75	PASS
DH5	Ant1	High	2480	0.75	-52.2	≤-19.25	PASS
DH5	Ant1	Low	Hop_2402	0.23	-52.69	≤-19.77	PASS
DH5	Ant1	High	Hop_2480	0.77	-51.97	≤-19.23	PASS
2DH5	Ant1	Low	2402	0.37	-52.95	≤-19.63	PASS
2DH5	Ant1	High	2480	0.94	-52.36	≤-19.06	PASS
2DH5	Ant1	Low	Hop_2402	-0.70	-52.65	≤-20.7	PASS
2DH5	Ant1	High	Hop_2480	0.86	-52.85	≤-19.14	PASS

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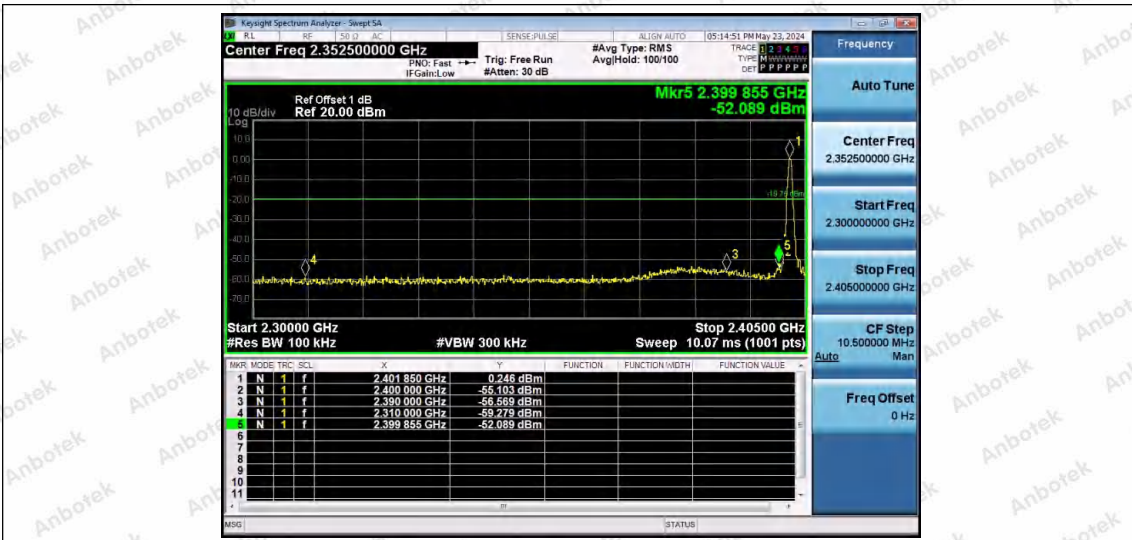
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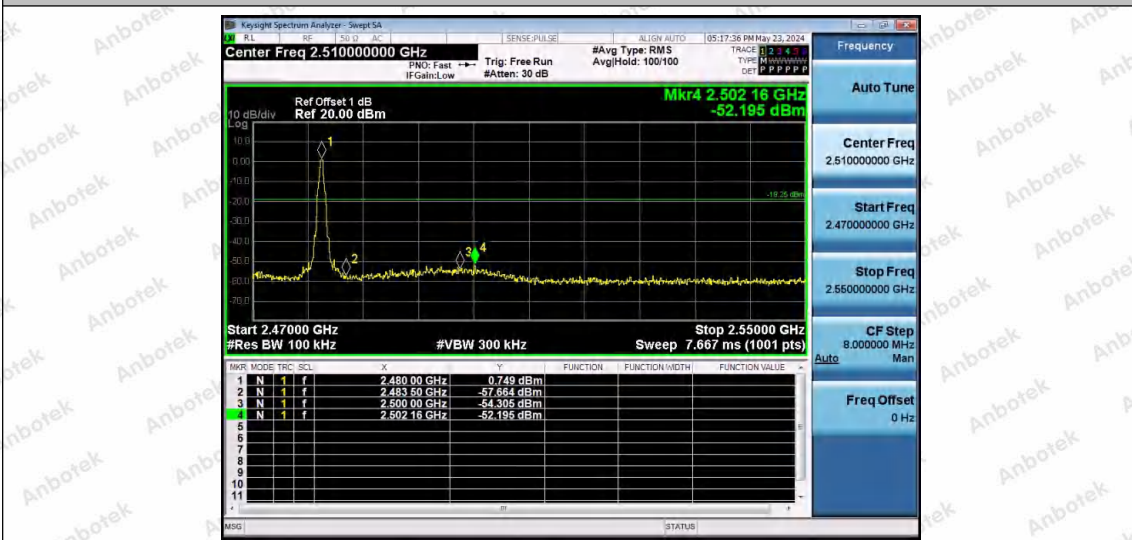
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Test Graphs



