

Appendix Test Data

Report No.:	18220WC20150301	Test Sample No.:	1-2-2
Start Test Date:	2022.7.6	Finish Test Date:	2022.7.18
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.3℃	Relative Humidity:	57.1 %
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	0.945	2401.511	2402.456	---	PASS
		2441	0.945	2440.511	2441.456	---	PASS
		2480	0.945	2479.511	2480.456	---	PASS
2DH5	Ant1	2402	1.326	2401.310	2402.636	---	PASS
		2441	1.326	2440.310	2441.636	---	PASS
		2480	1.329	2479.310	2480.639	---	PASS

Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480



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	0.85420	2401.54 3	2402.397	---	PASS
		2441	0.85344	2440.54 4	2441.397	---	PASS
		2480	0.84479	2479.54 9	2480.394	---	PASS
2DH5	Ant1	2402	1.1834	2401.38 2	2402.566	---	PASS
		2441	1.1770	2440.38 3	2441.560	---	PASS
		2480	1.1839	2479.38 1	2480.565	---	PASS

Test Graphs



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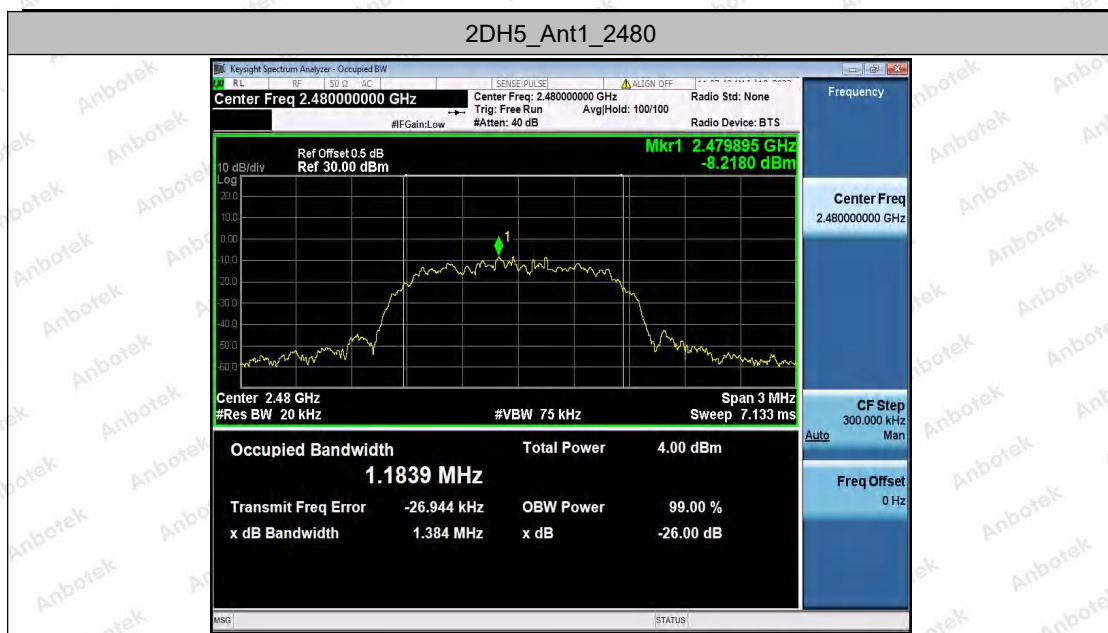
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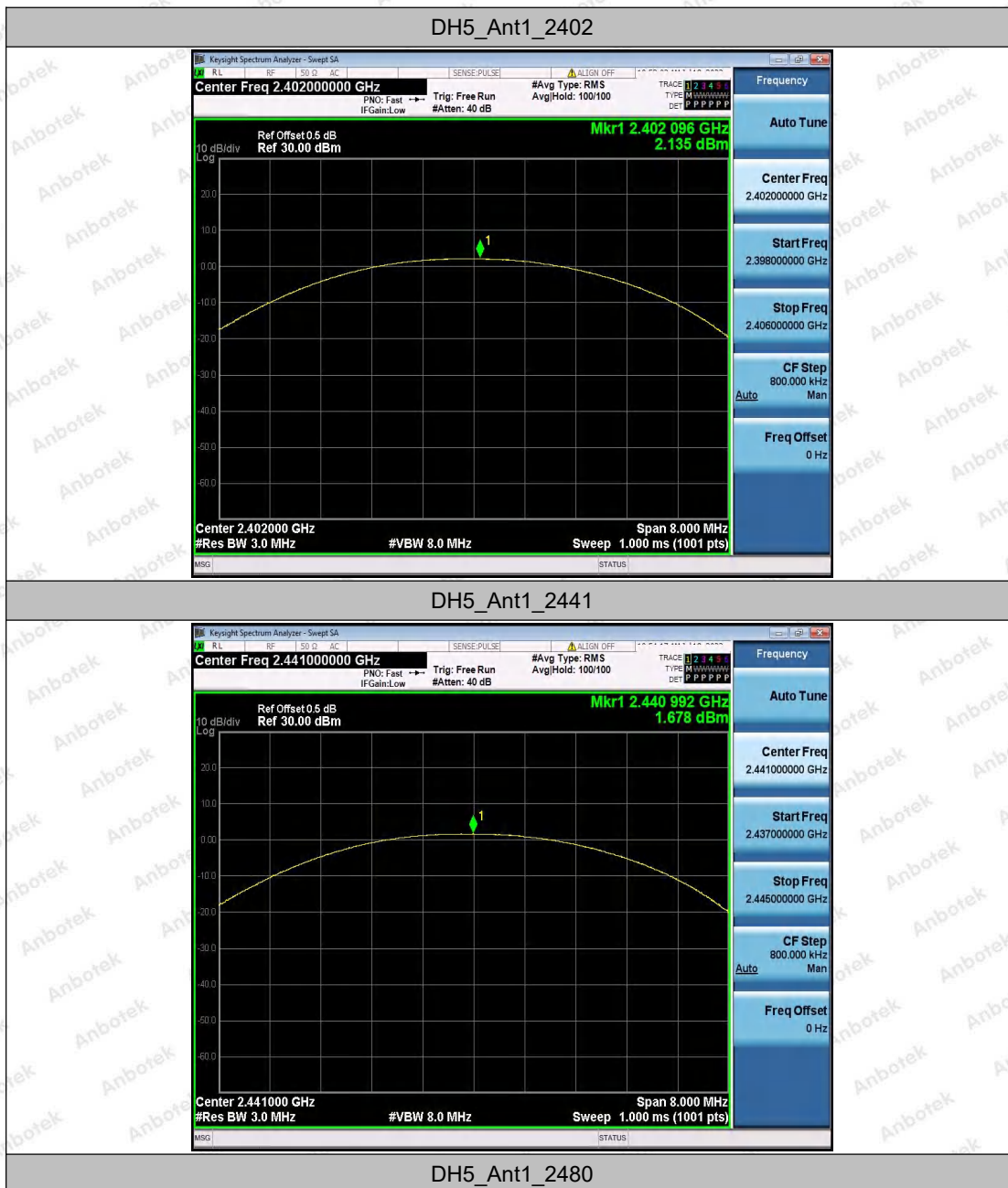
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	2.14	≤20.97	PASS
		2441	1.68	≤20.97	PASS
		2480	0.65	≤20.97	PASS
2DH5	Ant1	2402	1.53	≤20.97	PASS
		2441	1.01	≤20.97	PASS
		2480	-0.04	≤20.97	PASS

