

Appendix Test Data

Report No.:	18220WC20161501	Test Sample No.:	1-2-2
Start Test Date:	2022.7.18	Finish Test Date:	2022.7.26
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	22.5°C	Relative Humidity:	51.7 %
Pressure:	1012 hPa		

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.927	2401.586	2402.513	---	PASS
		2441	0.942	2440.583	2441.525	---	PASS
		2480	0.942	2479.583	2480.525	---	PASS
2DH5	Ant1	2402	1.263	2401.412	2402.675	---	PASS
		2441	1.305	2440.391	2441.696	---	PASS
		2480	1.308	2479.391	2480.699	---	PASS

Test Graphs





2DH5_Ant1_2402



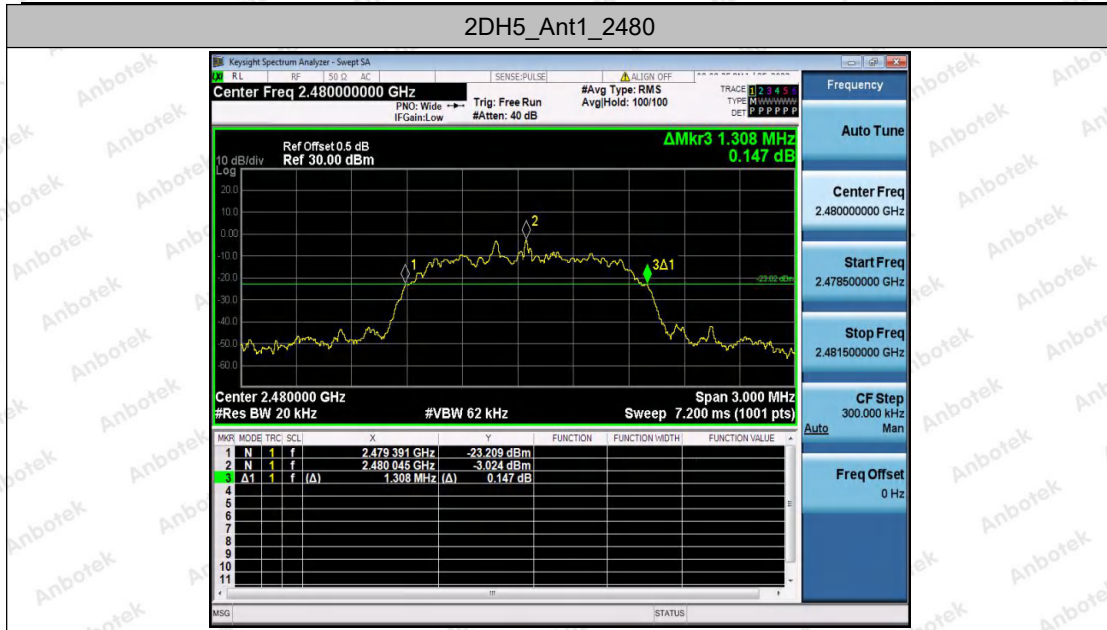
2DH5_Ant1_2441



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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.86478	2401.60 9	2402.473	---	PASS
		2441	0.85828	2440.61 1	2441.469	---	PASS
		2480	0.85496	2479.61 3	2480.467	---	PASS
2DH5	Ant1	2402	1.1878	2401.45 2	2402.639	---	PASS
		2441	1.1850	2440.45 2	2441.637	---	PASS
		2480	1.1807	2479.45 7	2480.638	---	PASS

Test Graphs





2DH5_Ant1_2402



2DH5_Ant1_2441

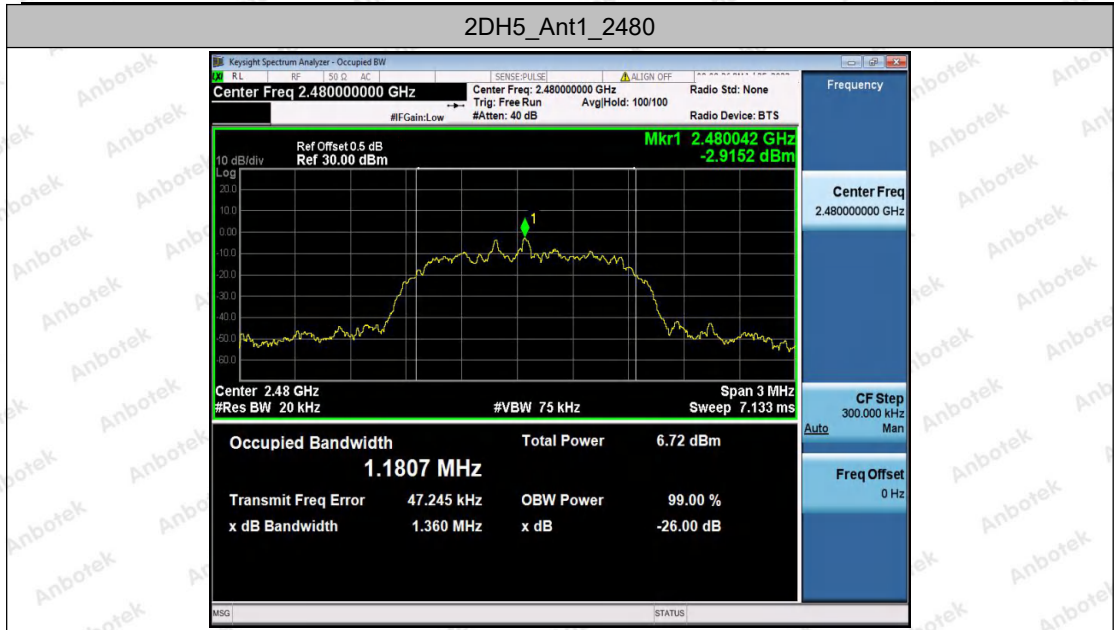


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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	1.57	≤20.97	PASS
		2441	1.39	≤20.97	PASS
		2480	0.6	≤20.97	PASS
2DH5	Ant1	2402	2.4	≤20.97	PASS
		2441	2.25	≤20.97	PASS
		2480	1.49	≤20.97	PASS

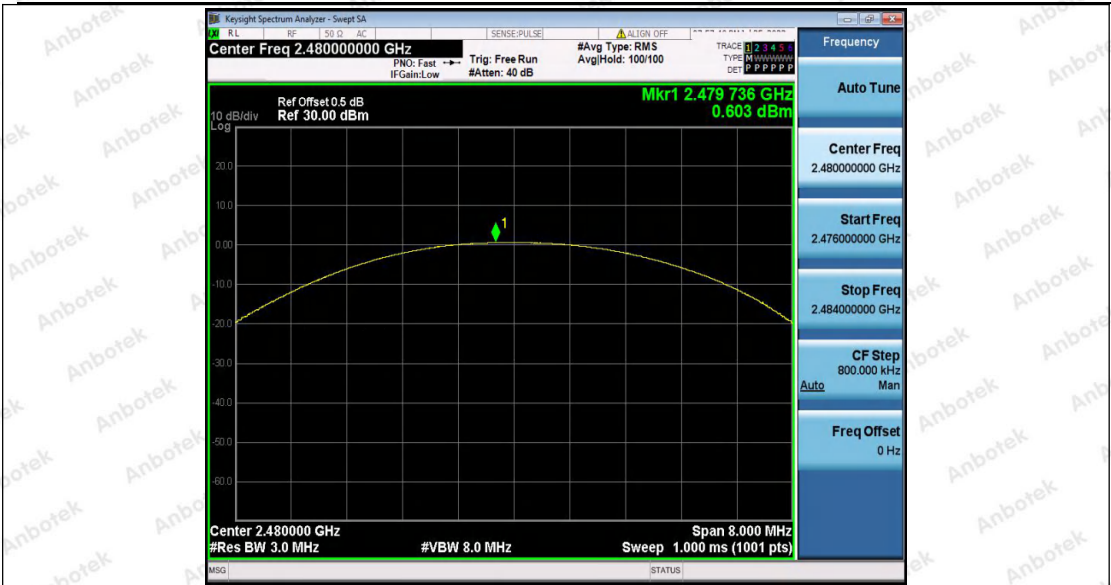
Test Graphs



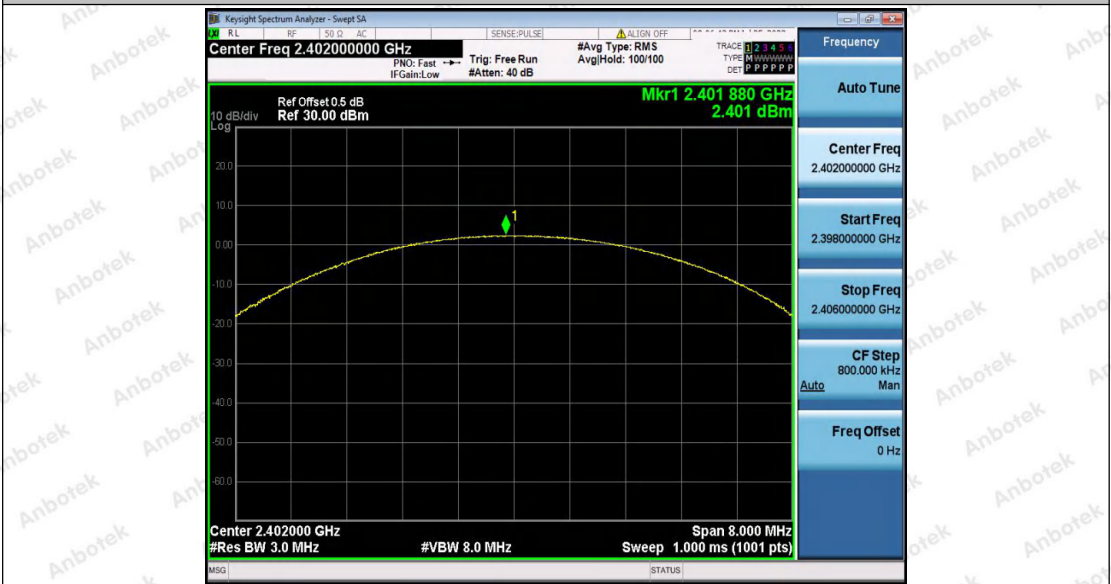
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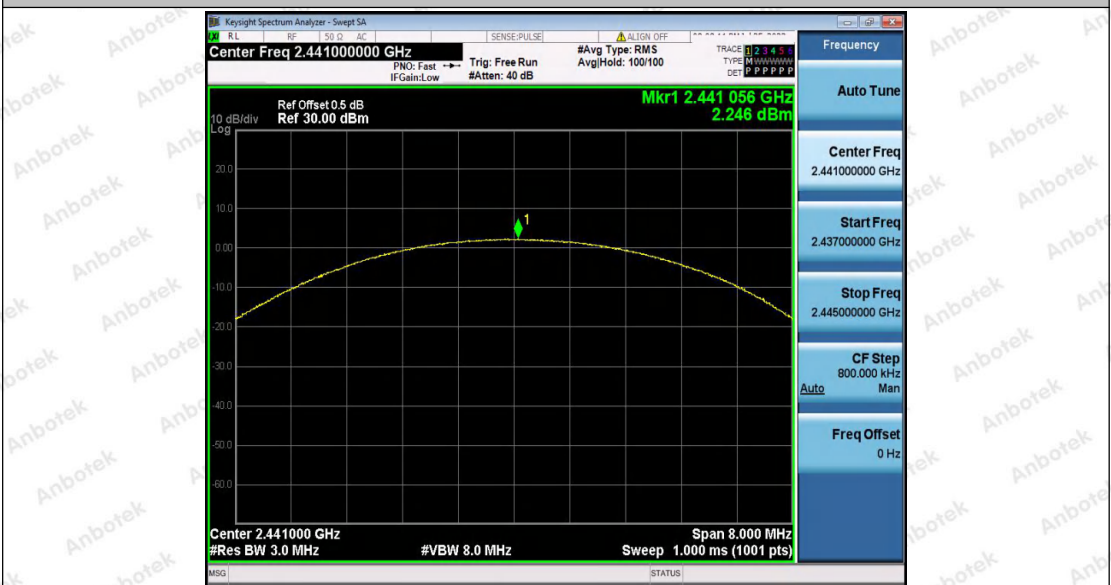
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2DH5_Ant1_2402