DH5-Ant1-2402-PASS



DH5-Ant1-2480-PASS



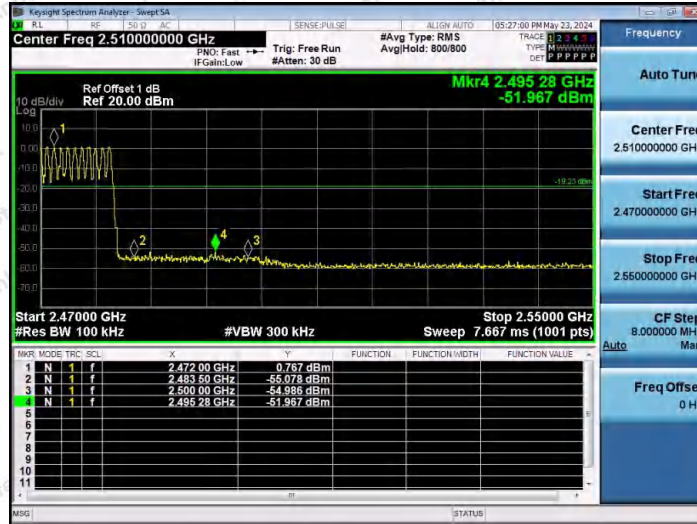
DH5-Ant1-Hop_2402-PASS

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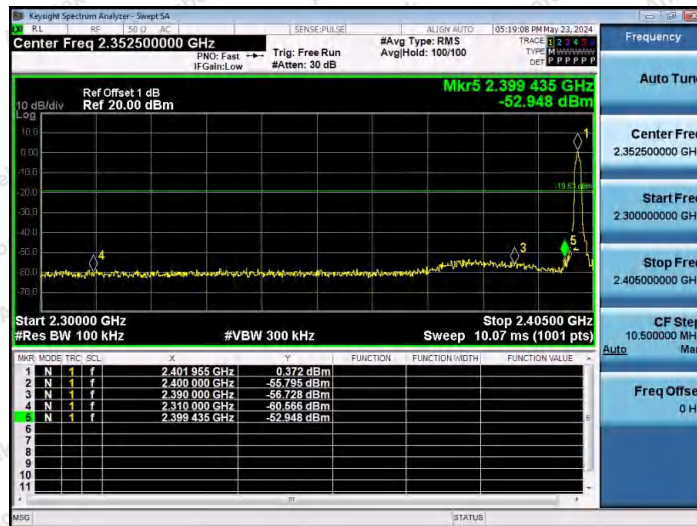
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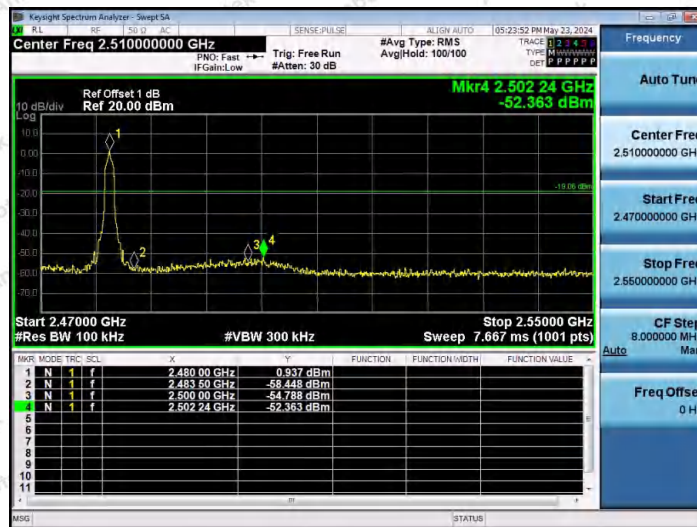




