

Appendix Test Data

Report No.:	182512C400261101	Test Sample No.:	1-2-2
Start Test Date:	2024.07.01	Finish Test Date:	2024.07.02
Test Engineer:	Joker Wang	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	0.831	2401.571	2402.402	---	---
DH5	Ant1	2441	0.729	2440.655	2441.384	---	---
DH5	Ant1	2480	0.636	2479.715	2480.351	---	---
2DH5	Ant1	2402	1.287	2401.355	2402.642	---	---
2DH5	Ant1	2441	1.287	2440.358	2441.645	---	---
2DH5	Ant1	2480	1.281	2479.358	2480.639	---	---
3DH5	Ant1	2402	1.272	2401.349	2402.621	---	---
3DH5	Ant1	2441	1.305	2440.340	2441.645	---	---
3DH5	Ant1	2480	1.293	2479.343	2480.636	---	---



Test Graphs



DH5-Ant1-2402



DH5-Ant1-2441



DH5-Ant1-2480

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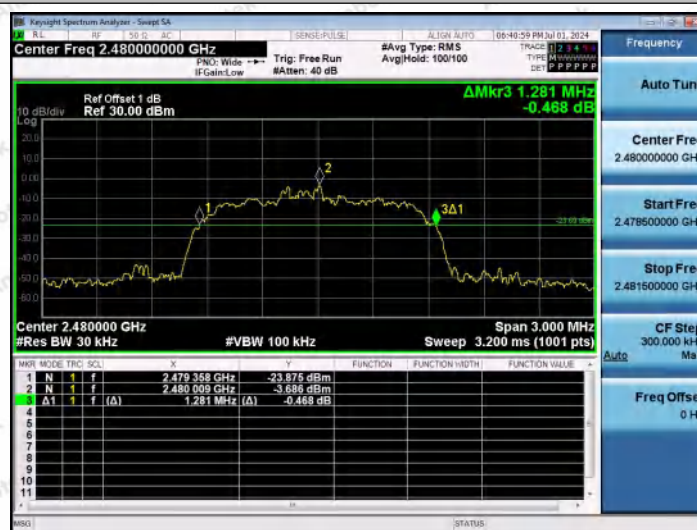




2DH5-Ant1-2402



2DH5-Ant1-2441



2DH5-Ant1-2480





3DH5-Ant1-2402



3DH5-Ant1-2441



3DH5-Ant1-2480



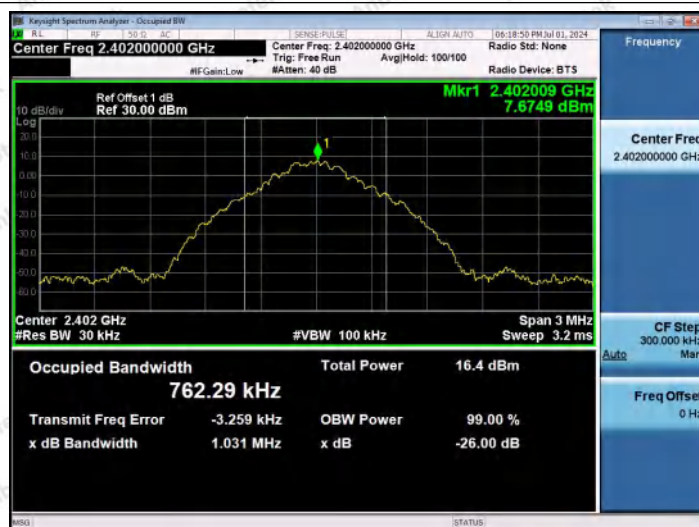
Appendix B: 99% Occupied Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.76229	2401.6156	2402.3779	---	---
DH5	Ant1	2441	0.82906	2440.5744	2441.4034	---	---
DH5	Ant1	2480	0.85379	2479.5591	2480.4129	---	---
2DH5	Ant1	2402	1.1682	2401.4043	2402.5725	---	---
2DH5	Ant1	2441	1.1612	2440.4099	2441.5711	---	---
2DH5	Ant1	2480	1.1778	2479.4015	2480.5793	---	---
3DH5	Ant1	2402	1.1668	2401.4110	2402.5778	---	---
3DH5	Ant1	2441	1.1661	2440.4088	2441.5749	---	---
3DH5	Ant1	2480	1.1689	2479.4090	2480.5779	---	---



Test Graphs



DH5-Ant1-2402



DH5-Ant1-2441



DH5-Ant1-2480

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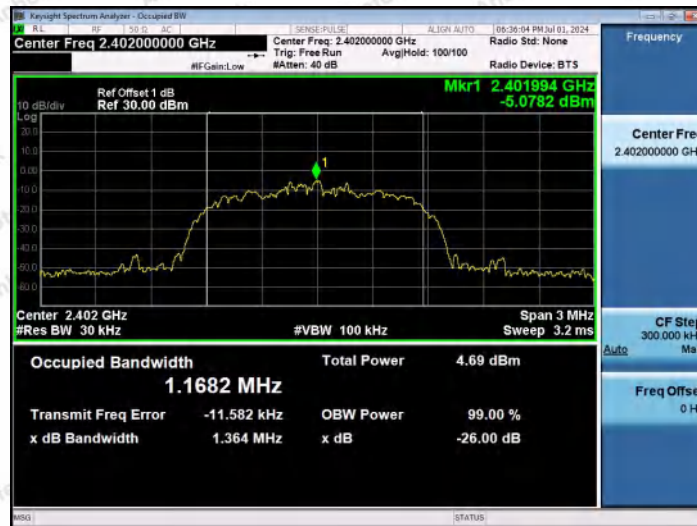
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2DH5-Ant1-2402



2DH5-Ant1-2441



2DH5-Ant1-2480

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3DH5-Ant1-2402



3DH5-Ant1-2441



3DH5-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	0.55	≤20.97	PASS
DH5	Ant1	2441	0.70	≤20.97	PASS
DH5	Ant1	2480	1.11	≤20.97	PASS
2DH5	Ant1	2402	-0.12	≤20.97	PASS
2DH5	Ant1	2441	0.00	≤20.97	PASS
2DH5	Ant1	2480	0.45	≤20.97	PASS
3DH5	Ant1	2402	-0.18	≤20.97	PASS
3DH5	Ant1	2441	-0.10	≤20.97	PASS
3DH5	Ant1	2480	0.40	≤20.97	PASS



Test Graphs



DH5-Ant1-2402-PASS



DH5-Ant1-2441-PASS



DH5-Ant1-2480-PASS

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2DH5-Ant1-2402-PASS



2DH5-Ant1-2441-PASS



2DH5-Ant1-2480-PASS





3DH5-Ant1-2402-PASS



3DH5-Ant1-2441-PASS



3DH5-Ant1-2480-PASS

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Appendix D: Carrier frequency separation

Test Result

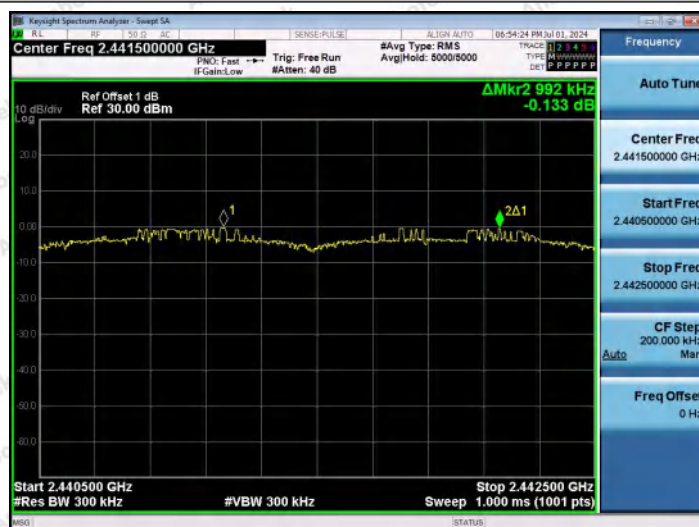
TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.022	≥ 0.554	PASS
2DH5	Ant1	Hop	0.992	≥ 0.858	PASS
3DH5	Ant1	Hop	0.994	≥ 0.870	PASS