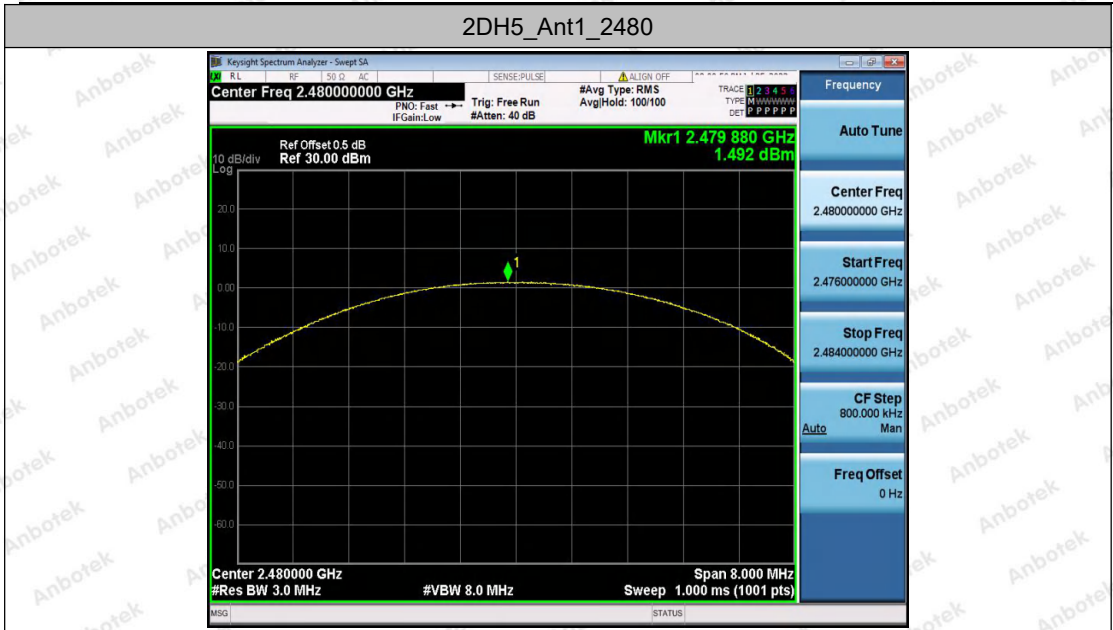
2DH5_Ant1_2441



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Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.994	≥0.942	PASS
2DH5	Ant1	Hop	0.98	≥0.872	PASS

Test Graphs



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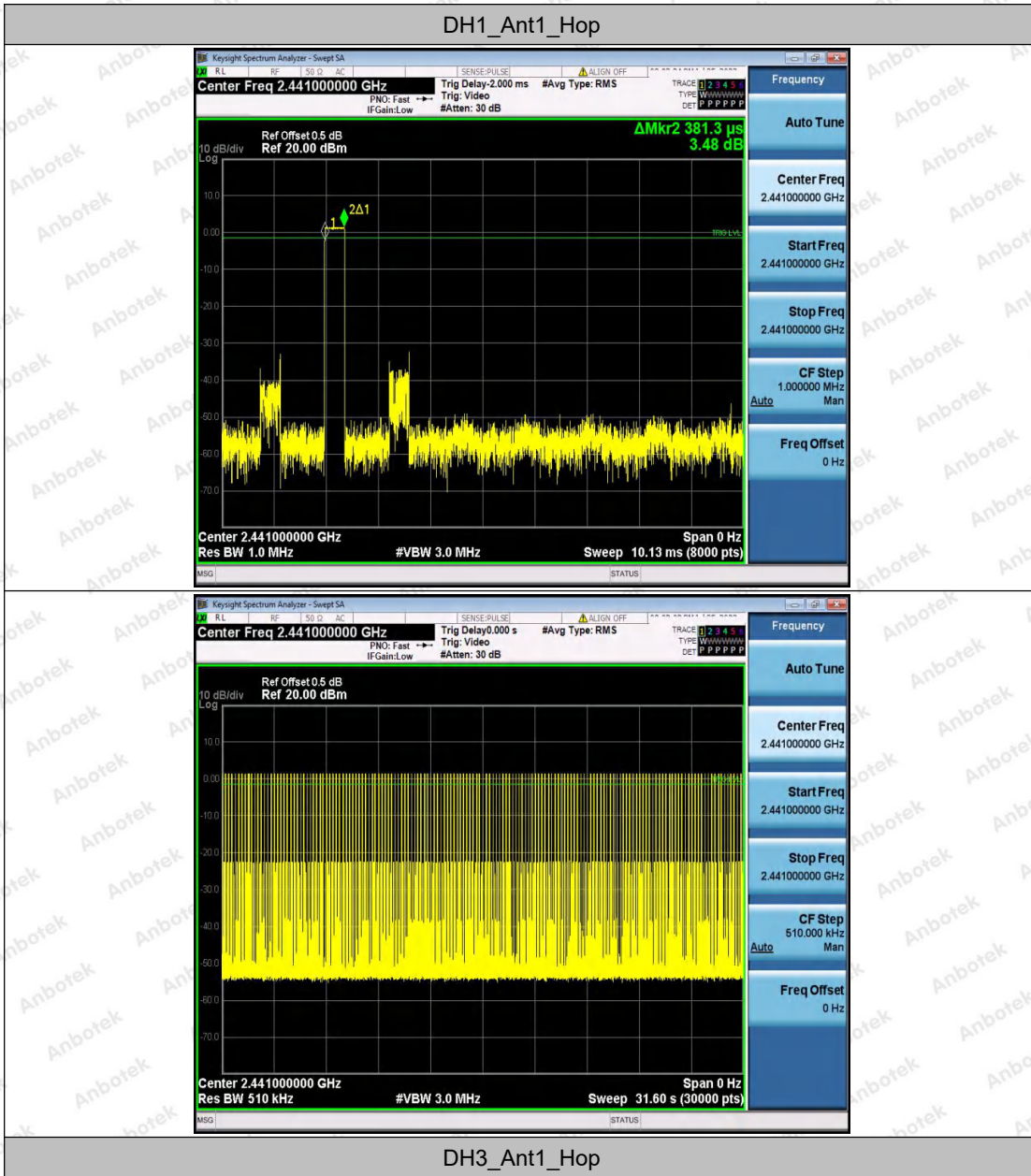
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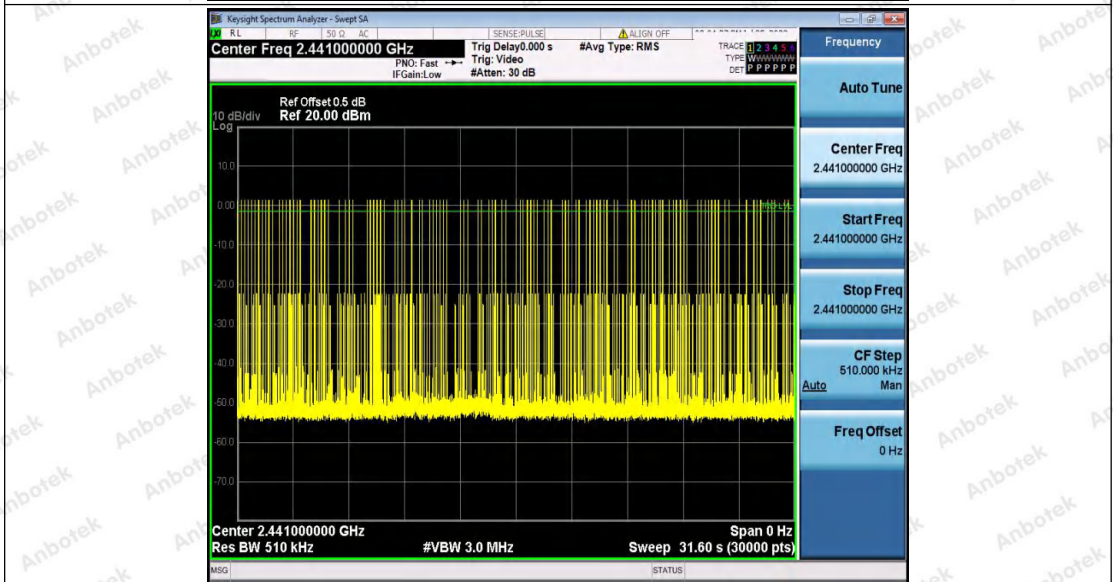
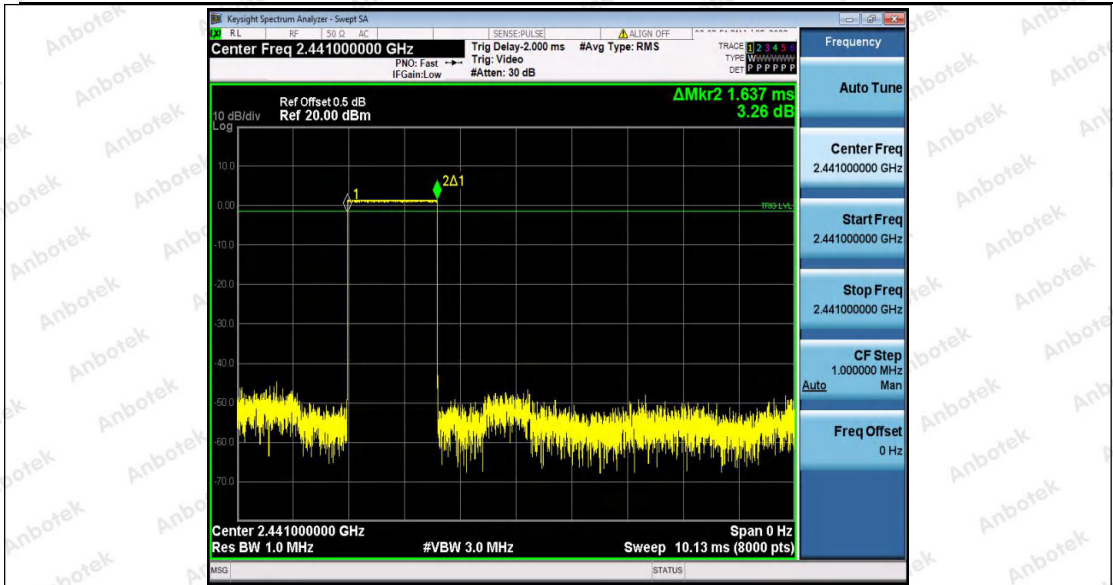
Appendix E: Time of occupancy