DH5-Ant1-Hop_2480-PASS



2DH5-Ant1-2402-PASS



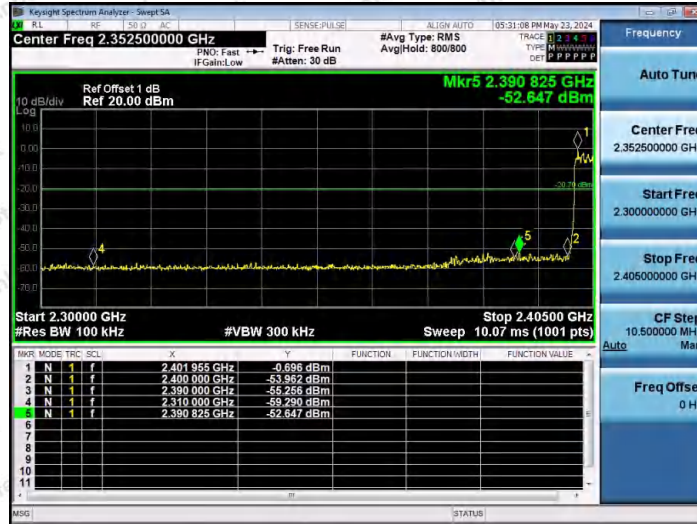
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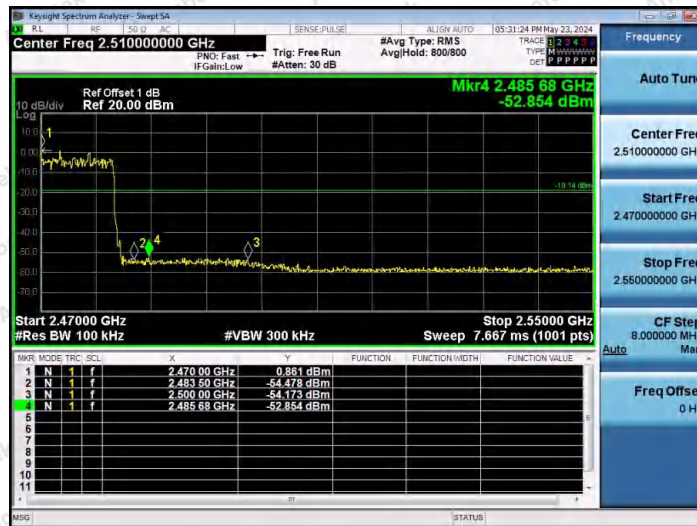
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2DH5-Ant1-Hop_2402-PASS



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	-0.07	-0.07	---	PASS
DH5	Ant1	2402	30~1000	-0.07	-68.49	≤-20.07	PASS
DH5	Ant1	2402	1000~26500	-0.07	-43.04	≤-20.07	PASS
DH5	Ant1	2441	0~Reference	0.32	0.32	---	PASS
DH5	Ant1	2441	30~1000	0.32	-68.97	≤-19.68	PASS
DH5	Ant1	2441	1000~26500	0.32	-42	≤-19.68	PASS
DH5	Ant1	2480	0~Reference	0.66	0.66	---	PASS
DH5	Ant1	2480	30~1000	0.66	-68.92	≤-19.34	PASS
DH5	Ant1	2480	1000~26500	0.66	-42.23	≤-19.34	PASS
2DH5	Ant1	2402	0~Reference	-1.49	-1.49	---	PASS
2DH5	Ant1	2402	30~1000	-1.49	-69.52	≤-21.49	PASS
2DH5	Ant1	2402	1000~26500	-1.49	-42.55	≤-21.49	PASS
2DH5	Ant1	2441	0~Reference	-0.17	-0.17	---	PASS
2DH5	Ant1	2441	30~1000	-0.17	-68.75	≤-20.17	PASS
2DH5	Ant1	2441	1000~26500	-0.17	-42.15	≤-20.17	PASS
2DH5	Ant1	2480	0~Reference	0.65	0.65	---	PASS
2DH5	Ant1	2480	30~1000	0.65	-68.64	≤-19.35	PASS
2DH5	Ant1	2480	1000~26500	0.65	-41.29	≤-19.35	PASS