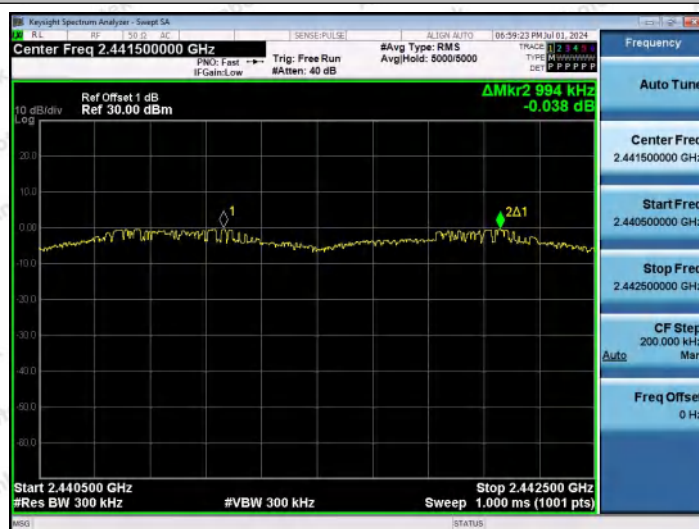
Test Graphs



DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS

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Appendix E: Dwell Time

Test Result

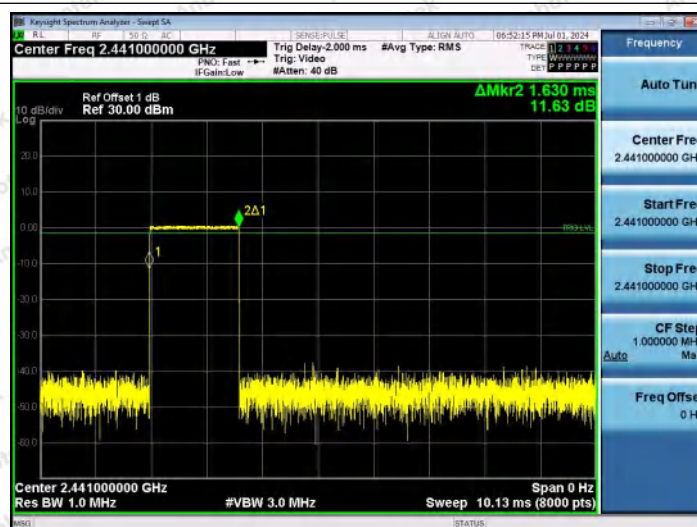
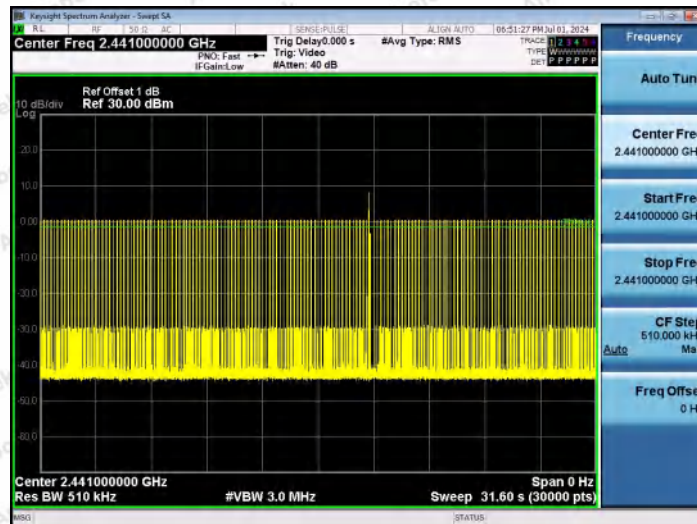
TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.374	313	0.117	≤0.4	PASS
DH3	Ant1	Hop	1.630	158	0.258	≤0.4	PASS
DH5	Ant1	Hop	2.878	106	0.305	≤0.4	PASS
2DH1	Ant1	Hop	0.381	312	0.119	≤0.4	PASS
2DH3	Ant1	Hop	1.140	158	0.18	≤0.4	PASS
2DH5	Ant1	Hop	2.883	107	0.308	≤0.4	PASS
3DH1	Ant1	Hop	0.381	313	0.119	≤0.4	PASS
3DH3	Ant1	Hop	1.633	158	0.258	≤0.4	PASS
3DH5	Ant1	Hop	2.884	97	0.28	≤0.4	PASS



Test Graphs



DH1-Ant1-Hop-PASS



DH3-Ant1-Hop-PASS

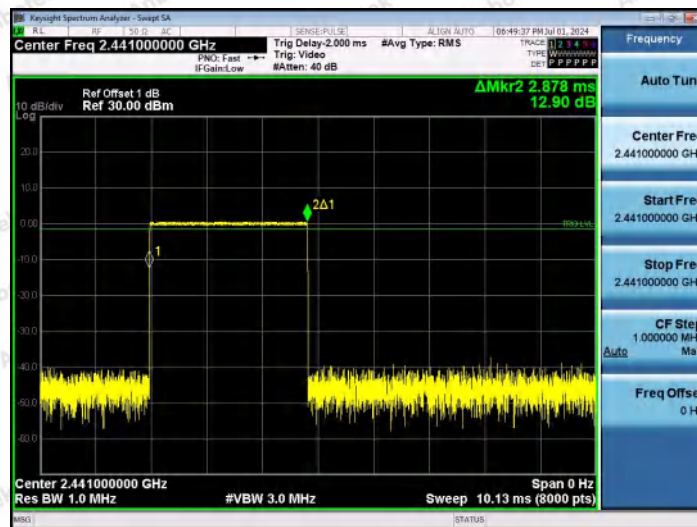
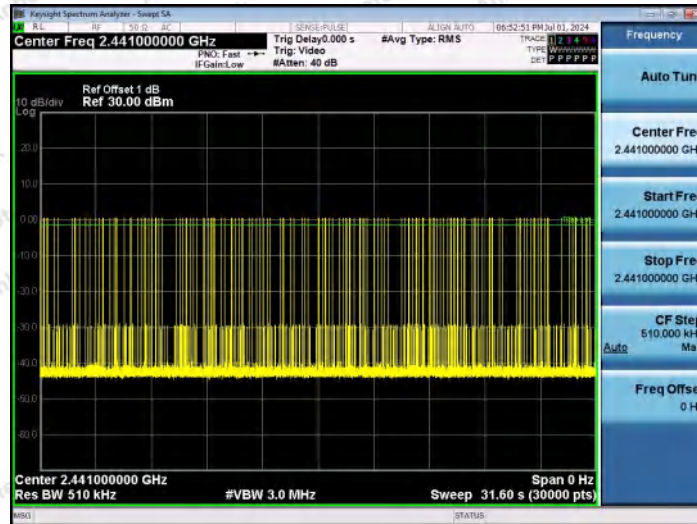
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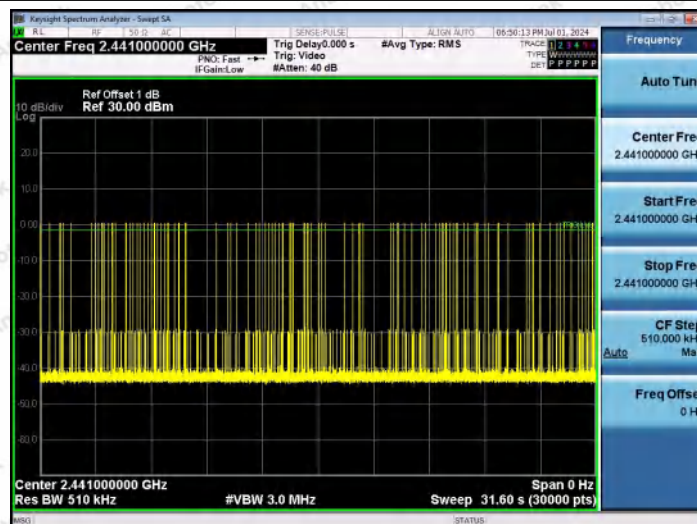


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DH5-Ant1-Hop-PASS



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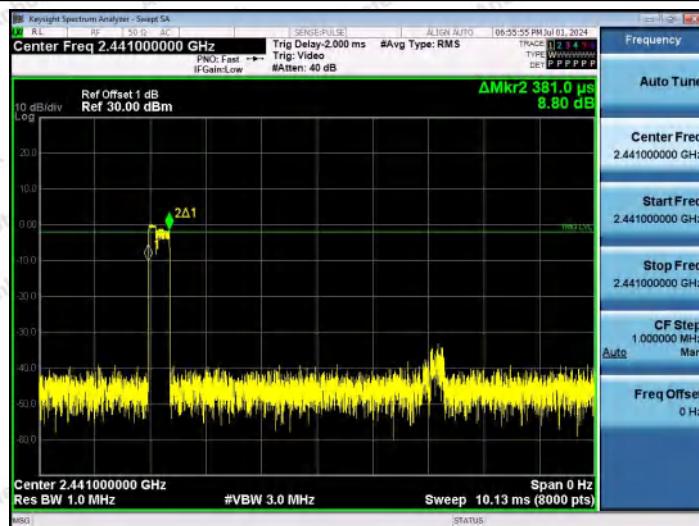
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



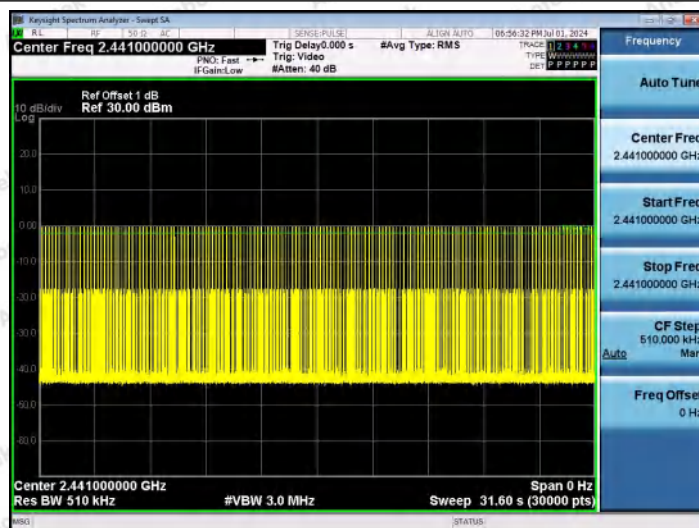
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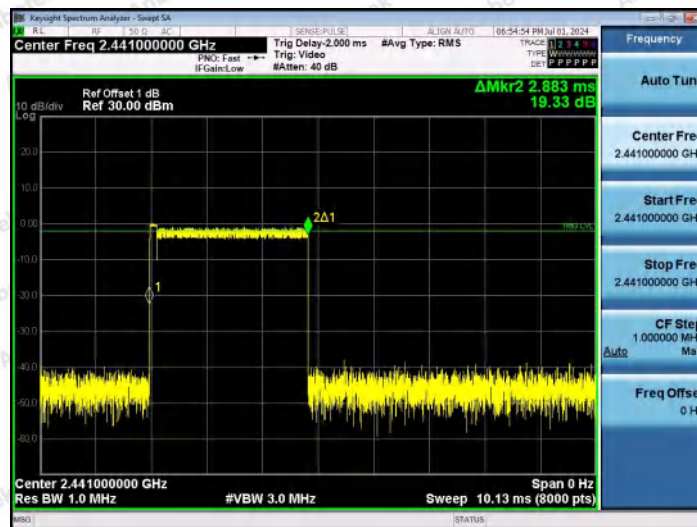