Test Result

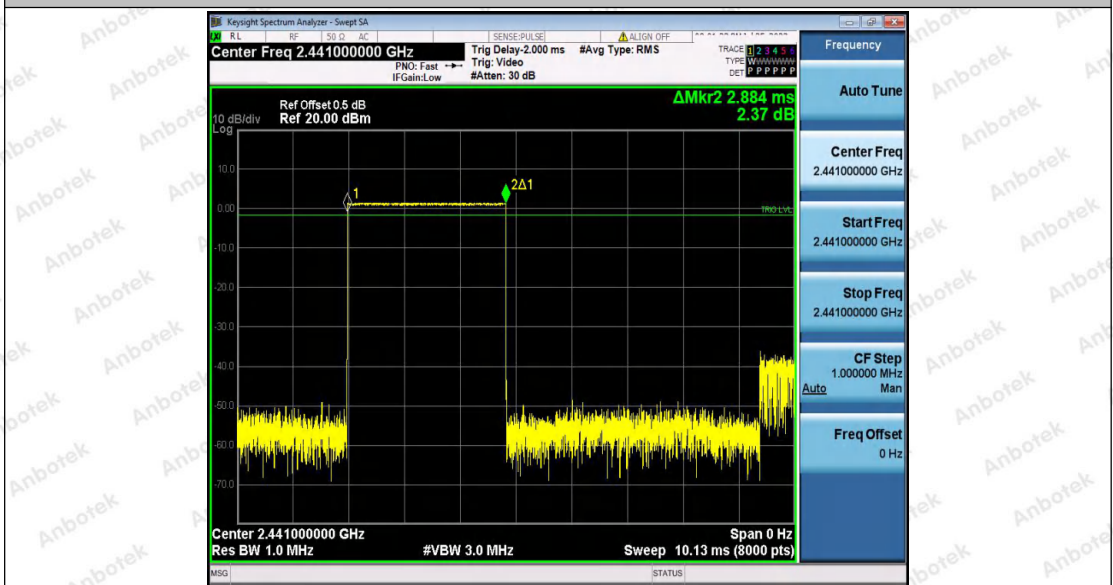
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.38	318	0.121	≤0.4	PASS
DH3	Ant1	Hop	1.64	155	0.254	≤0.4	PASS
DH5	Ant1	Hop	2.88	118	0.34	≤0.4	PASS
2DH1	Ant1	Hop	0.39	319	0.124	≤0.4	PASS
2DH3	Ant1	Hop	1.64	154	0.253	≤0.4	PASS
2DH5	Ant1	Hop	2.89	99	0.286	≤0.4	PASS

Test Graphs





DH5_Ant1_Hop

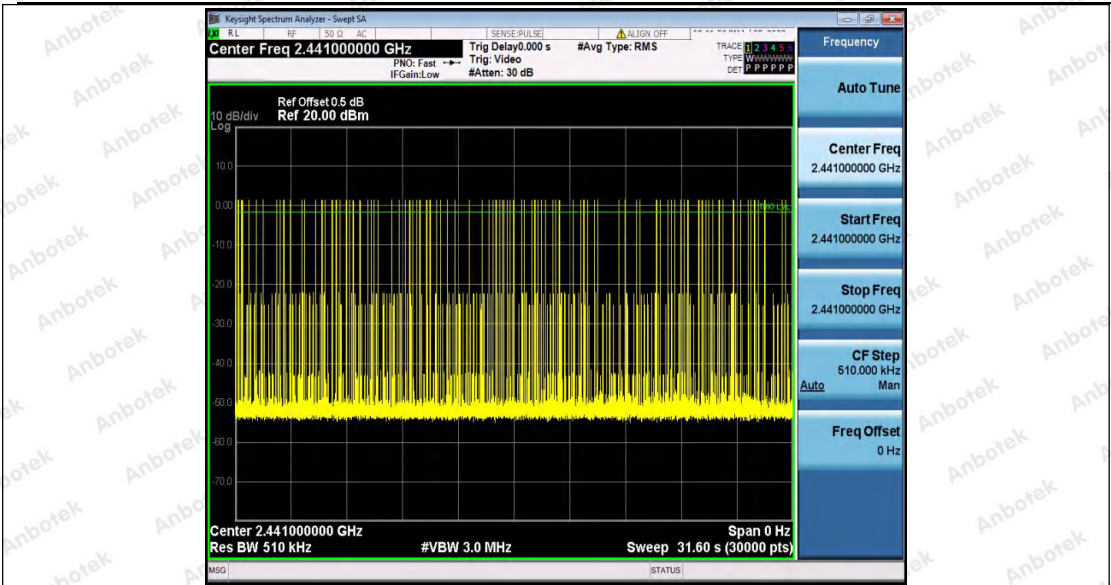


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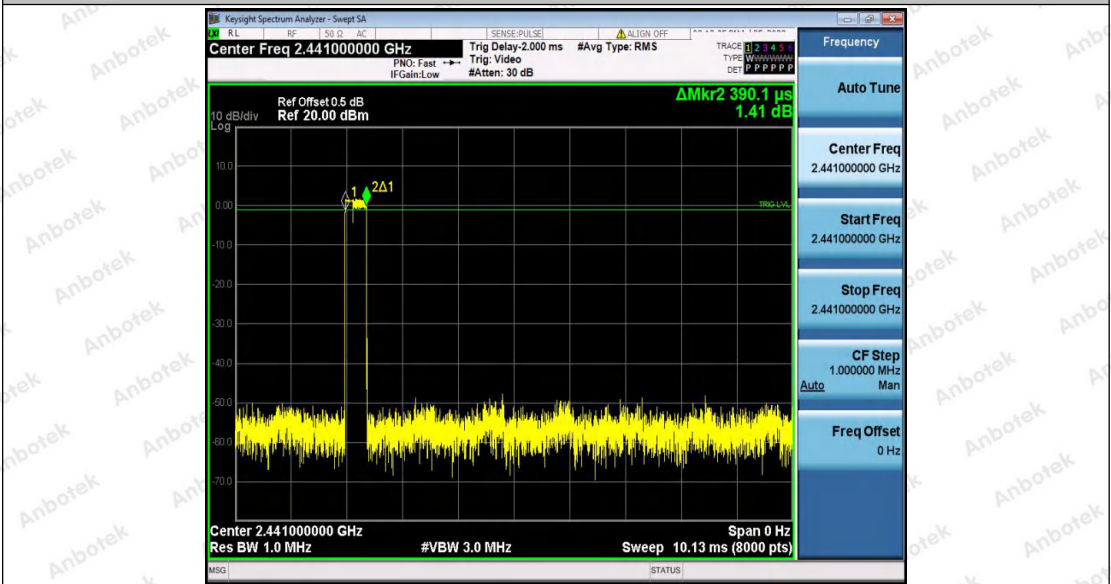
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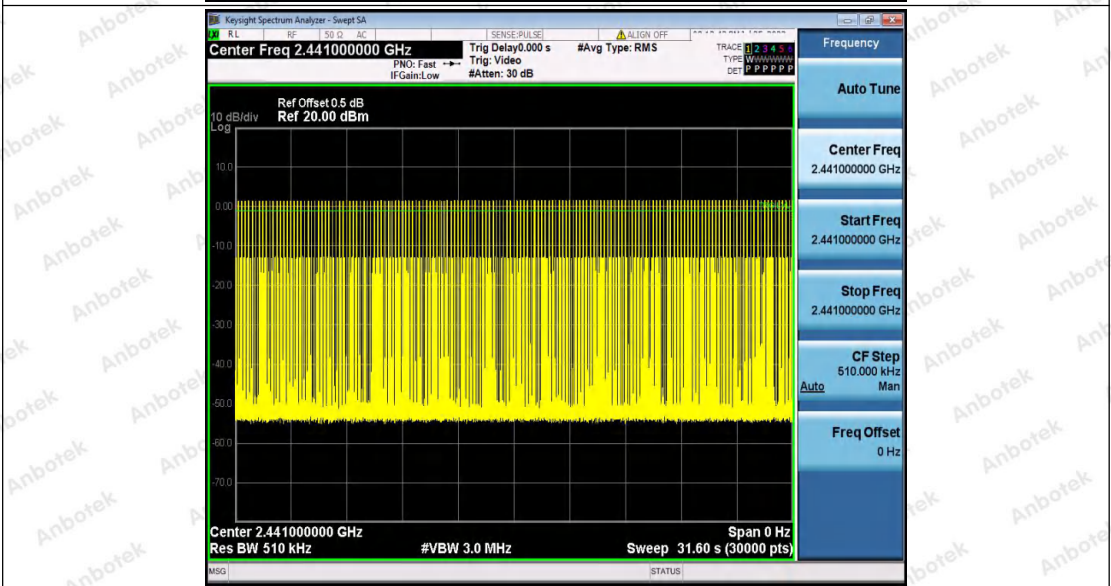
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2DH1_Ant1_Hop



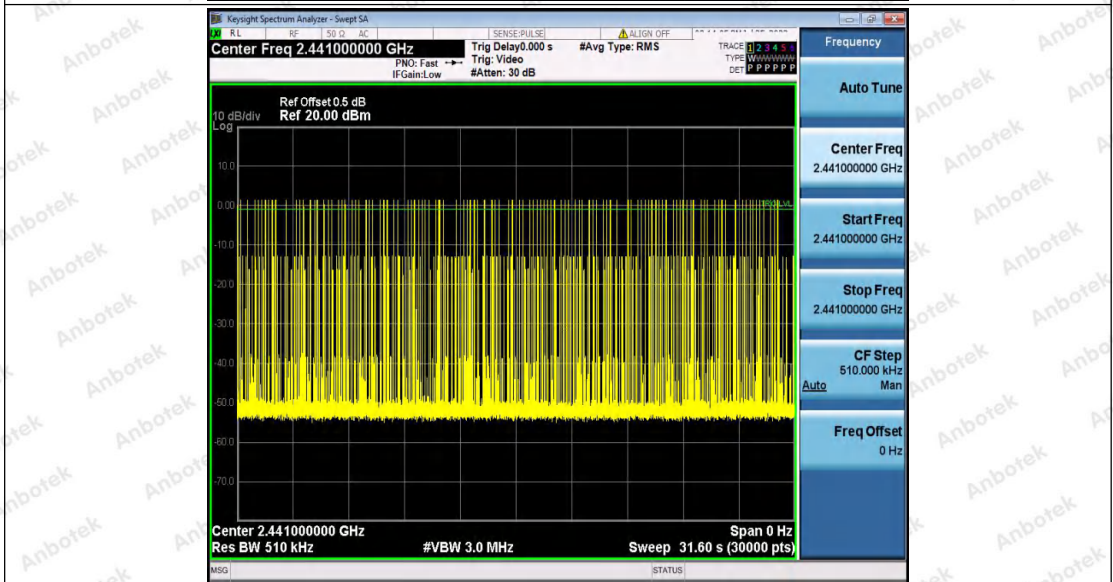
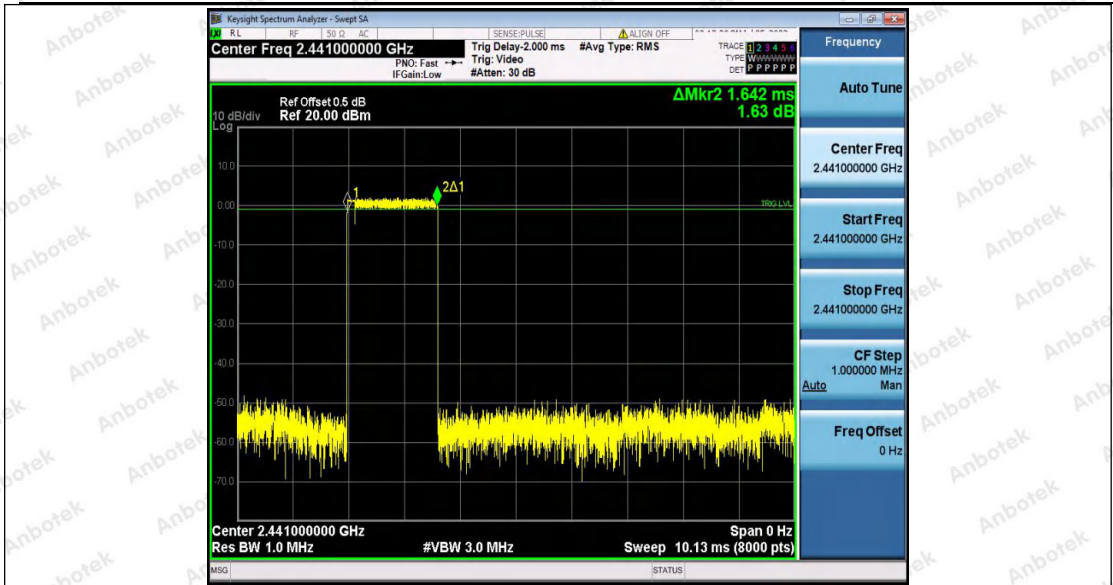
2DH3_Ant1_Hop