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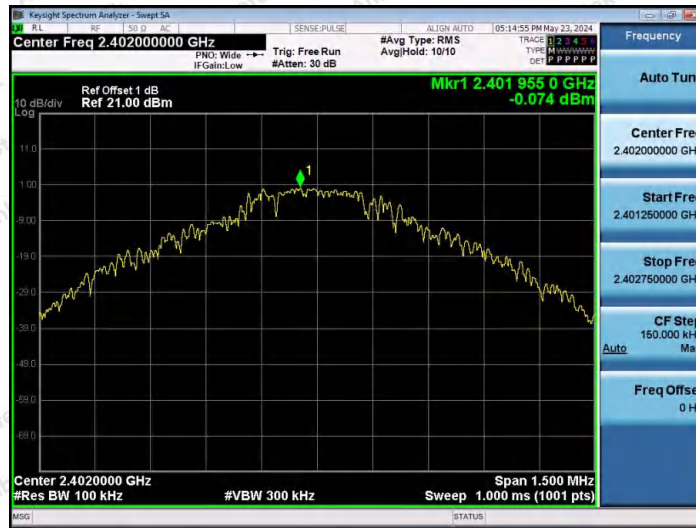
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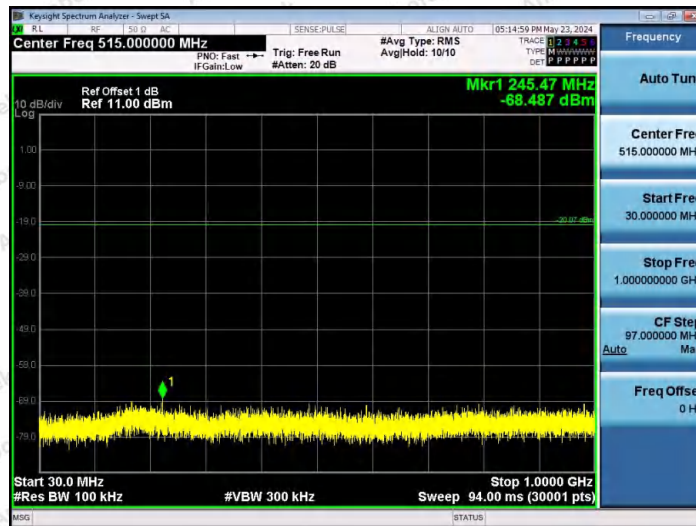
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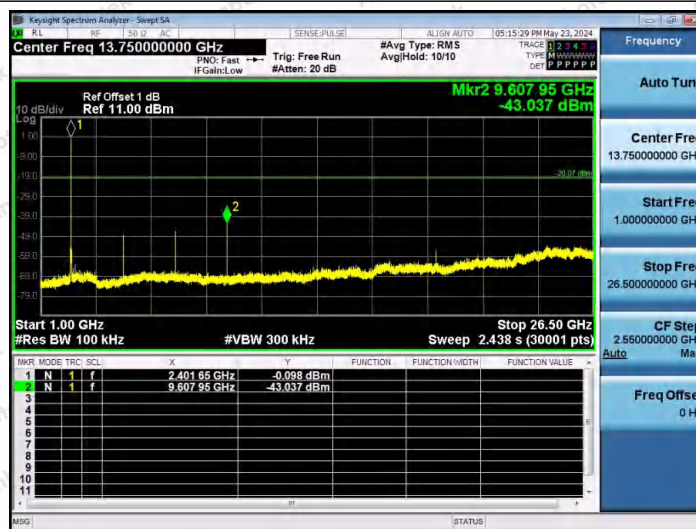
Test Graphs