2DH1-Ant1-Hop-PASS

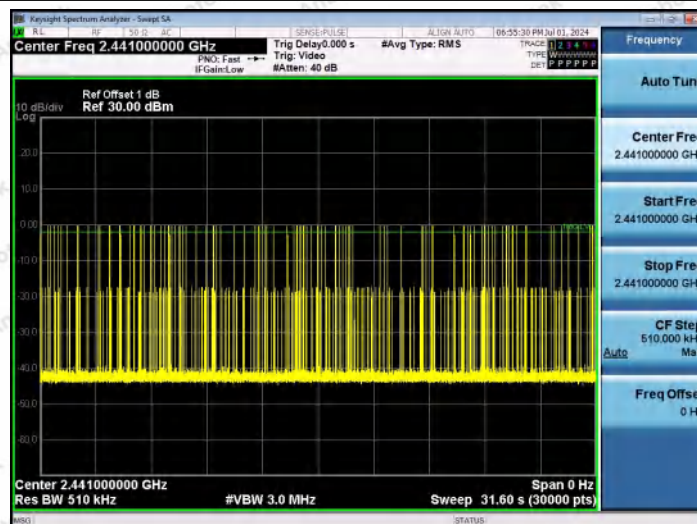


2DH3-Ant1-Hop-PASS





2DH5-Ant1-Hop-PASS



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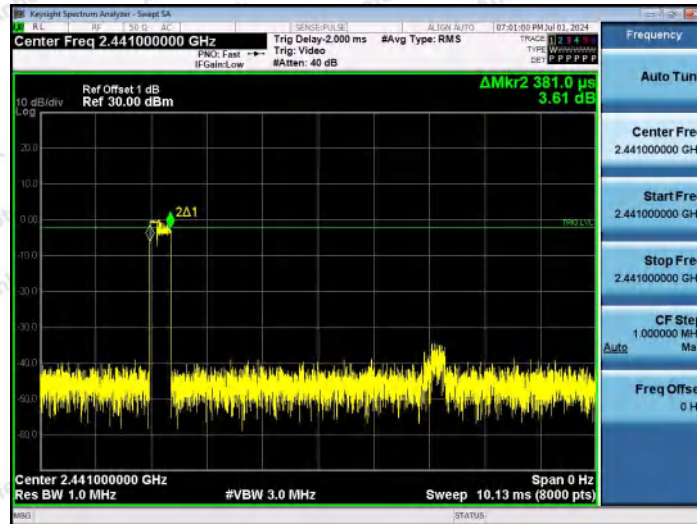
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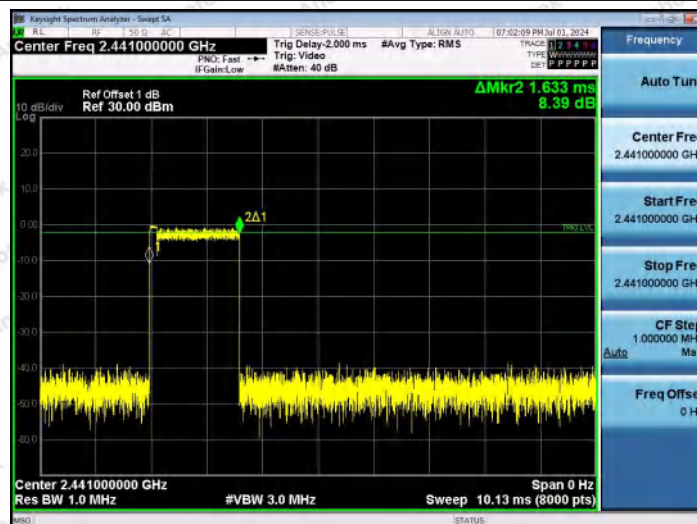
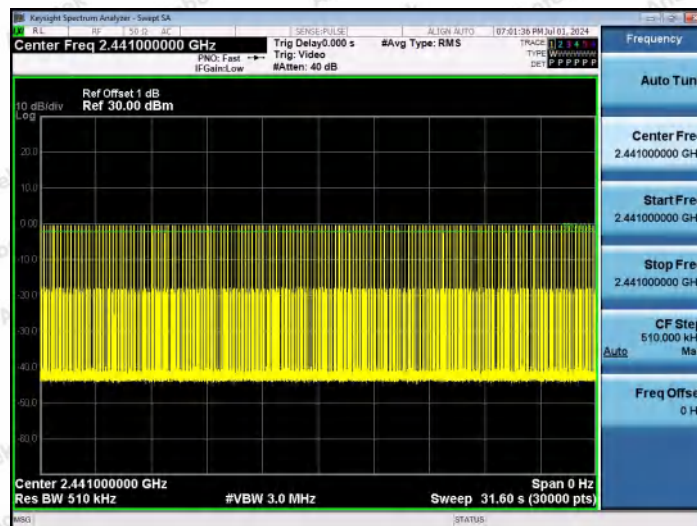
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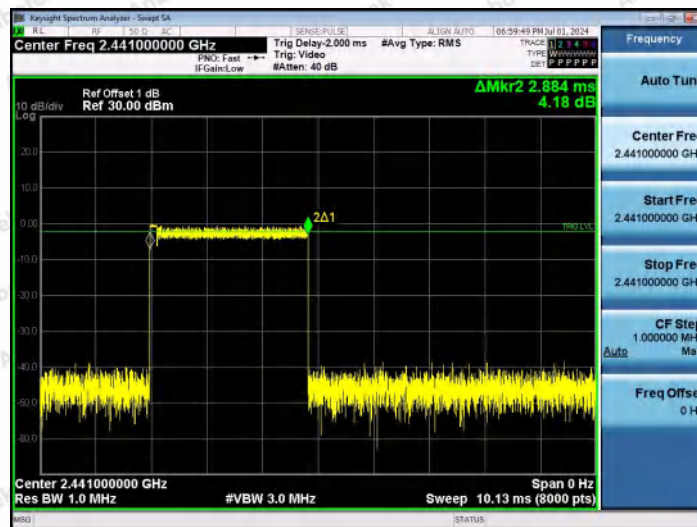
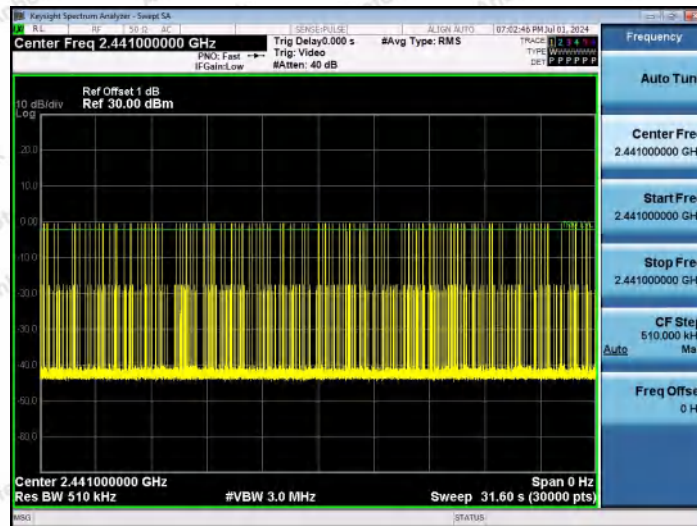


3DH1-Ant1-Hop-PASS

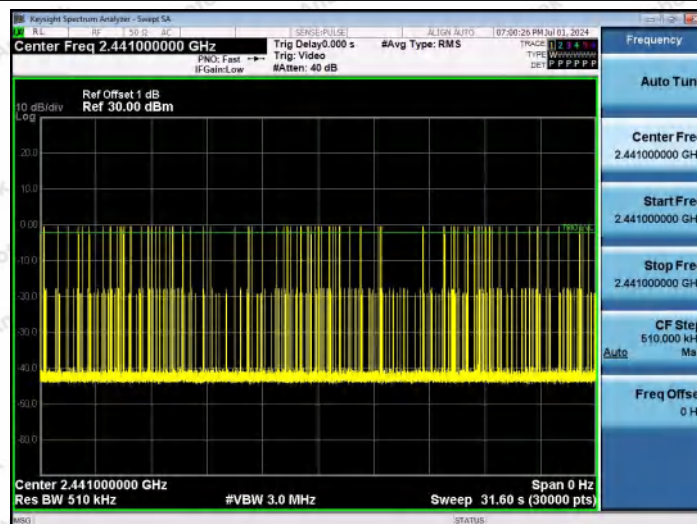


3DH3-Ant1-Hop-PASS





3DH5-Ant1-Hop-PASS



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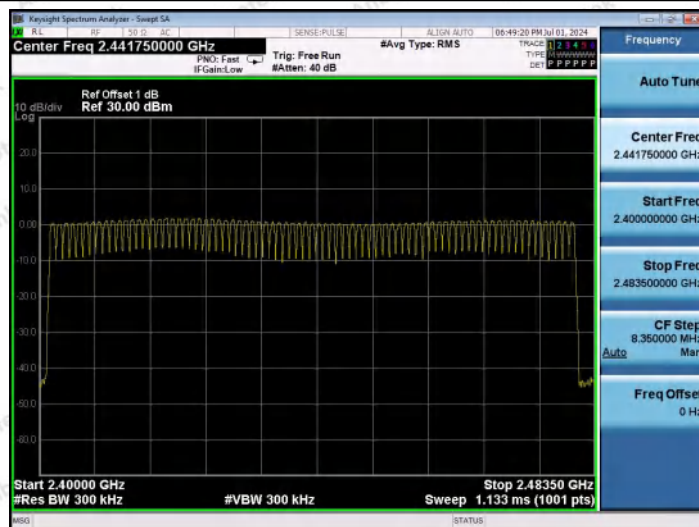
Appendix F: Number of Hopping Channel

Test Result

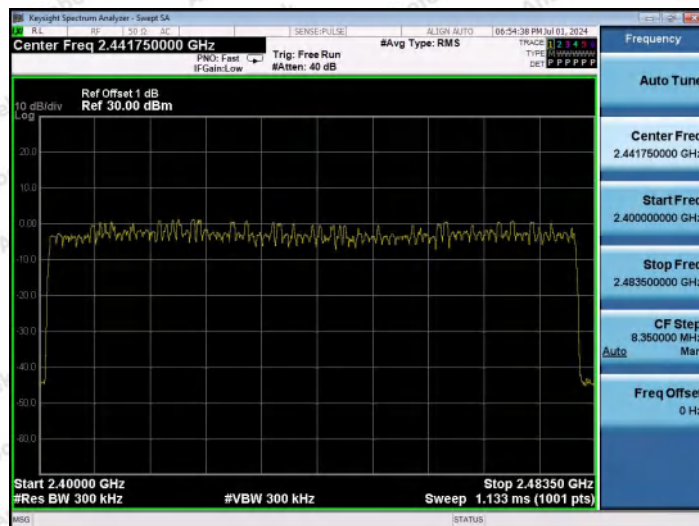
TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS