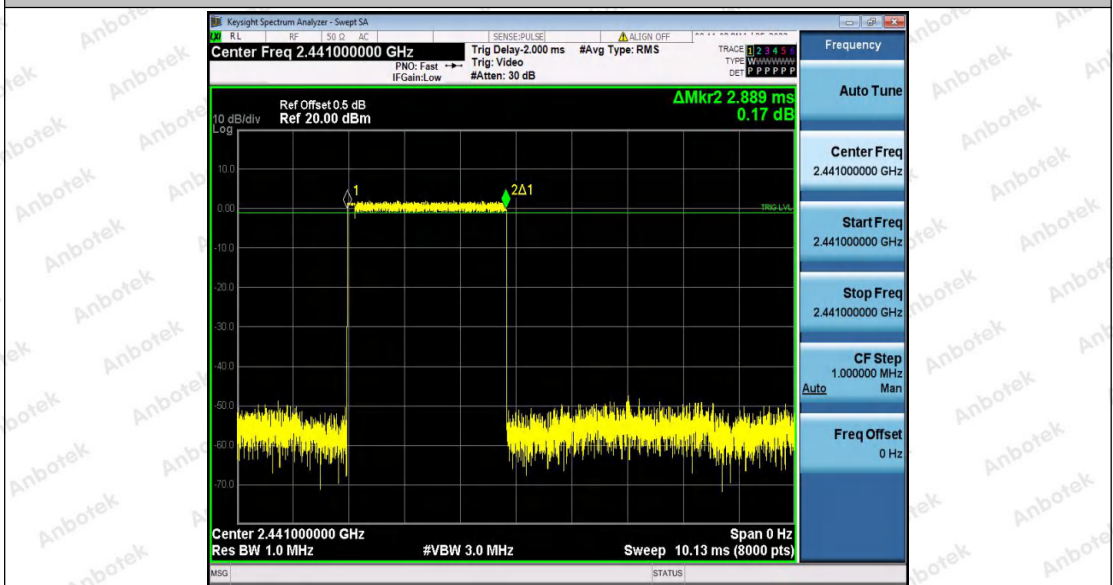
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2DH5_Ant1_Hop

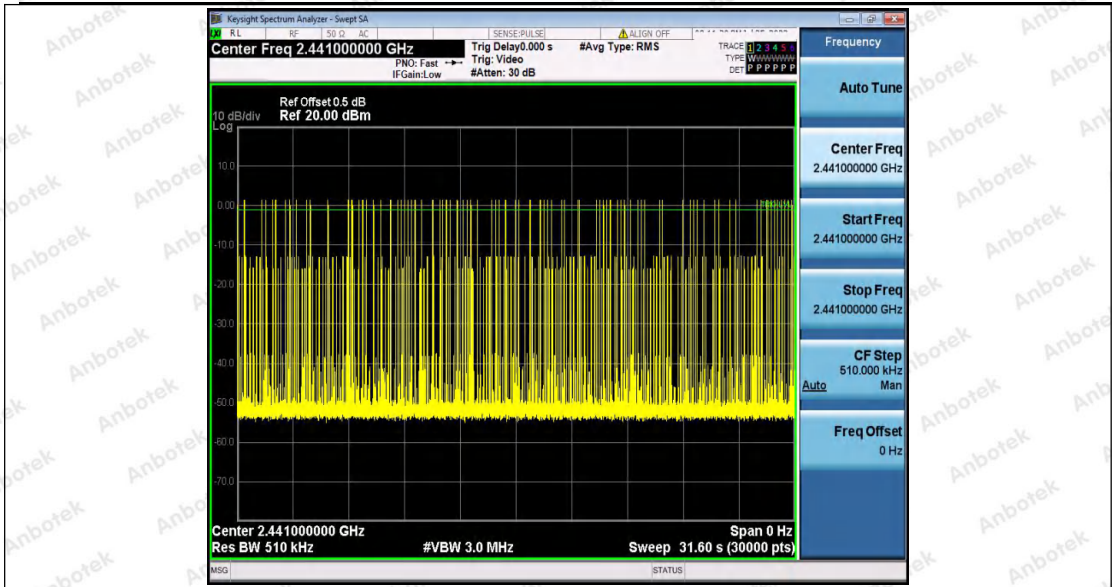


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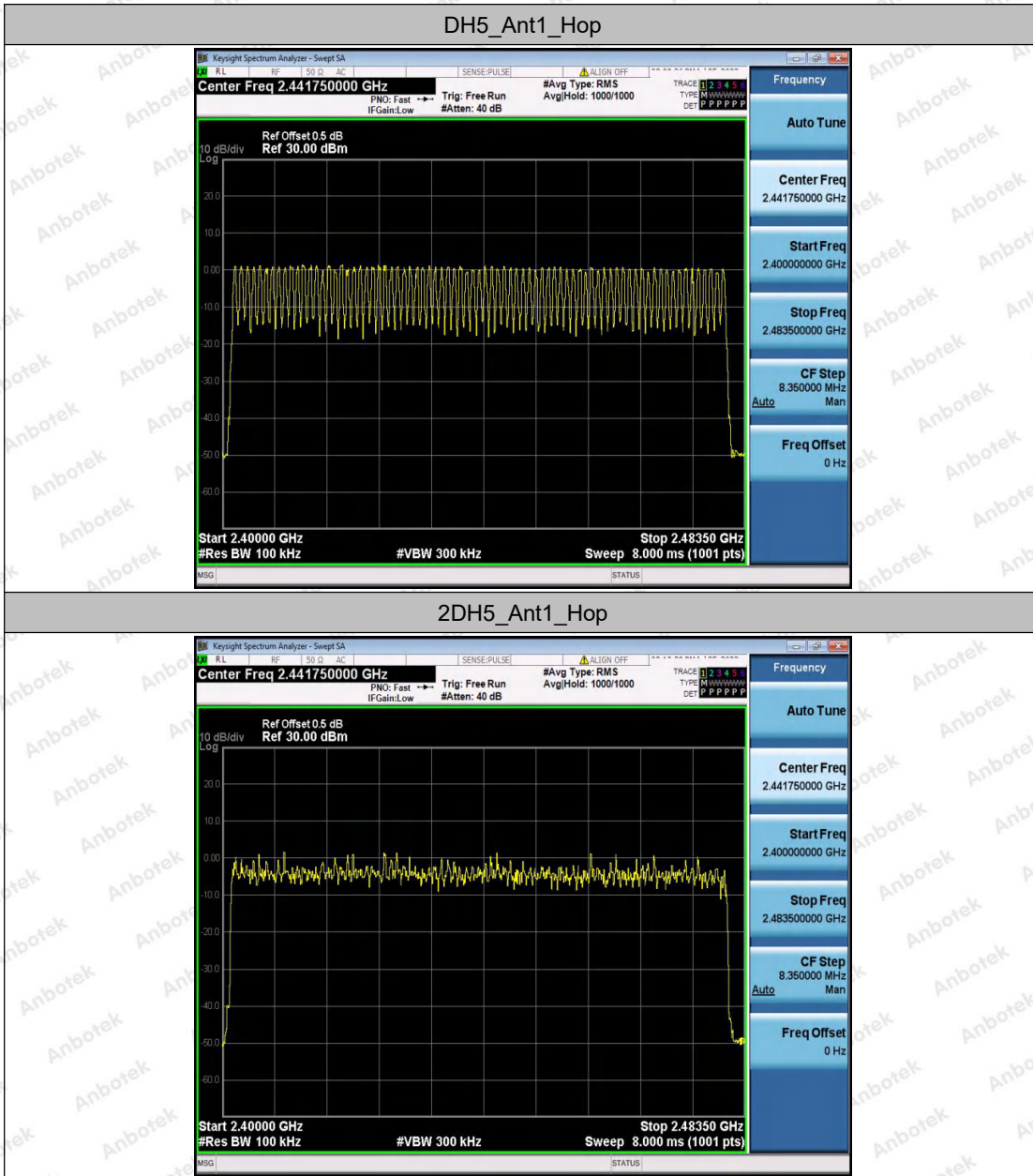
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Appendix F: Number of hopping channels