DH5-Ant1-2402-0~Reference-PASS



DH5-Ant1-2402-30~1000-PASS



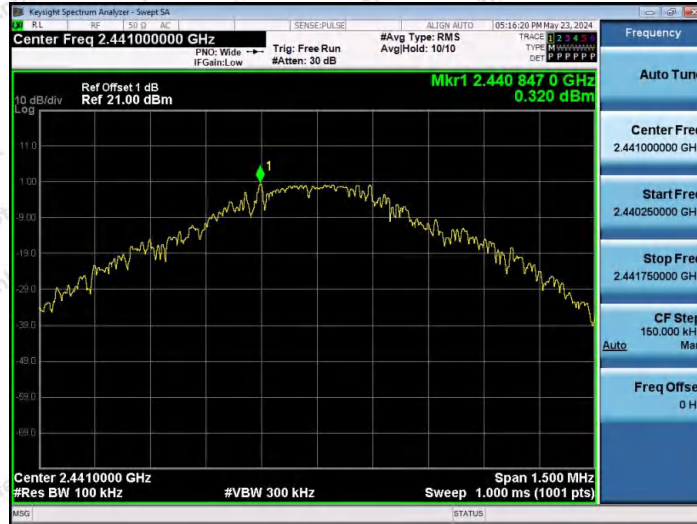
DH5-Ant1-2402-1000~26500-PASS

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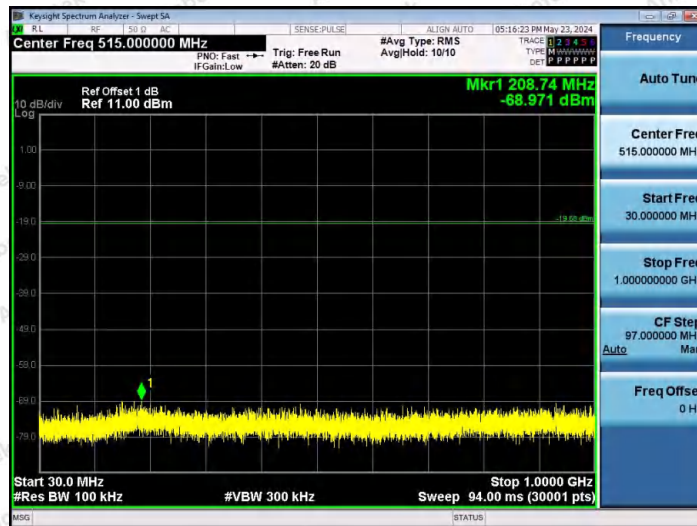
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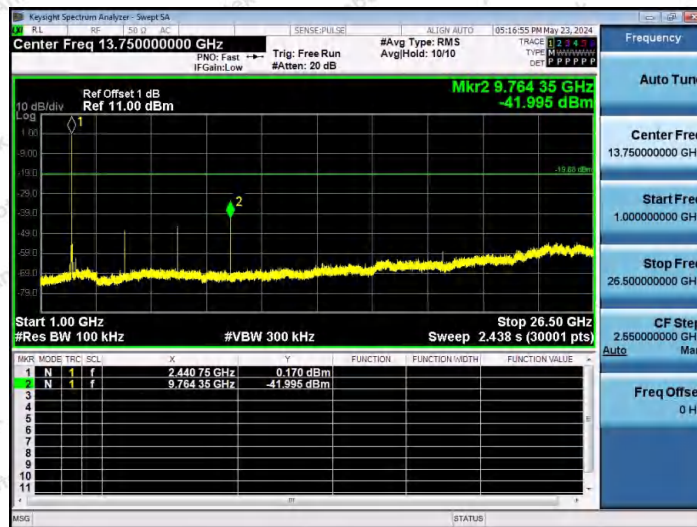




DH5-Ant1-2441-0~Reference-PASS



DH5-Ant1-2441-30~1000-PASS



DH5-Ant1-2441-1000~26500-PASS

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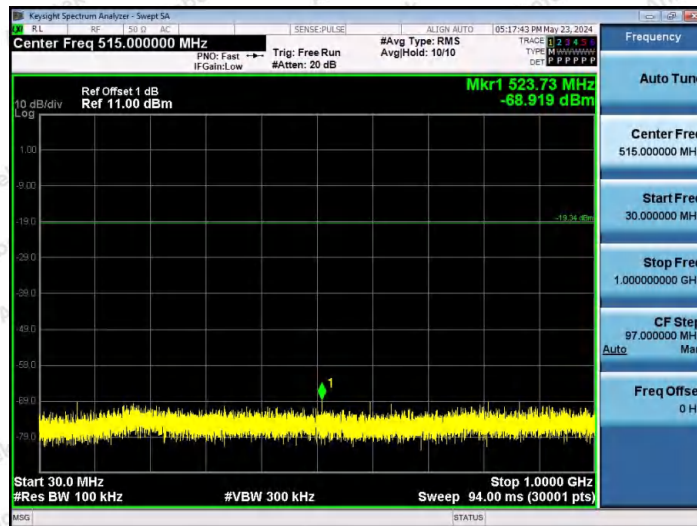
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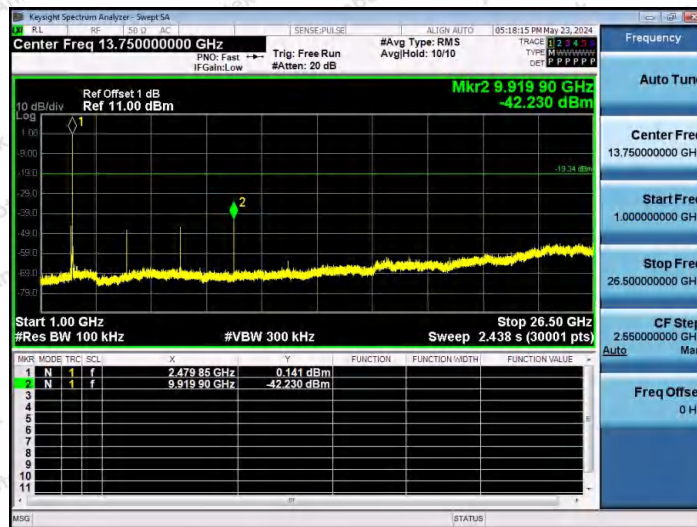