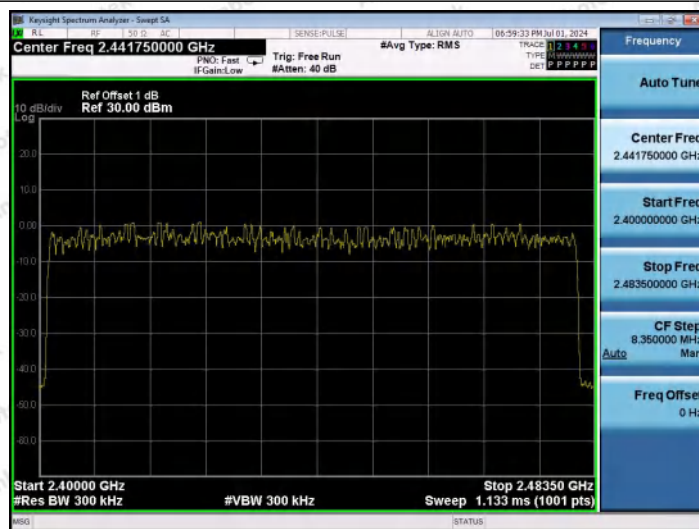
Test Graphs



DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS

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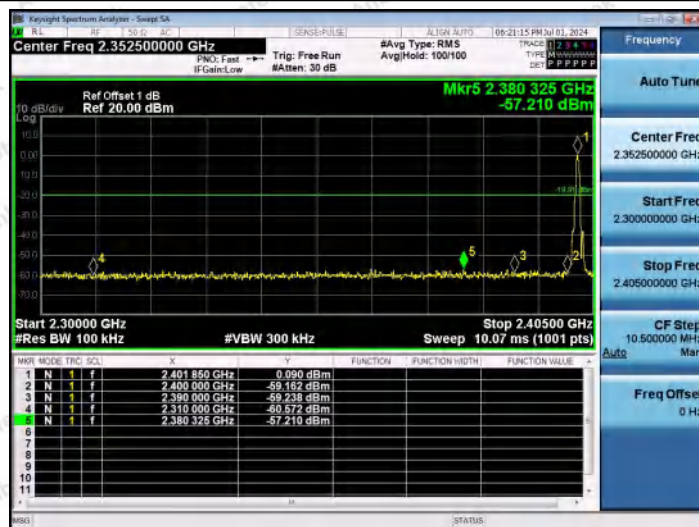
Appendix G: Conducted Band edge

Test Result

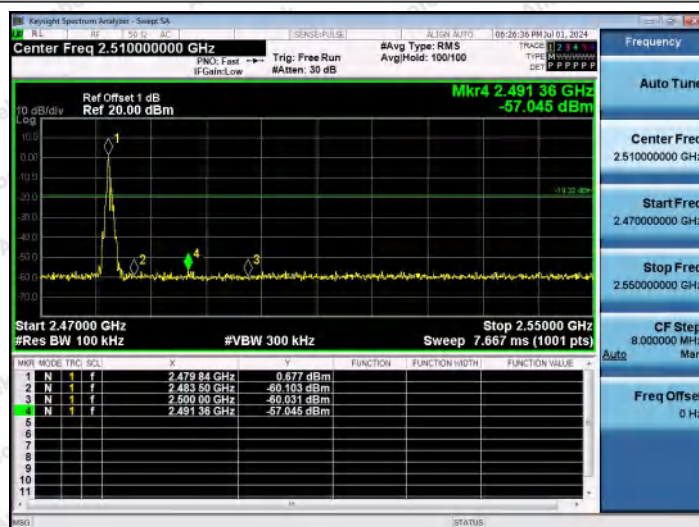
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	0.09	-57.21	≤-19.91	PASS
DH5	Ant1	High	2480	0.68	-57.05	≤-19.32	PASS
DH5	Ant1	Low	Hop_2402	-0.16	-57.03	≤-20.16	PASS
DH5	Ant1	High	Hop_2480	0.76	-56.22	≤-19.24	PASS
2DH5	Ant1	Low	2402	-2.80	-57.77	≤-22.8	PASS
2DH5	Ant1	High	2480	-1.44	-56.15	≤-21.44	PASS
2DH5	Ant1	Low	Hop_2402	-0.99	-56.36	≤-20.99	PASS
2DH5	Ant1	High	Hop_2480	0.31	-56.46	≤-19.69	PASS
3DH5	Ant1	Low	2402	-0.60	-57.14	≤-20.6	PASS
3DH5	Ant1	High	2480	-1.65	-56.78	≤-21.65	PASS
3DH5	Ant1	Low	Hop_2402	-2.70	-56.82	≤-22.7	PASS
3DH5	Ant1	High	Hop_2480	-0.13	-56.29	≤-20.13	PASS



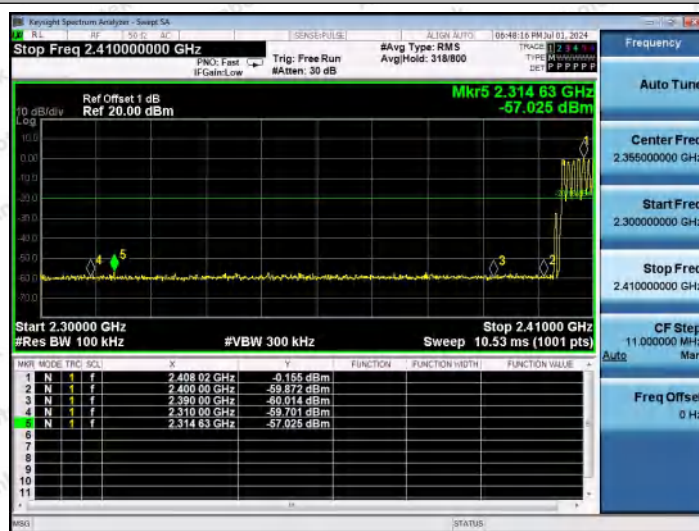
Test Graphs



DH5-Ant1-2402-PASS



DH5-Ant1-2480-PASS



DH5-Ant1-Hop_2402-PASS

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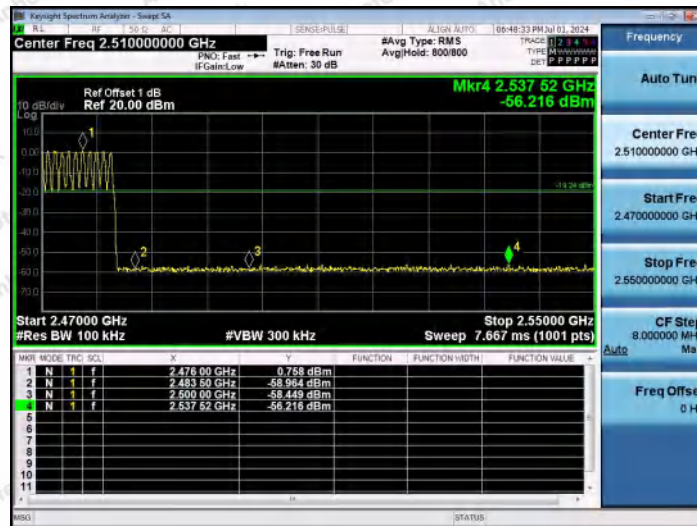


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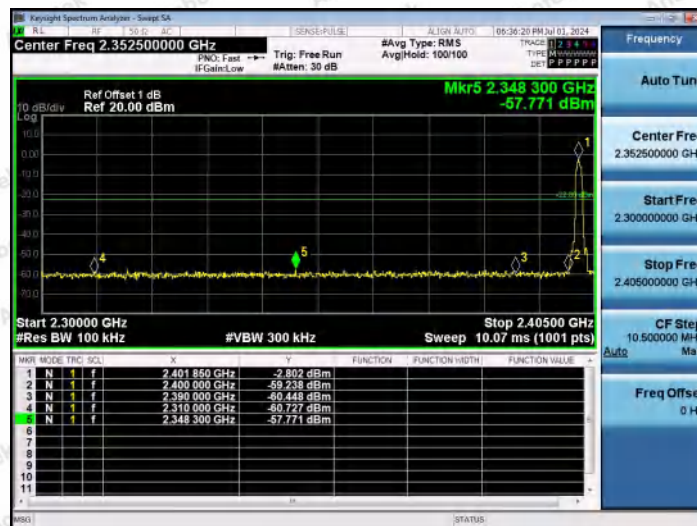
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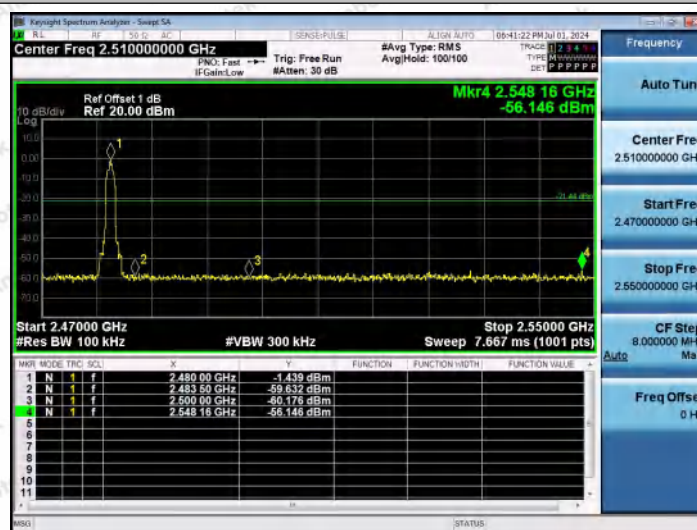