Test Result

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

Test Graphs

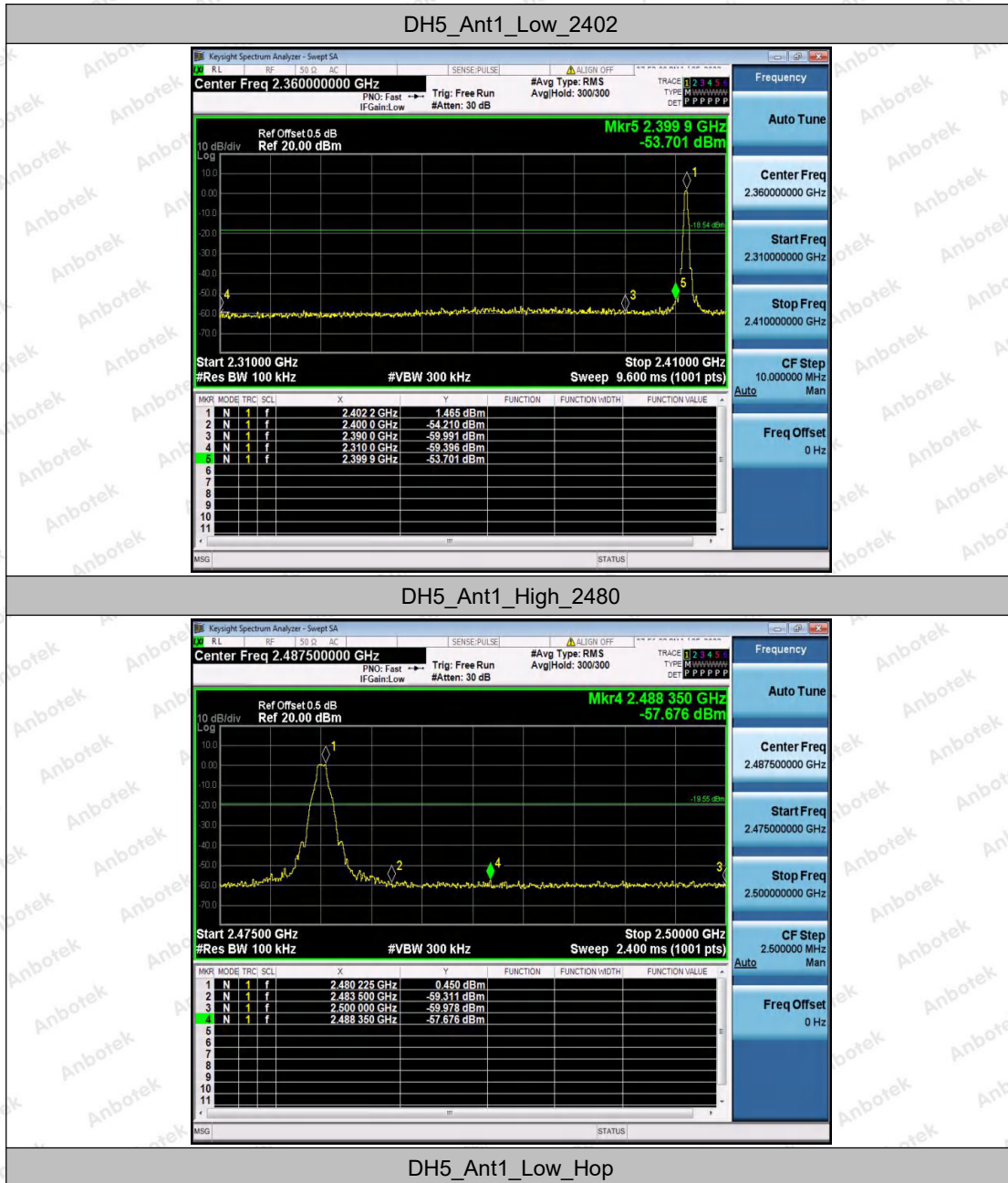


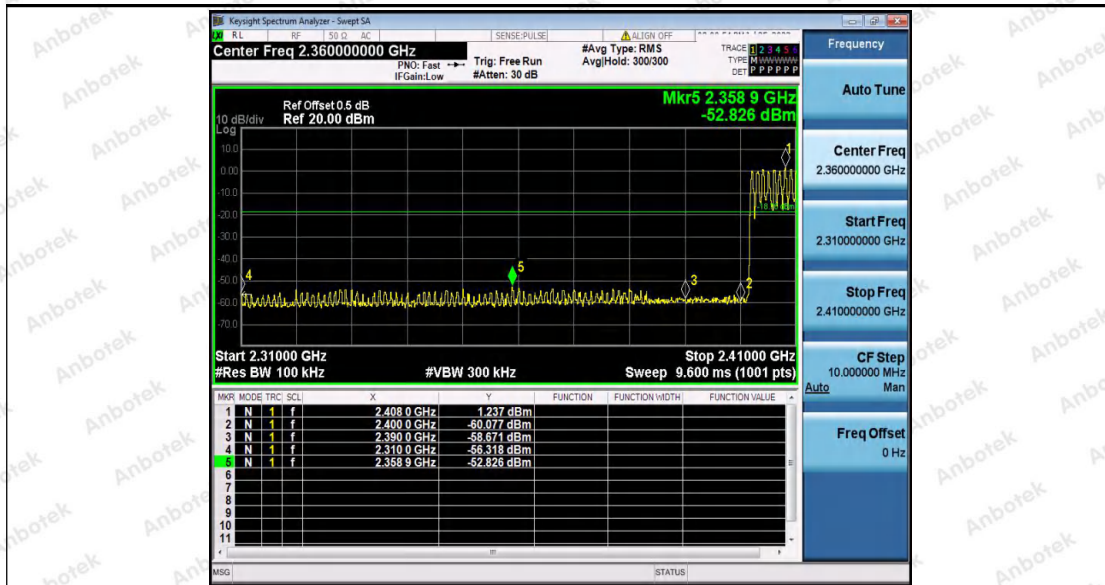
Appendix G: Band edge measurements

Test Result

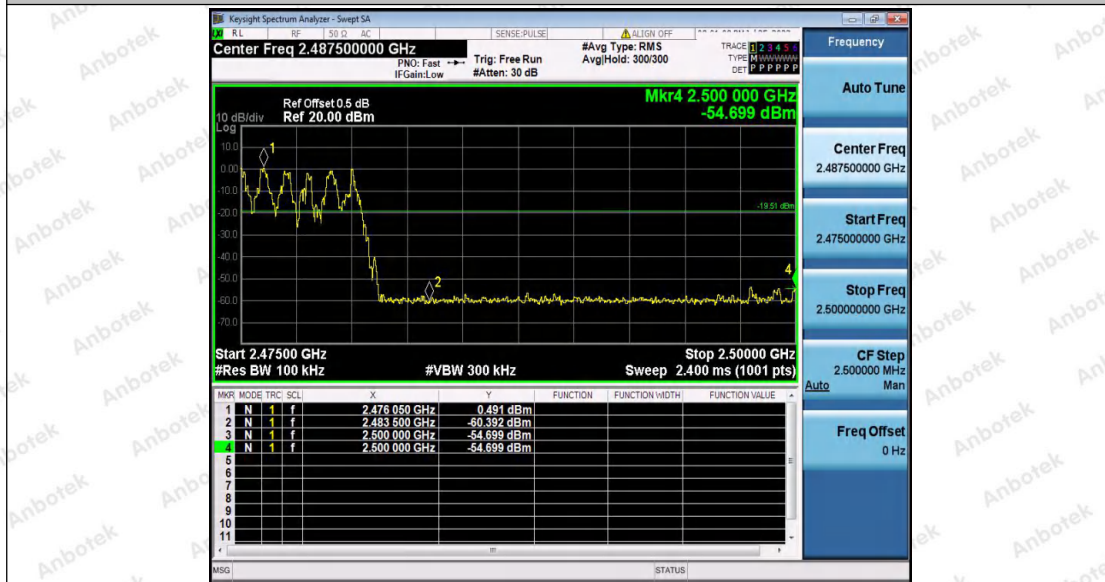
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	1.47	-53.7	≤-18.54	PASS
		High	2480	0.45	-57.68	≤-19.55	PASS
		Low	Hop	1.24	-52.83	≤-18.76	PASS
		High	Hop	0.49	-54.7	≤-19.51	PASS
2DH5	Ant1	Low	2402	1.47	-52.56	≤-18.53	PASS
		High	2480	0.55	-57.75	≤-19.45	PASS
		Low	Hop	-1.13	-53.6	≤-21.13	PASS
		High	Hop	-1.54	-60.6	≤-21.54	PASS

Test Graphs

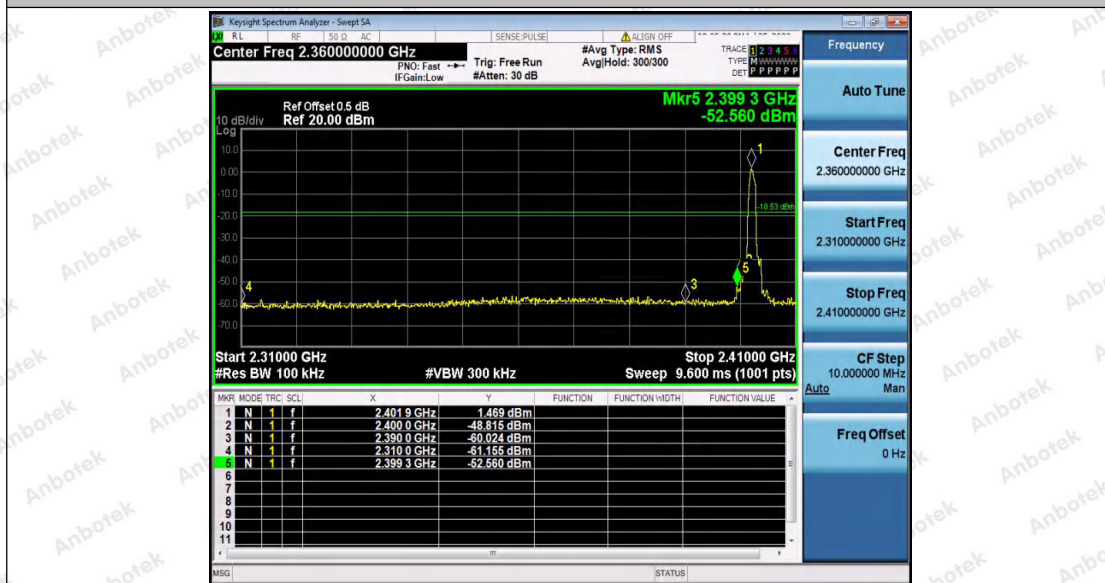




DH5_Ant1_High_Hop



2DH5_Ant1_Low_2402



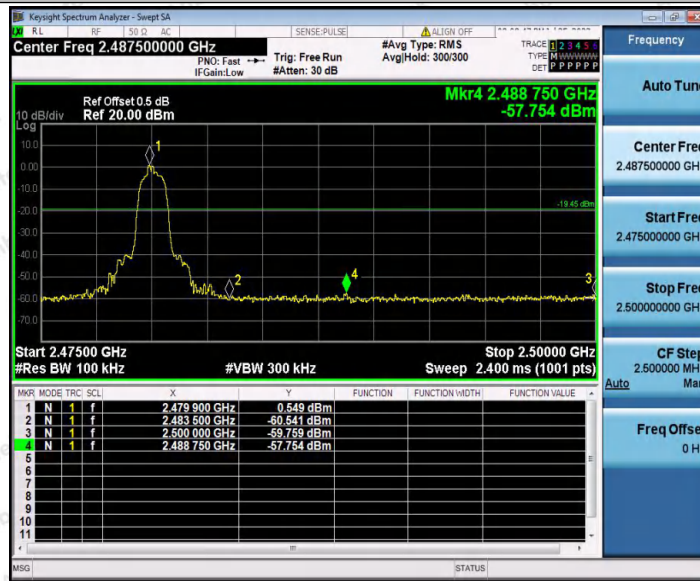
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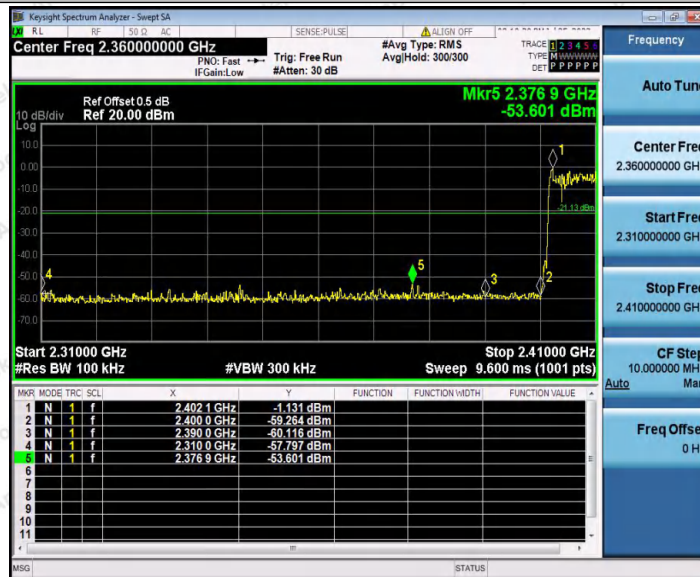
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2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop



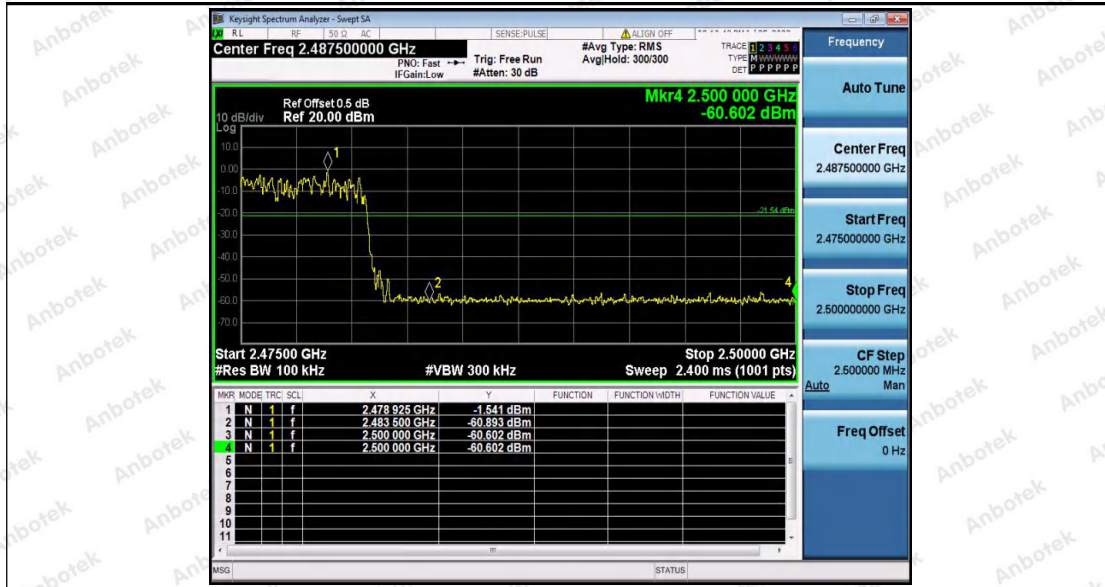
2DH5_Ant1_High_Hop

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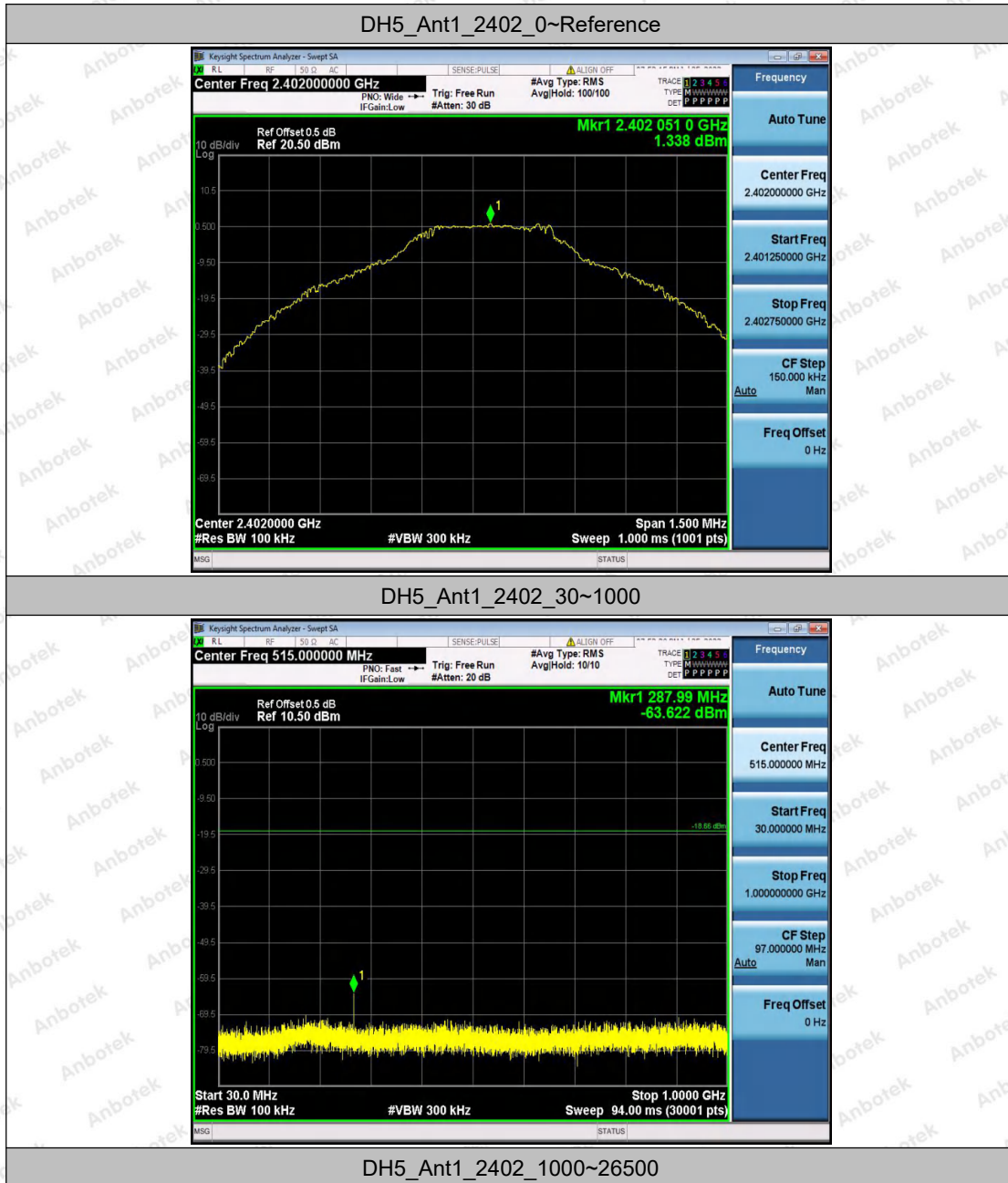
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Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	1.34	1.34	---	PASS
			30~1000	1.34	-63.62	≤-18.66	PASS
			1000~26500	1.34	-39.73	≤-18.66	PASS
		2441	Reference	1.17	1.17	---	PASS
			30~1000	1.17	-56.96	≤-18.83	PASS
			1000~26500	1.17	-38.87	≤-18.83	PASS
		2480	Reference	0.43	0.43	---	PASS
			30~1000	0.43	-57.34	≤-19.57	PASS
			1000~26500	0.43	-41.12	≤-19.57	PASS
2DH5	Ant1	2402	Reference	1.29	1.29	---	PASS
			30~1000	1.29	-63.46	≤-18.71	PASS
			1000~26500	1.29	-39.45	≤-18.71	PASS
		2441	Reference	1.24	1.24	---	PASS
			30~1000	1.24	-57.23	≤-18.76	PASS
			1000~26500	1.24	-38.92	≤-18.76	PASS
		2480	Reference	0.43	0.43	---	PASS
			30~1000	0.43	-57.42	≤-19.58	PASS
			1000~26500	0.43	-41.14	≤-19.58	PASS

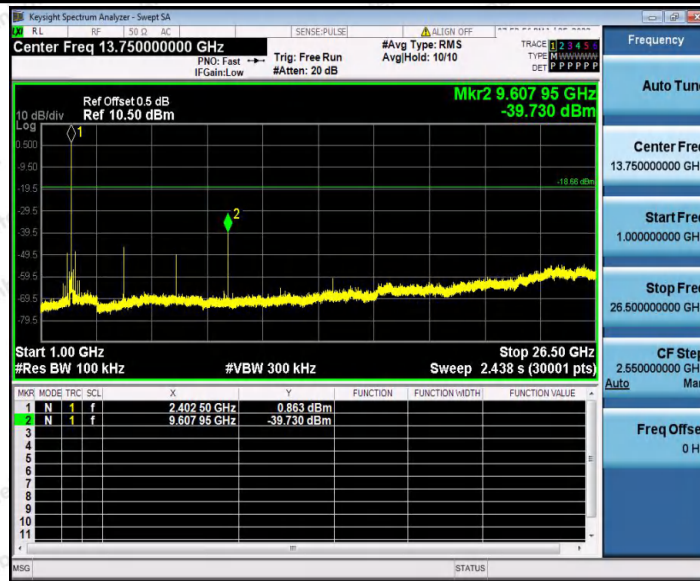
Test Graphs



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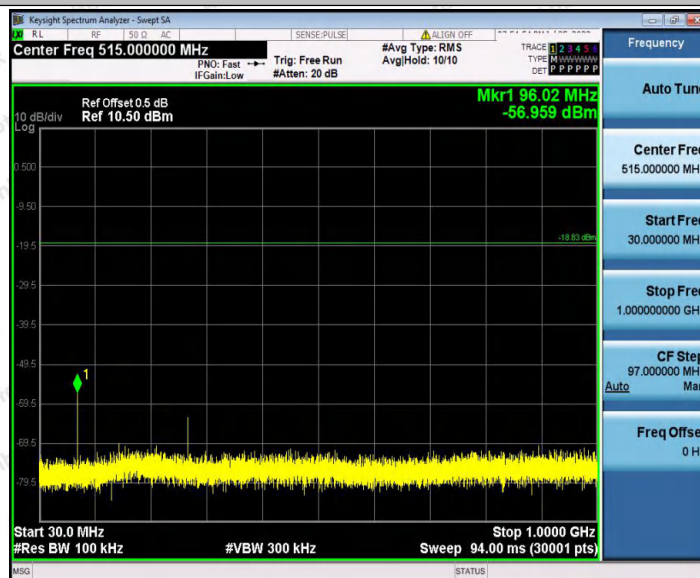
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DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000