DH5-Ant1-2480-0~Reference-PASS



DH5-Ant1-2480-30~1000-PASS



DH5-Ant1-2480-1000~26500-PASS

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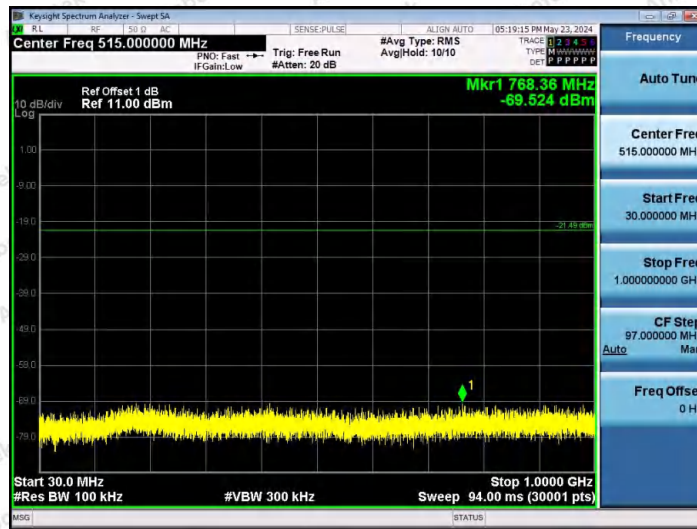
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

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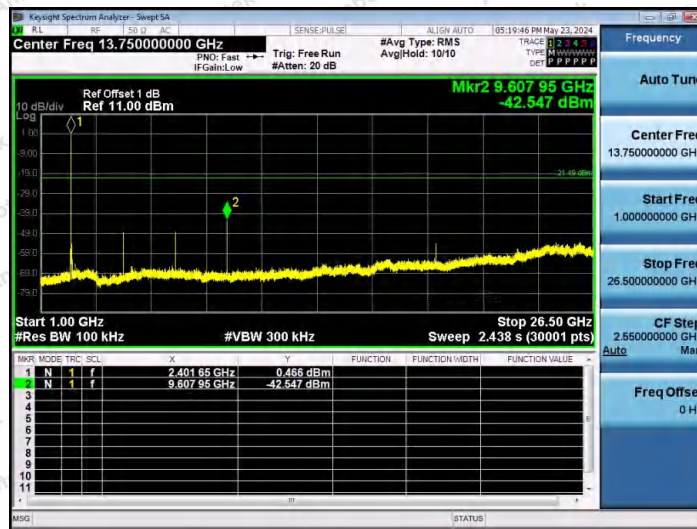




2DH5-Ant1-2402-0~Reference-PASS



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



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

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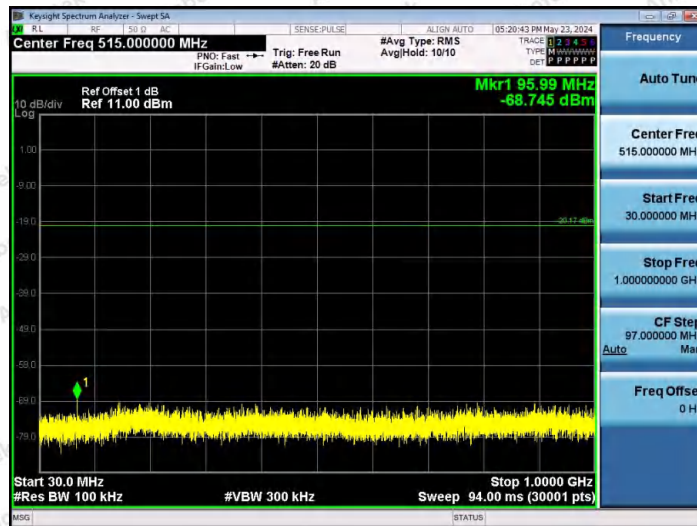
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
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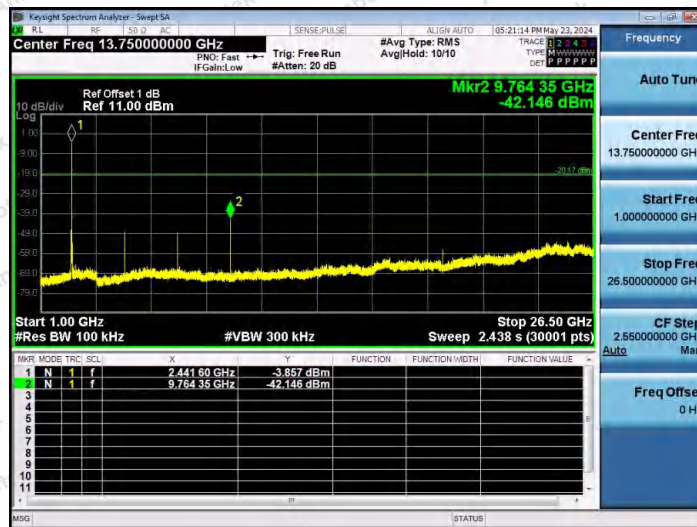