DH5-Ant1-Hop_2480-PASS



2DH5-Ant1-2402-PASS



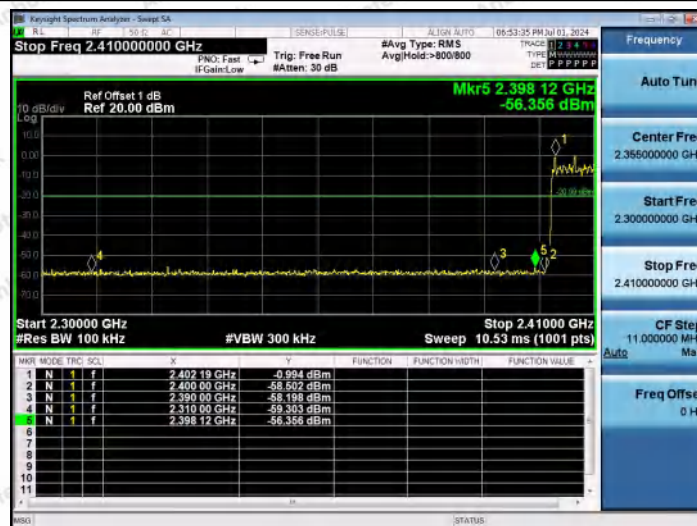
2DH5-Ant1-2480-PASS

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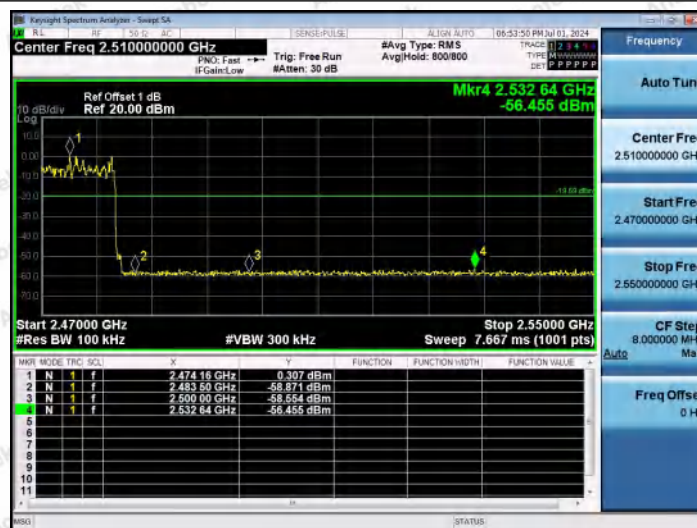
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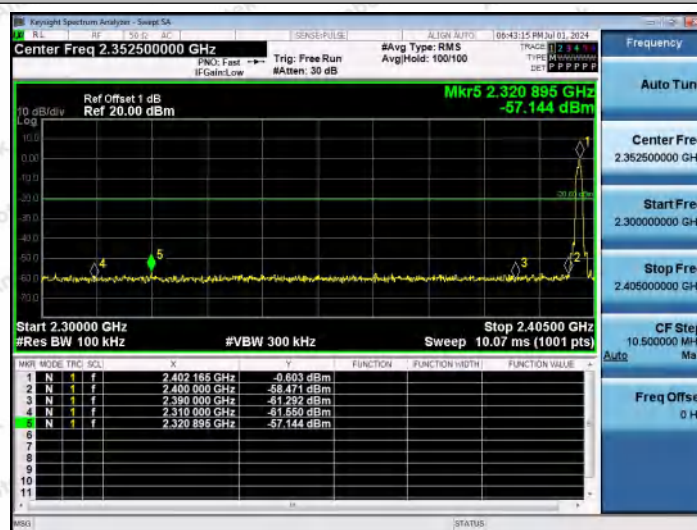




2DH5-Ant1-Hop_2402-PASS



2DH5-Ant1-Hop_2480-PASS



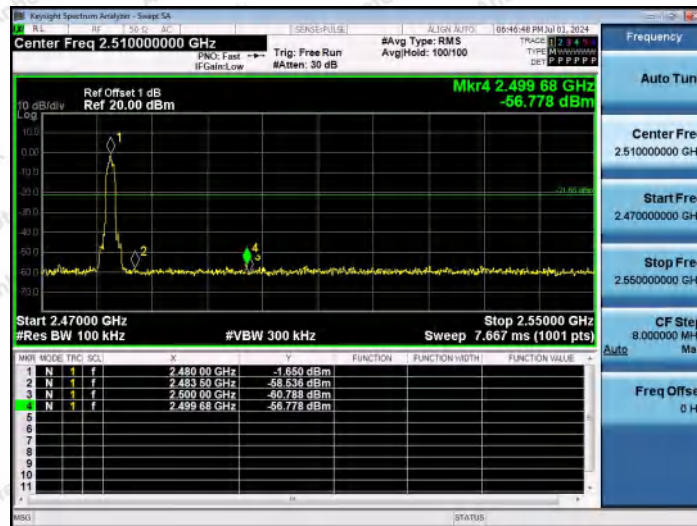
3DH5-Ant1-2402-PASS

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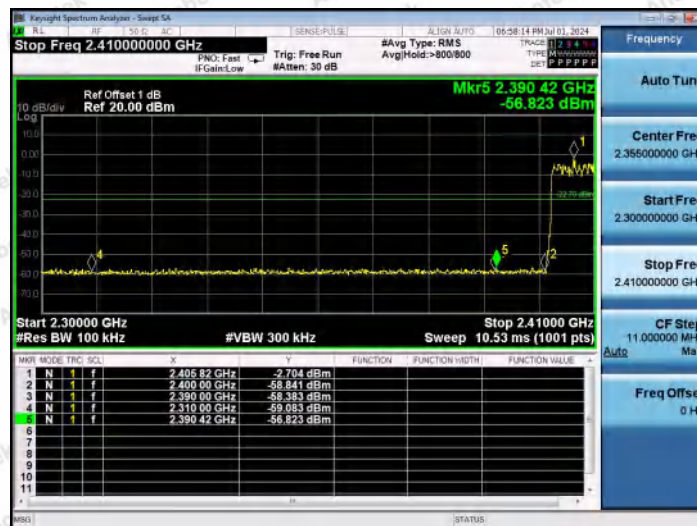
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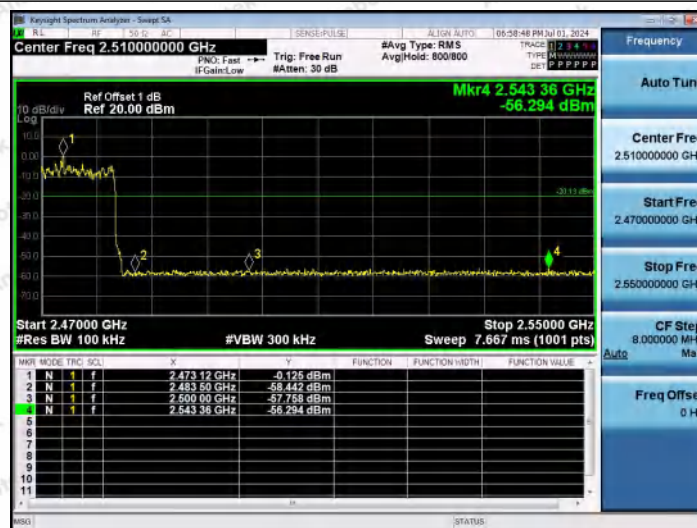




3DH5-Ant1-2480-PASS



3DH5-Ant1-Hop_2402-PASS



3DH5-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	-1.08	-1.08	---	PASS
DH5	Ant1	2402	30~1000	-1.08	-68.88	≤-21.08	PASS
DH5	Ant1	2402	1000~26500	-1.08	-52.03	≤-21.08	PASS
DH5	Ant1	2441	0~Reference	0.21	0.21	---	PASS
DH5	Ant1	2441	30~1000	0.21	-69.02	≤-19.79	PASS
DH5	Ant1	2441	1000~26500	0.21	-53.08	≤-19.79	PASS
DH5	Ant1	2480	0~Reference	0.08	0.08	---	PASS
DH5	Ant1	2480	30~1000	0.08	-68.08	≤-19.92	PASS
DH5	Ant1	2480	1000~26500	0.08	-53.17	≤-19.92	PASS
2DH5	Ant1	2402	0~Reference	-0.55	-0.55	---	PASS
2DH5	Ant1	2402	30~1000	-0.55	-68.49	≤-20.55	PASS
2DH5	Ant1	2402	1000~26500	-0.55	-53.13	≤-20.55	PASS
2DH5	Ant1	2441	0~Reference	-1.16	-1.16	---	PASS
2DH5	Ant1	2441	30~1000	-1.16	-69	≤-21.16	PASS
2DH5	Ant1	2441	1000~26500	-1.16	-53.36	≤-21.16	PASS
2DH5	Ant1	2480	0~Reference	-3.34	-3.34	---	PASS
2DH5	Ant1	2480	30~1000	-3.34	-68.65	≤-23.34	PASS
2DH5	Ant1	2480	1000~26500	-3.34	-53.29	≤-23.34	PASS
3DH5	Ant1	2402	0~Reference	-1.39	-1.39	---	PASS
3DH5	Ant1	2402	30~1000	-1.39	-68.49	≤-21.39	PASS
3DH5	Ant1	2402	1000~26500	-1.39	-53.24	≤-21.39	PASS
3DH5	Ant1	2441	0~Reference	-1.28	-1.28	---	PASS
3DH5	Ant1	2441	30~1000	-1.28	-68.95	≤-21.28	PASS
3DH5	Ant1	2441	1000~26500	-1.28	-53.07	≤-21.28	PASS
3DH5	Ant1	2480	0~Reference	-4.79	-4.79	---	PASS
3DH5	Ant1	2480	30~1000	-4.79	-68.42	≤-24.79	PASS
3DH5	Ant1	2480	1000~26500	-4.79	-52.81	≤-24.79	PASS