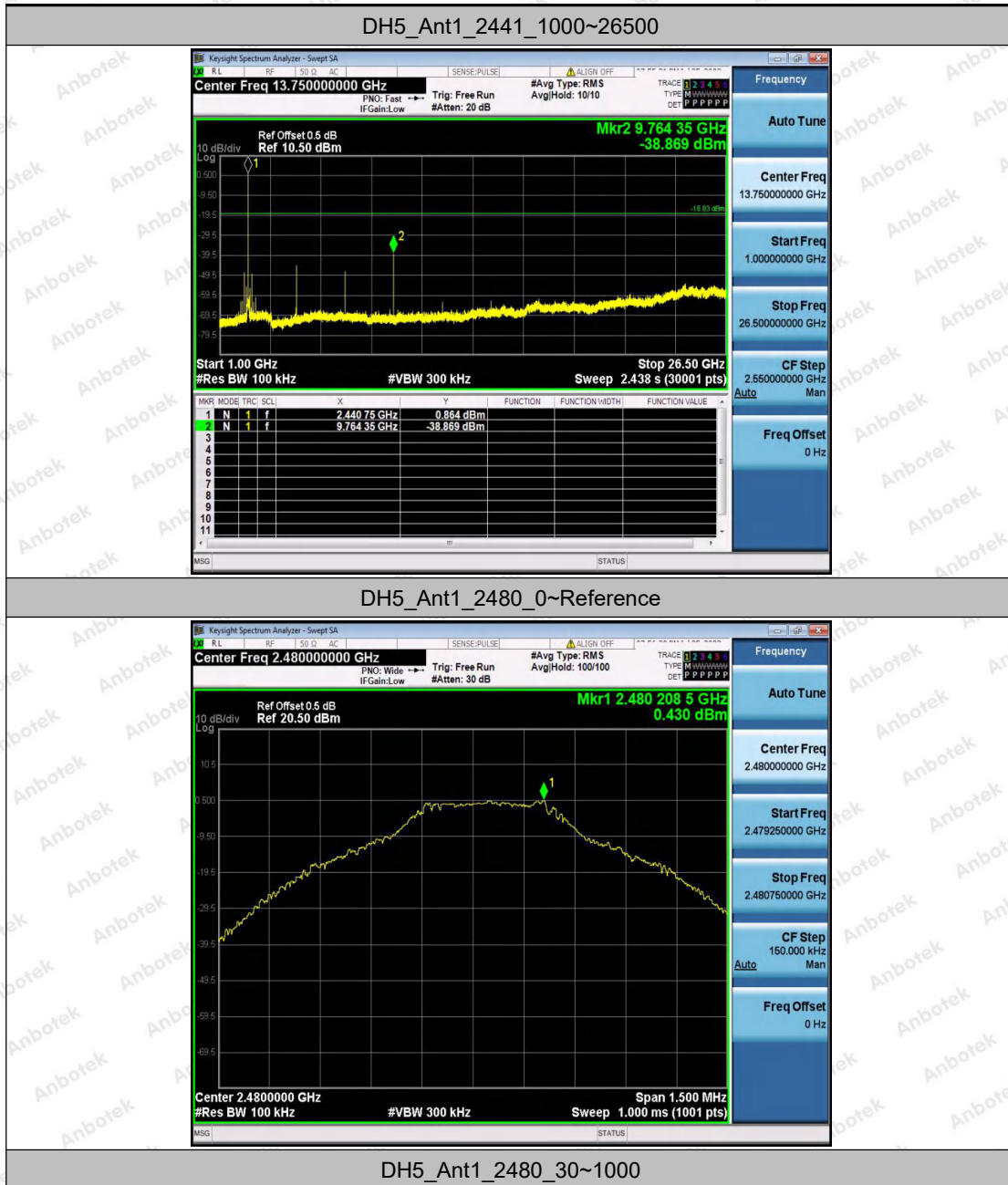


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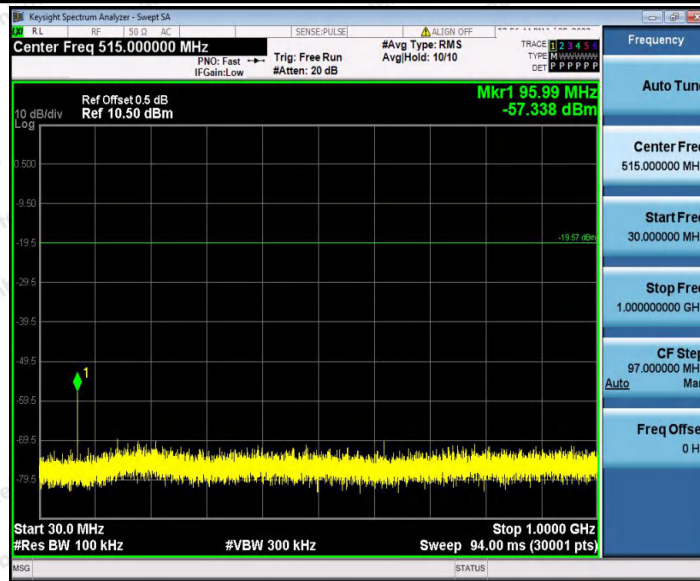


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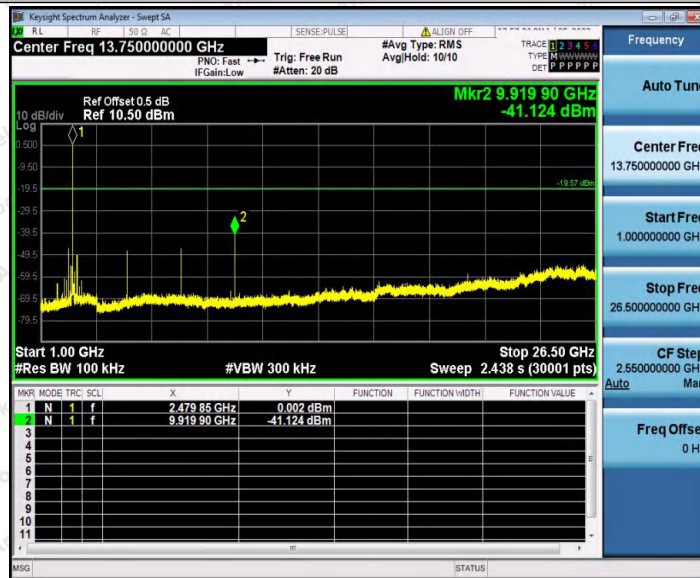
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DH5_Ant1_2480_1000~26500



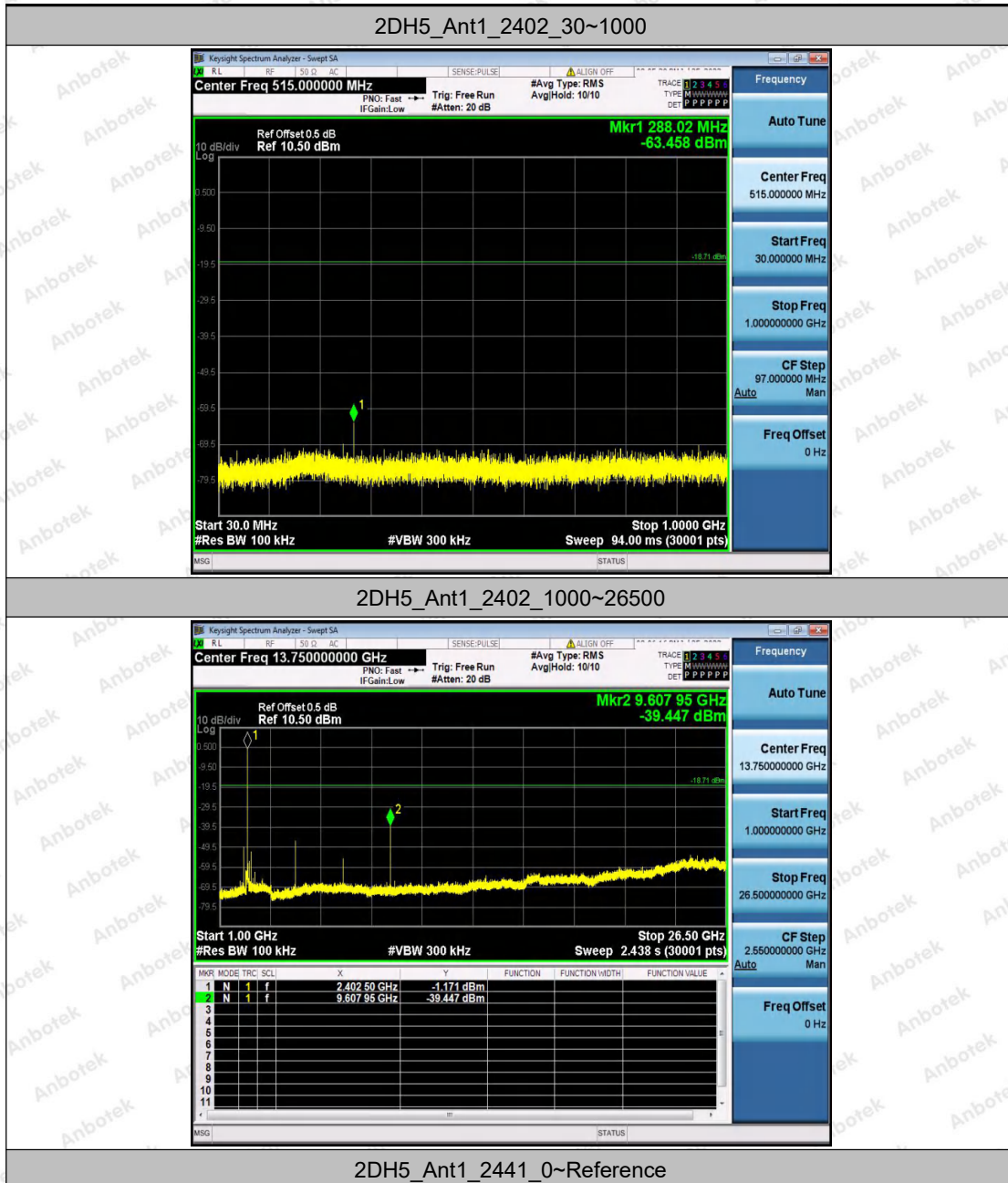
2DH5_Ant1_2402_0~Reference



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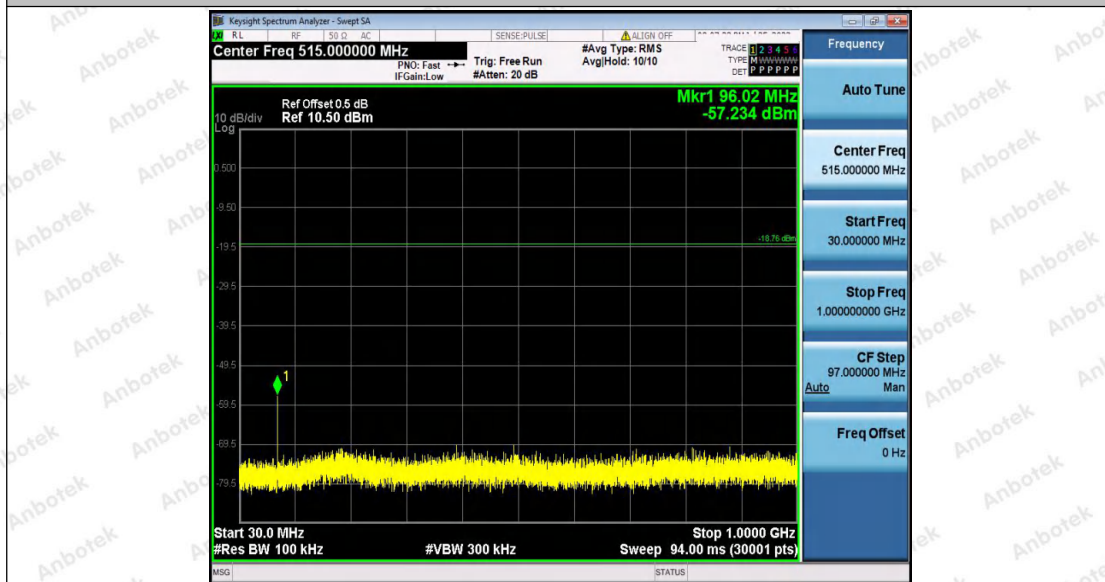
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Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