2DH5-Ant1-2441-0~Reference-PASS



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



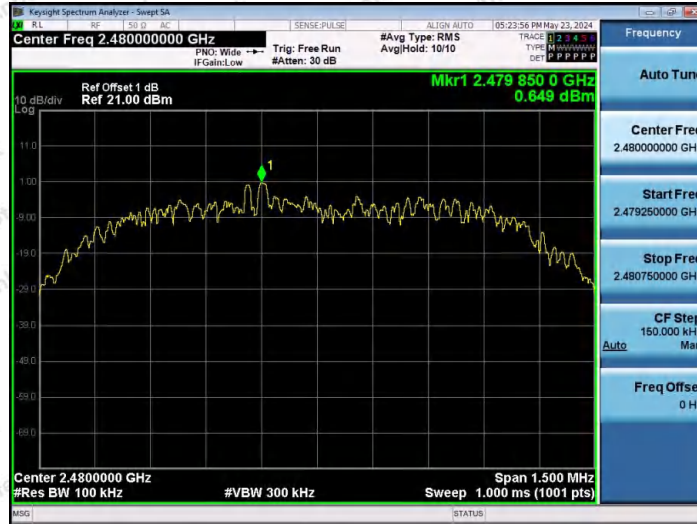
2DH5-Ant1-2441-1000~26500-PASS

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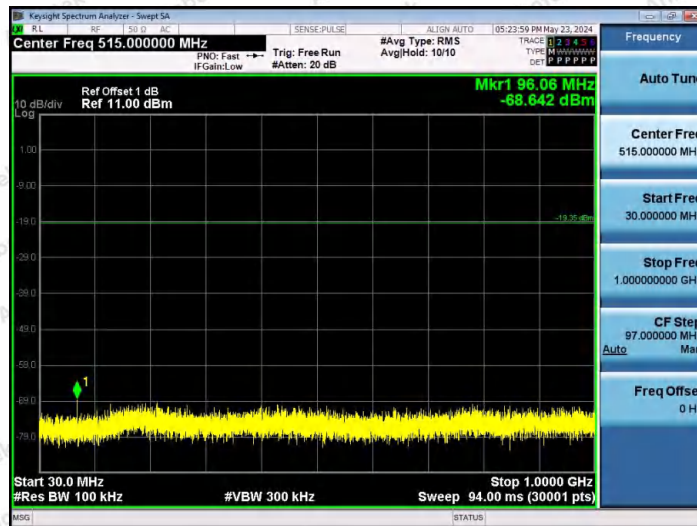
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
 Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

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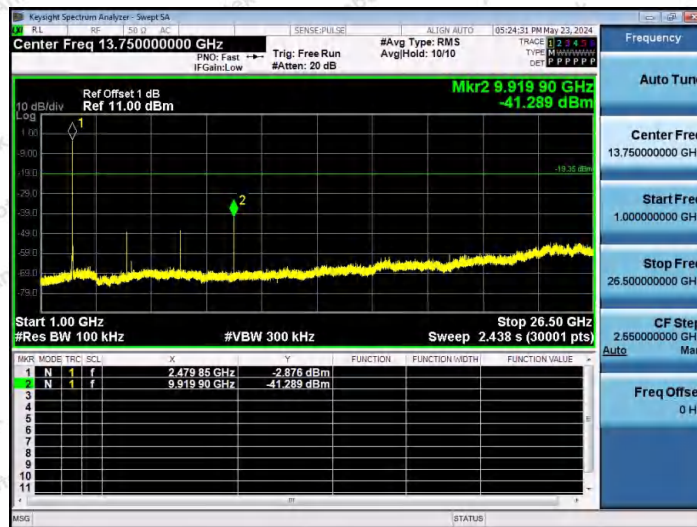