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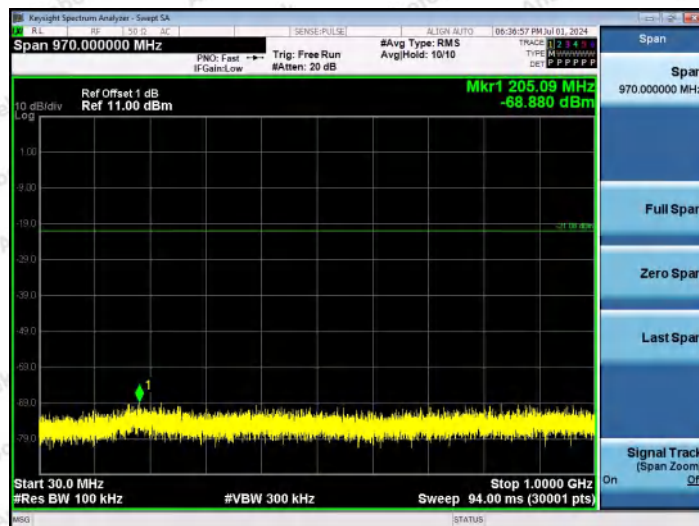
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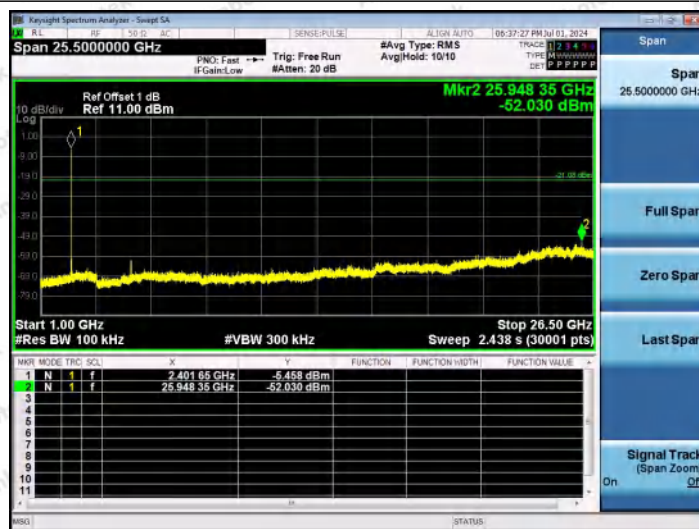
Test Graphs



DH5-Ant1-2402-0~Reference-PASS



DH5-Ant1-2402-30~1000-PASS



DH5-Ant1-2402-1000~26500-PASS

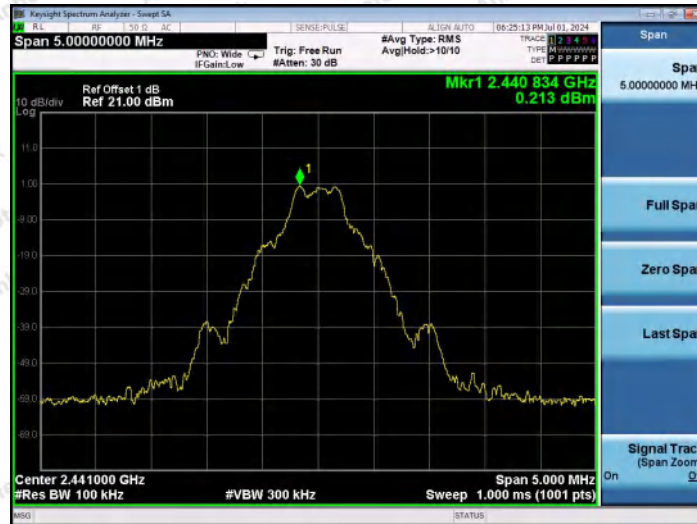
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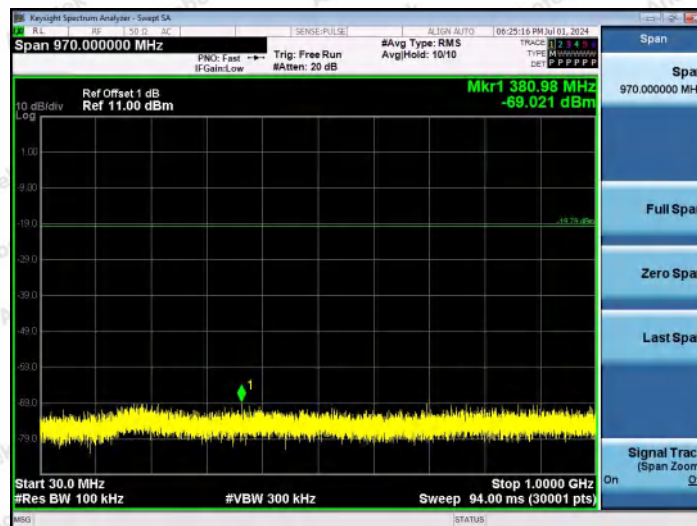


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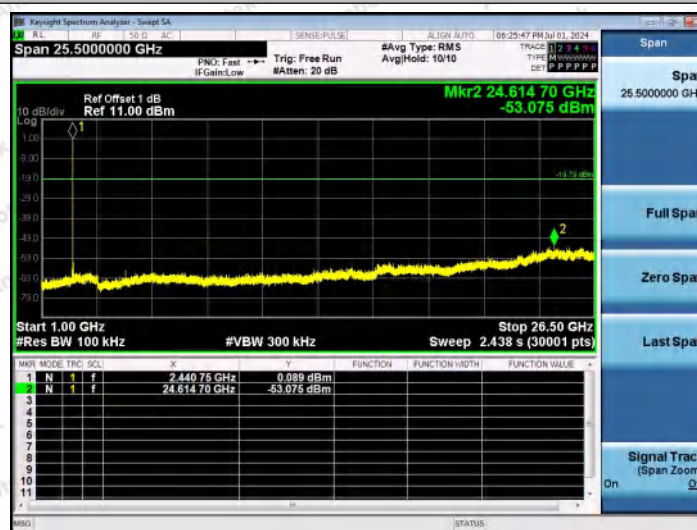




DH5-Ant1-2441-0~Reference-PASS



DH5-Ant1-2441-30~1000-PASS



DH5-Ant1-2441-1000~26500-PASS

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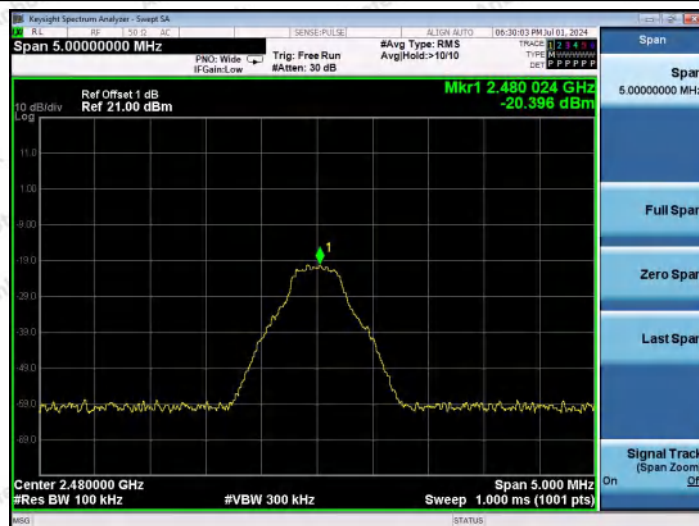


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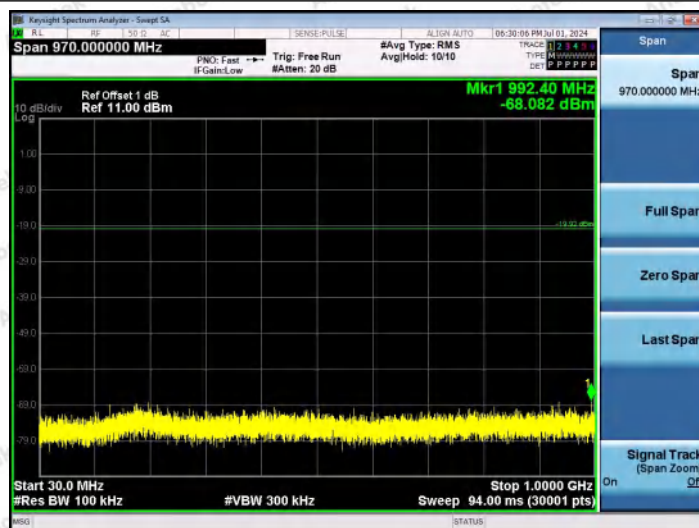
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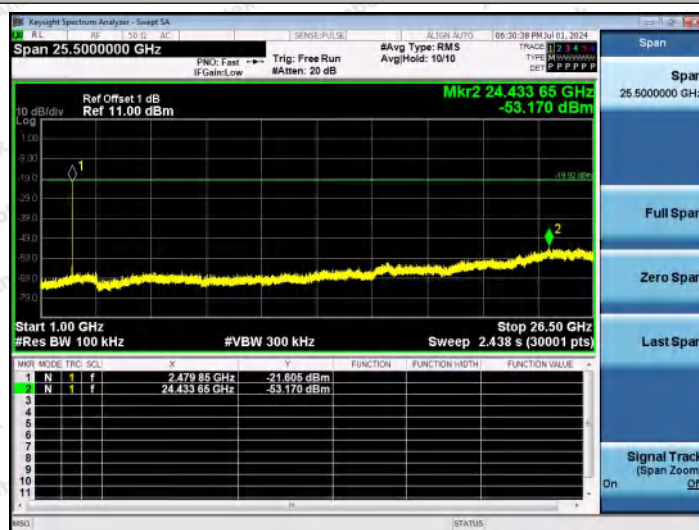