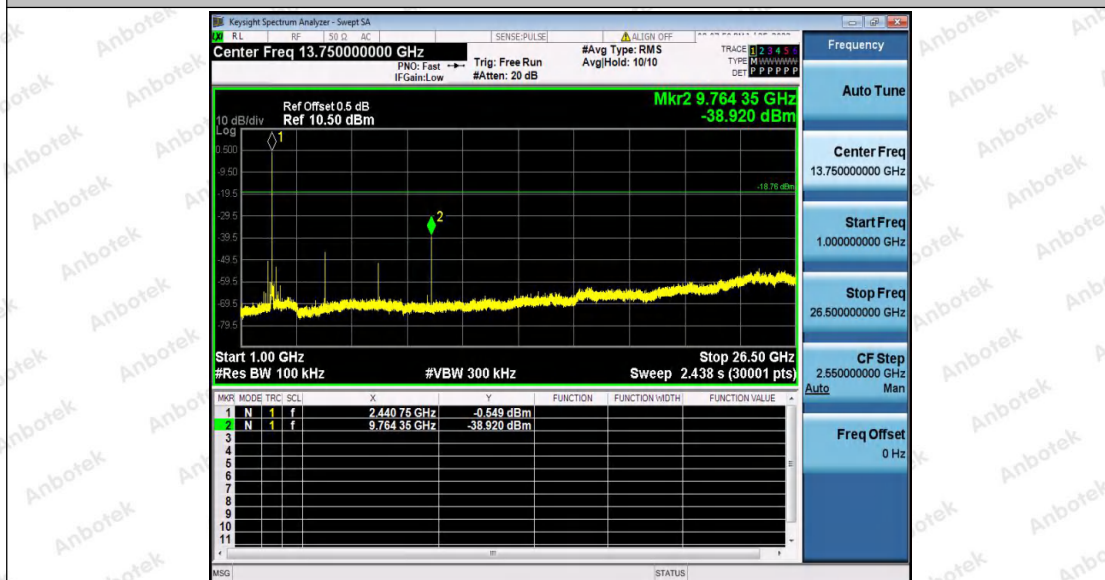
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2DH5_Ant1_2441_30~1000



2DH5_Ant1_2441_1000~26500

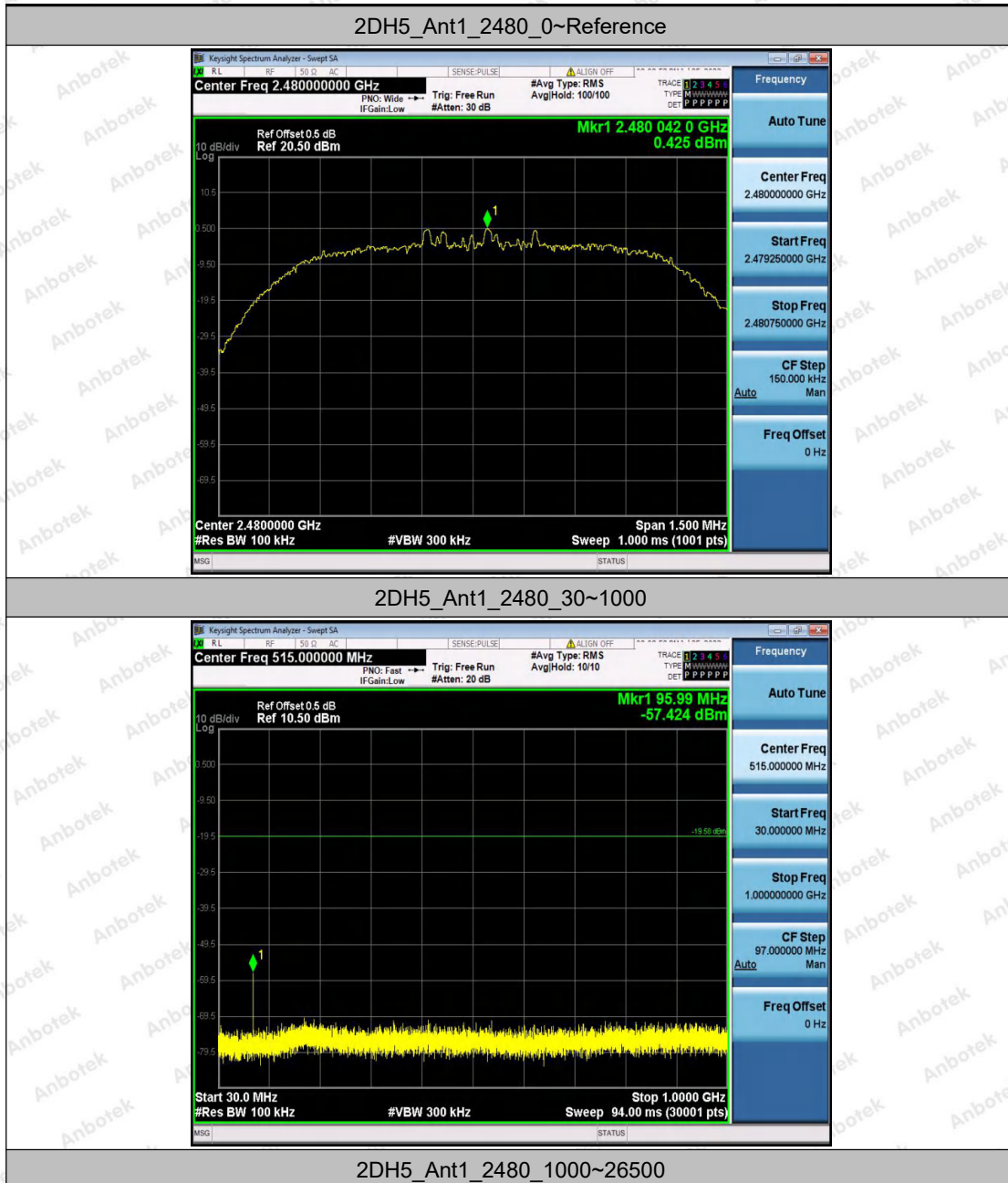


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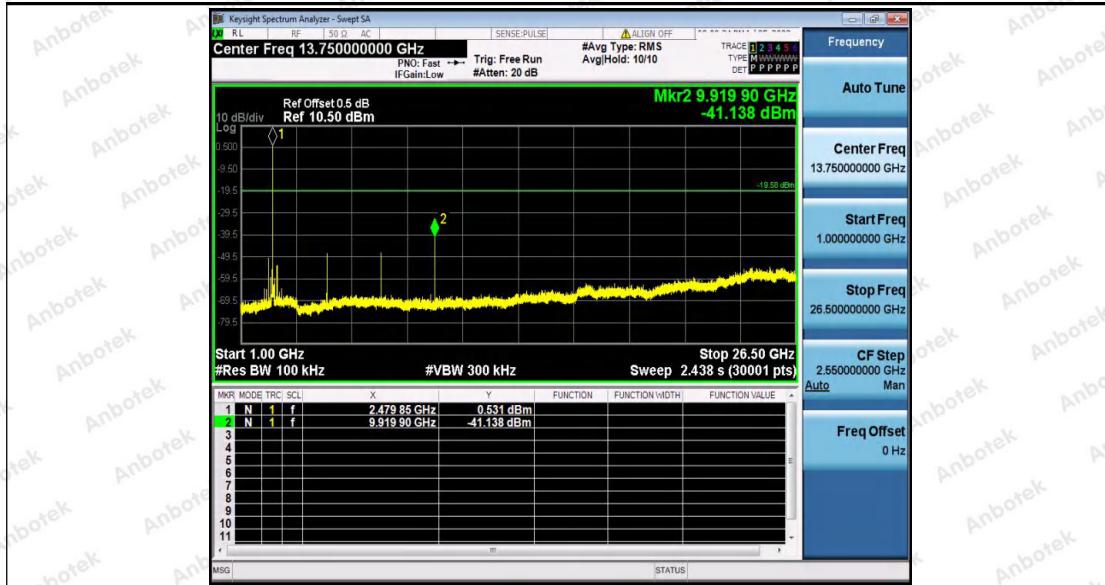


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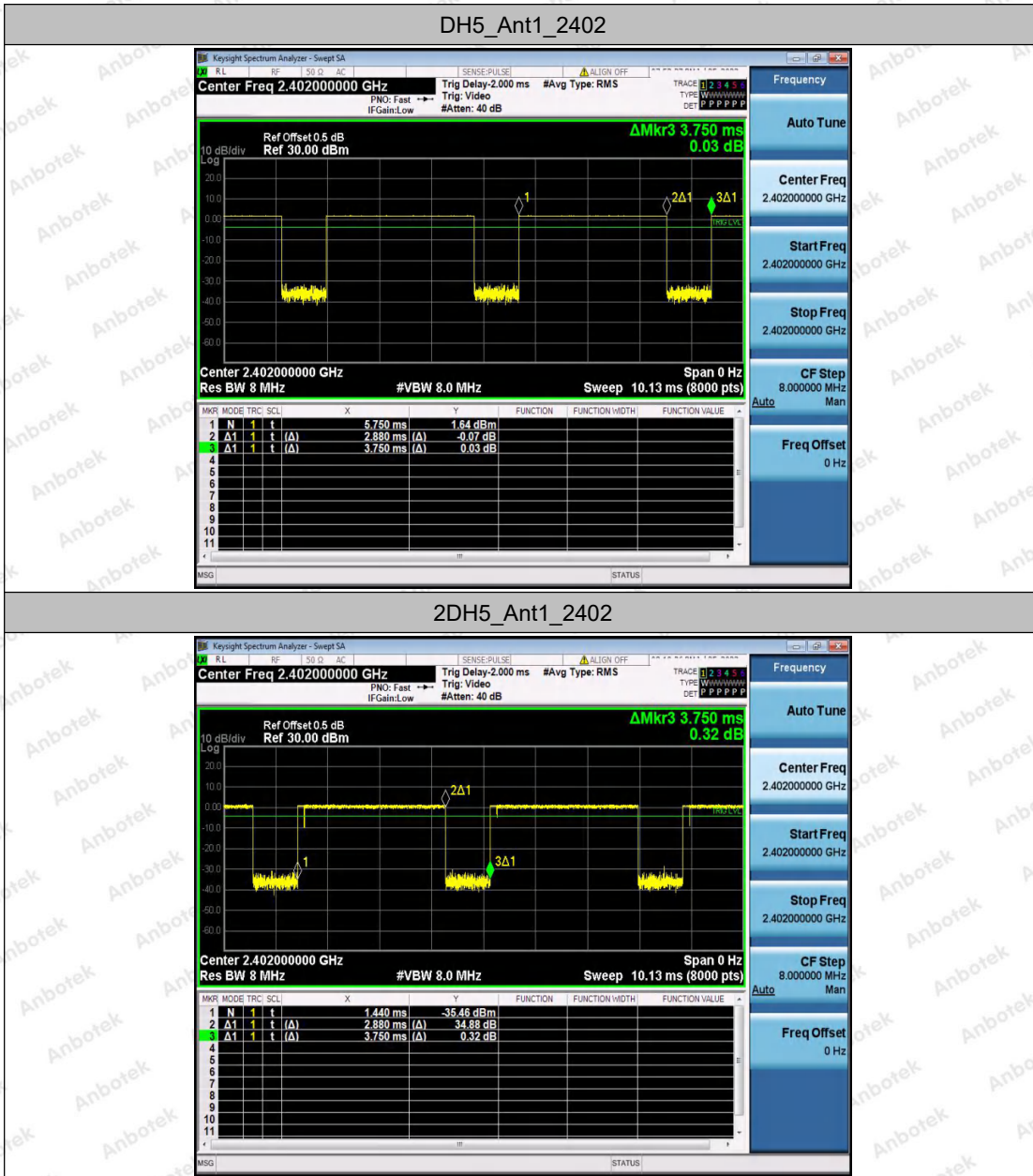
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Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
DH5	Ant1	2402	2.88	3.75	0.768 0	76.80	1.15	---	PASS
2DH5	Ant1	2402	2.88	3.75	0.768 0	76.80	1.15	---	PASS

Test Graphs



---End---