2DH5-Ant1-2480-0~Reference-PASS



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	2.88	3.75	76.80	1.15
DH5	Ant1	2441	2.88	3.74	77.01	1.13
DH5	Ant1	2480	2.88	3.74	77.01	1.13
2DH5	Ant1	2402	2.90	3.76	77.13	1.13
2DH5	Ant1	2441	2.90	3.75	77.33	1.12
2DH5	Ant1	2480	2.90	3.75	77.33	1.12

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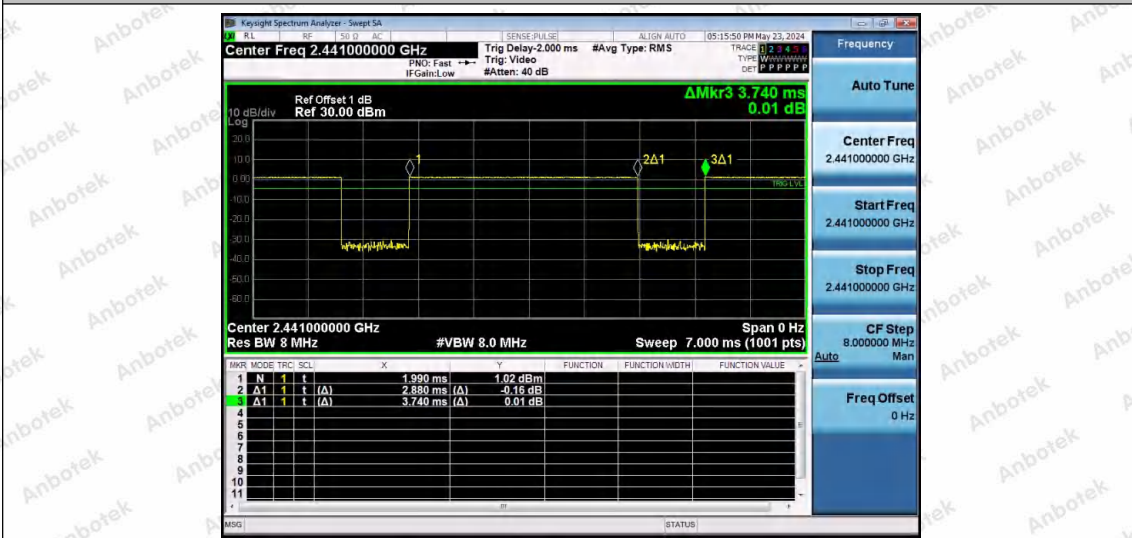
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Test Graphs



NTNV-DH5-Ant1-2402



NTNV-DH5-Ant1-2441



NTNV-DH5-Ant1-2480

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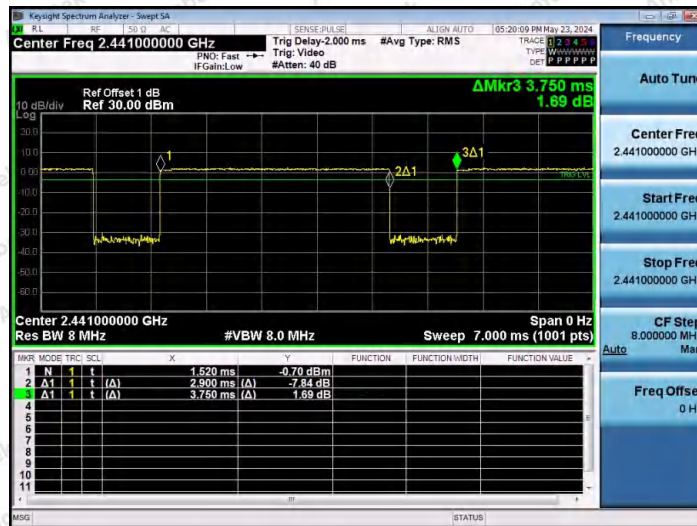
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
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NTNV-2DH5-Ant1-2402



NTNV-2DH5-Ant1-2441



NTNV-2DH5-Ant1-2480

---End---

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