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DH5-Ant1-2480-30~1000-PASS

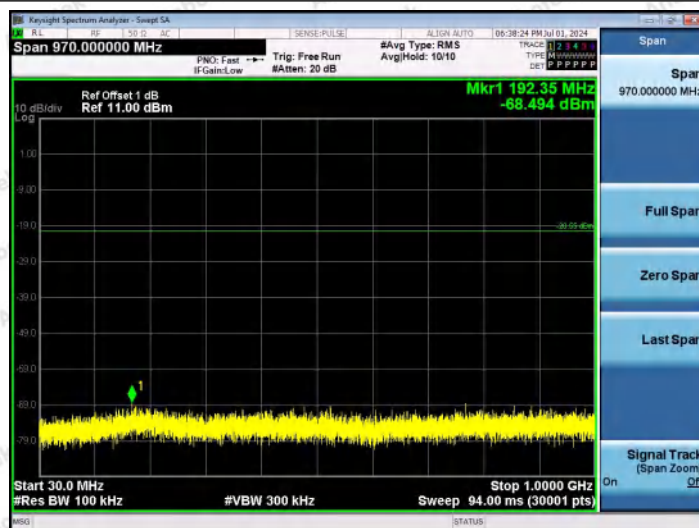


DH5-Ant1-2480-1000~26500-PASS

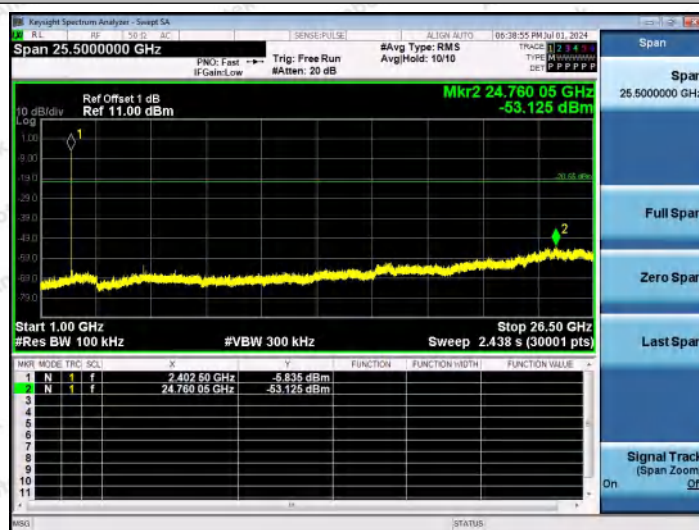




2DH5-Ant1-2402-0~Reference-PASS



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



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

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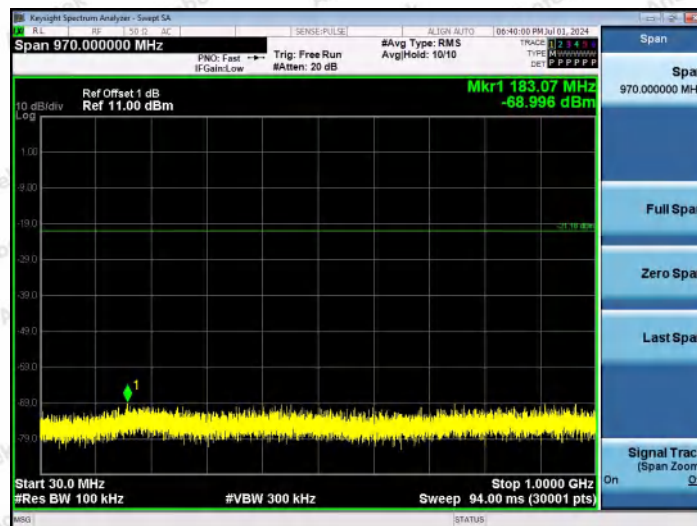
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
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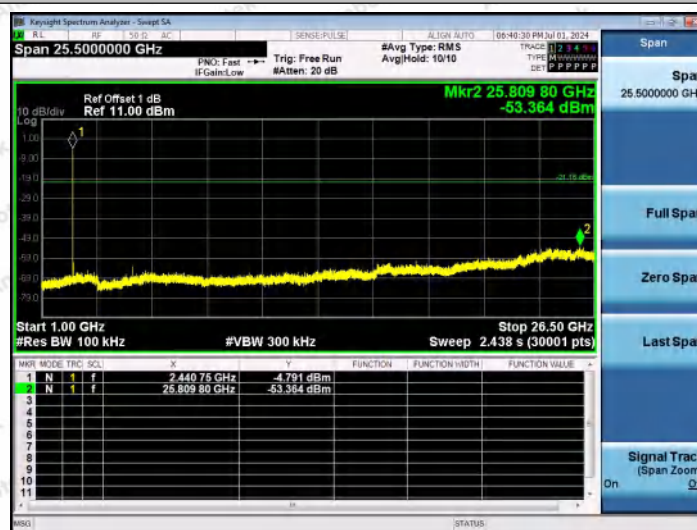




2DH5-Ant1-2441-0~Reference-PASS



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



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

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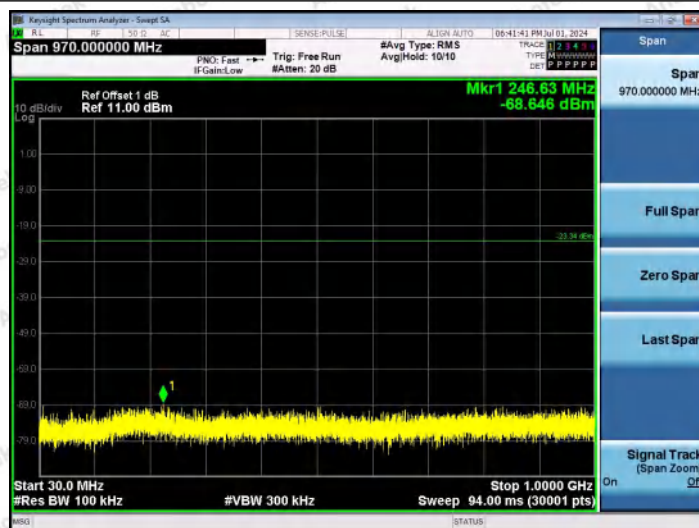
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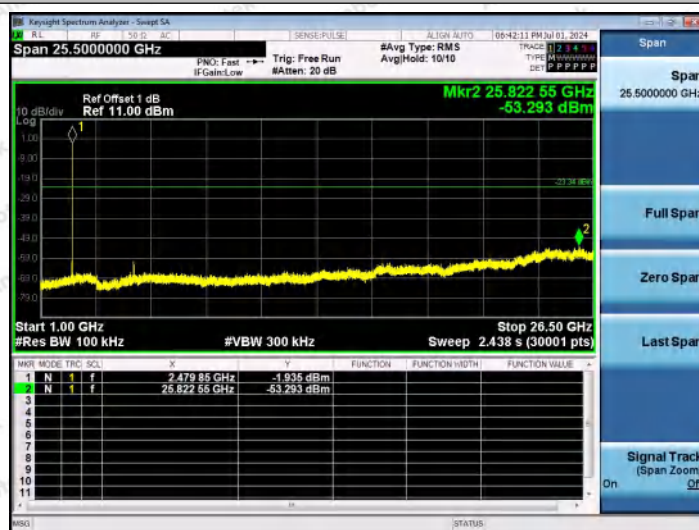




2DH5-Ant1-2480-0~Reference-PASS



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



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

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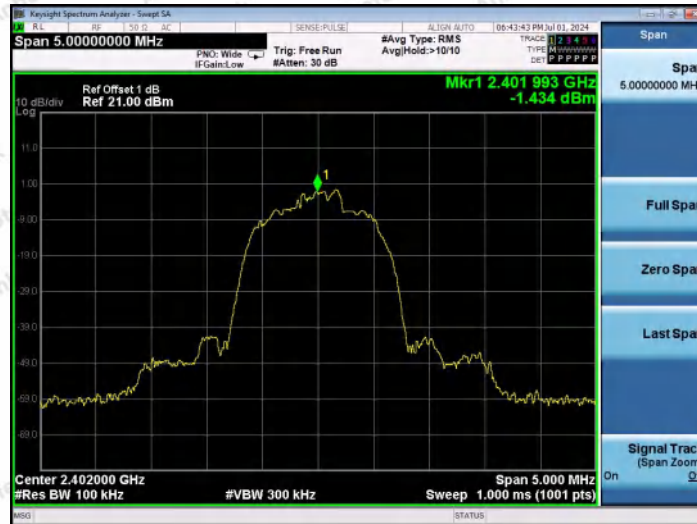
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Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



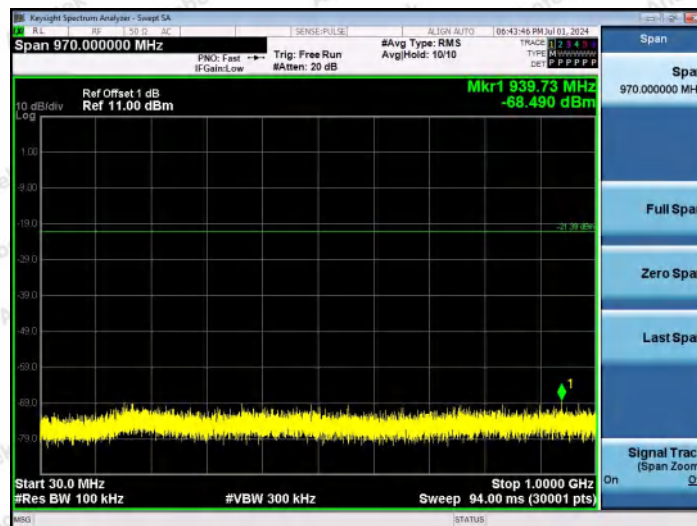
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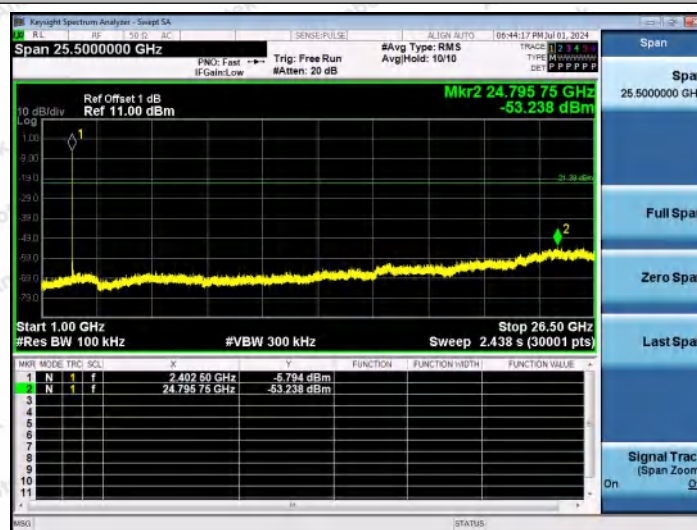




3DH5-Ant1-2402-0~Reference-PASS

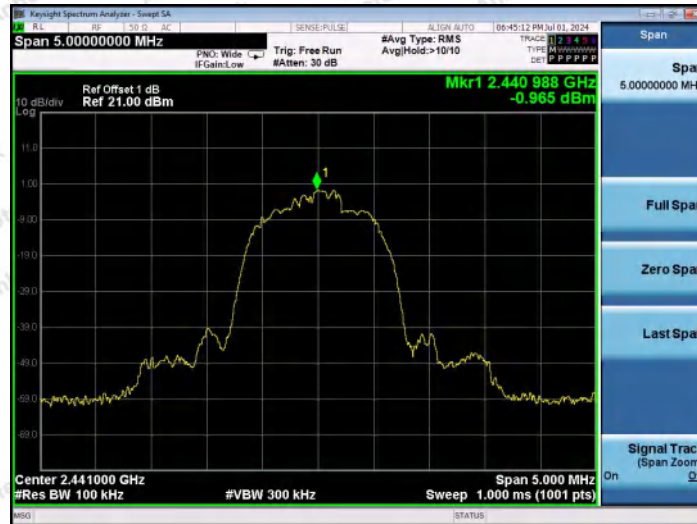


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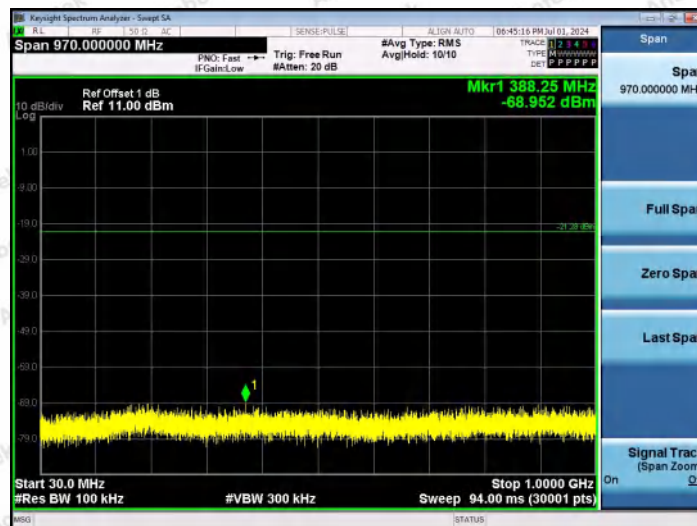


3DH5-Ant1-2402-1000~26500-PASS

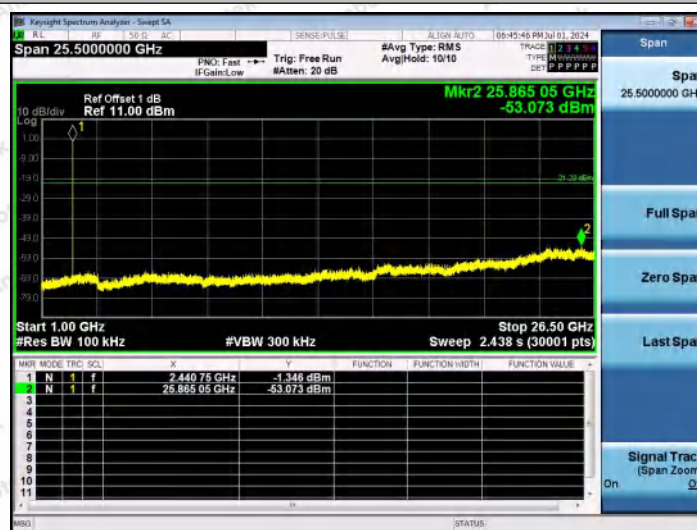




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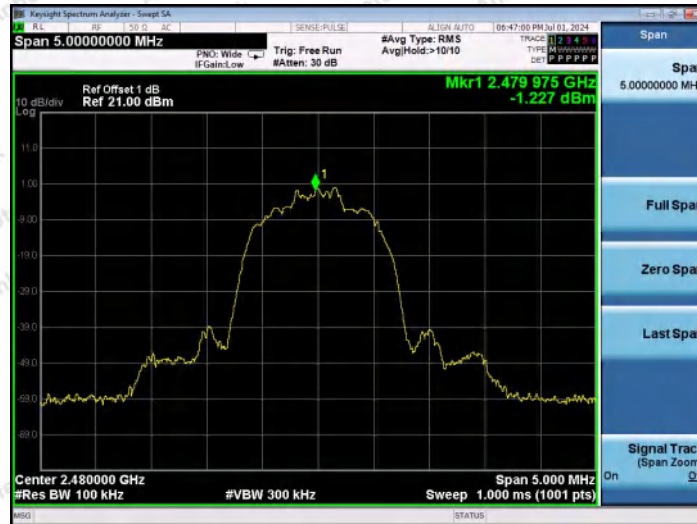


3DH5-Ant1-2441-30~1000-PASS

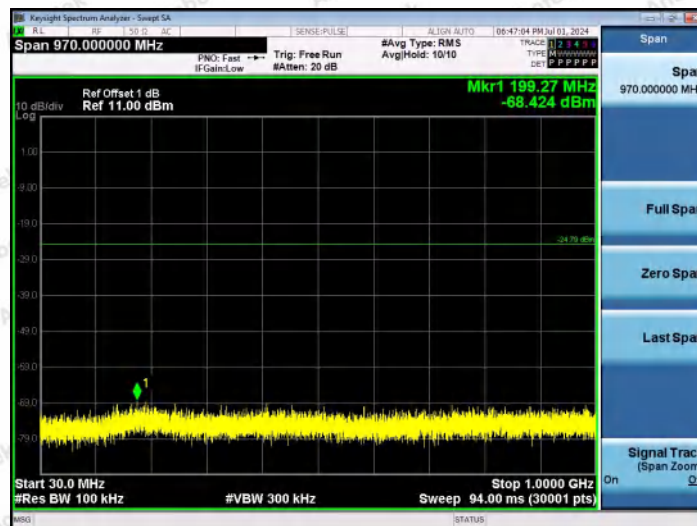


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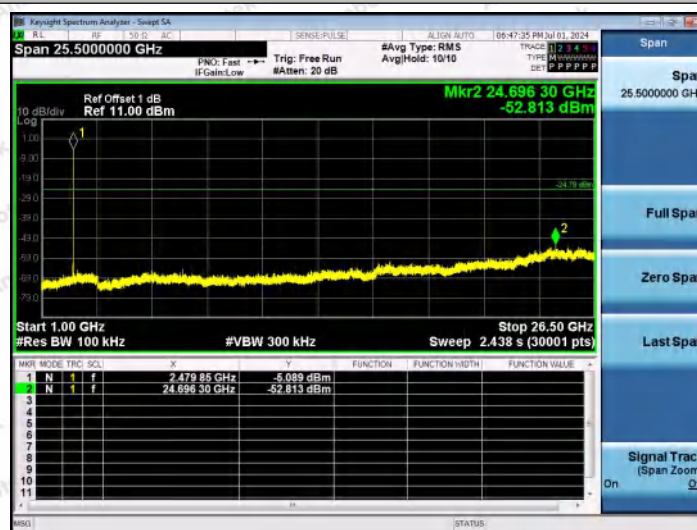




3DH5-Ant1-2480-0~Reference-PASS



3DH5-Ant1-2480-30~1000-PASS



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



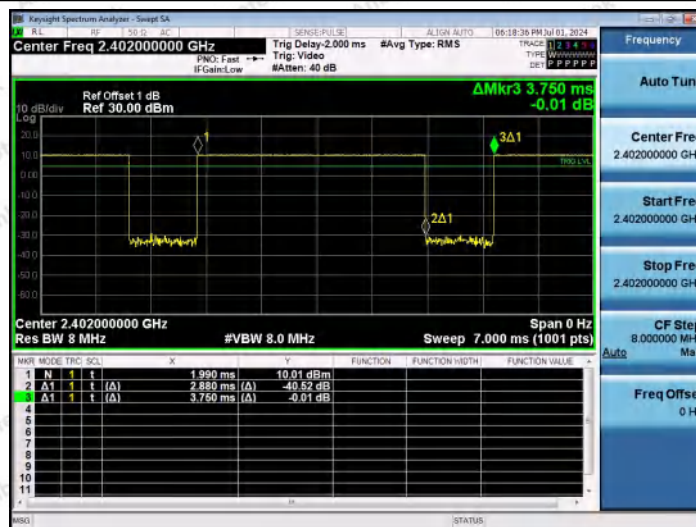
Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.88	3.75	76.80	1.15
DH5	Ant1	2441	2.88	3.75	76.80	1.15
DH5	Ant1	2480	2.88	3.75	76.80	1.15
2DH5	Ant1	2402	2.89	3.75	77.07	1.13
2DH5	Ant1	2441	2.89	3.75	77.07	1.13
2DH5	Ant1	2480	2.88	3.75	76.80	1.15
3DH5	Ant1	2402	2.89	3.75	77.07	1.13
3DH5	Ant1	2441	2.88	3.74	77.01	1.13
3DH5	Ant1	2480	2.89	3.76	76.86	1.14



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

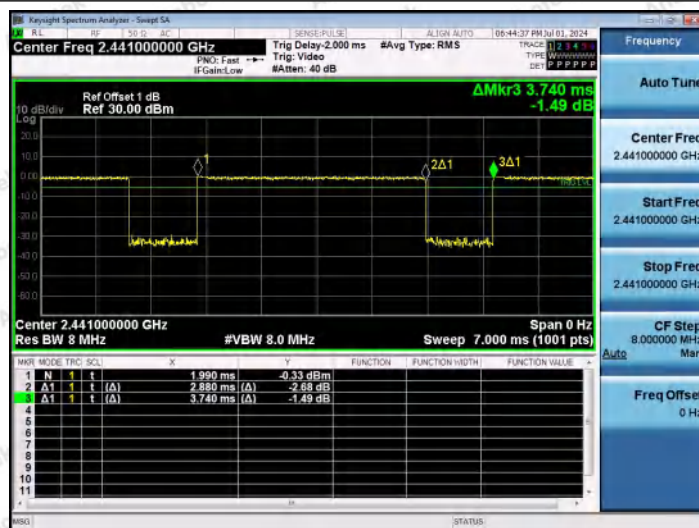


NTNV-2DH5-Ant1-2480





NTNV-3DH5-Ant1-2402



NTNV-3DH5-Ant1-2441



NTNV-3DH5-Ant1-2480

---End---

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