Test Graphs

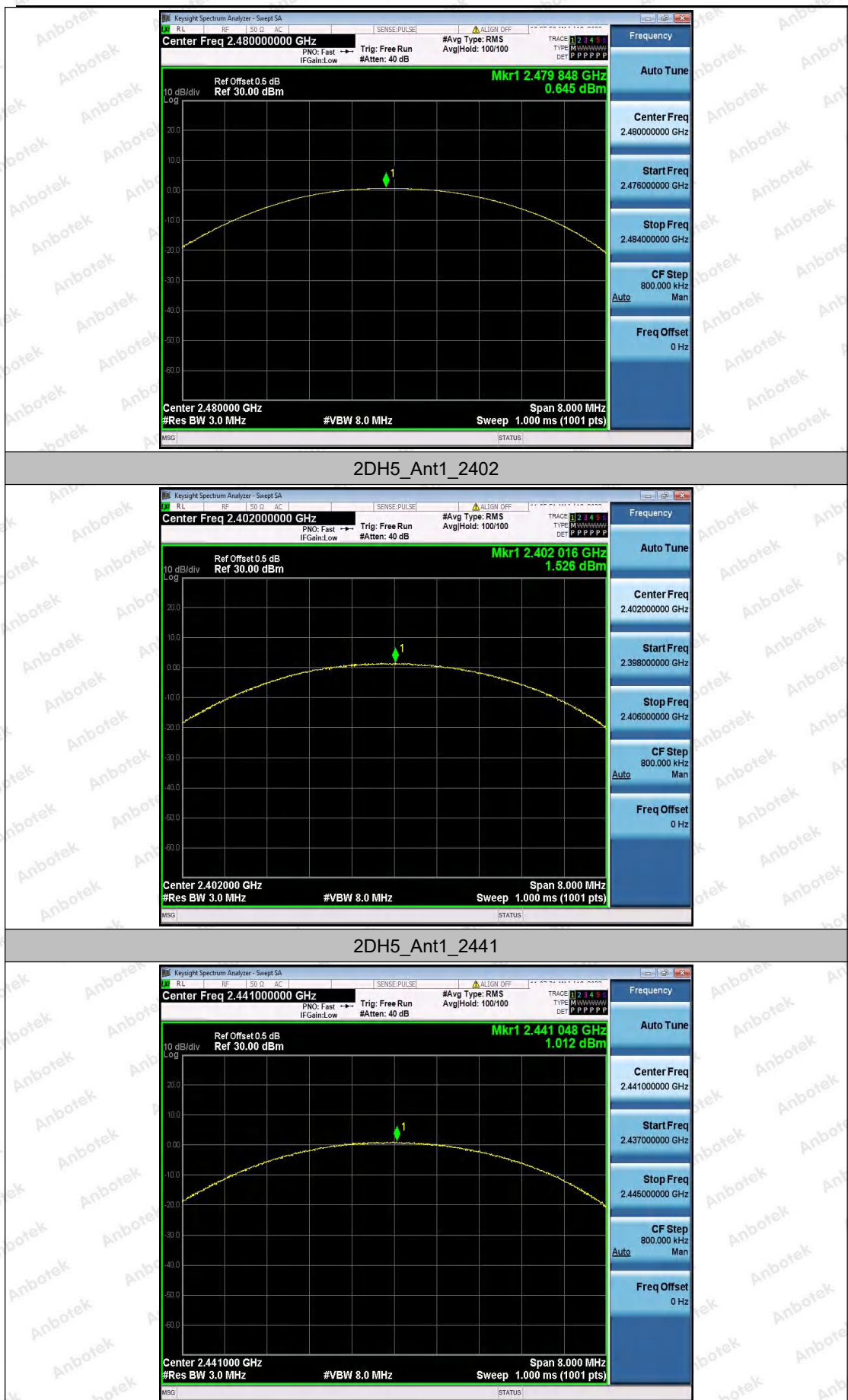


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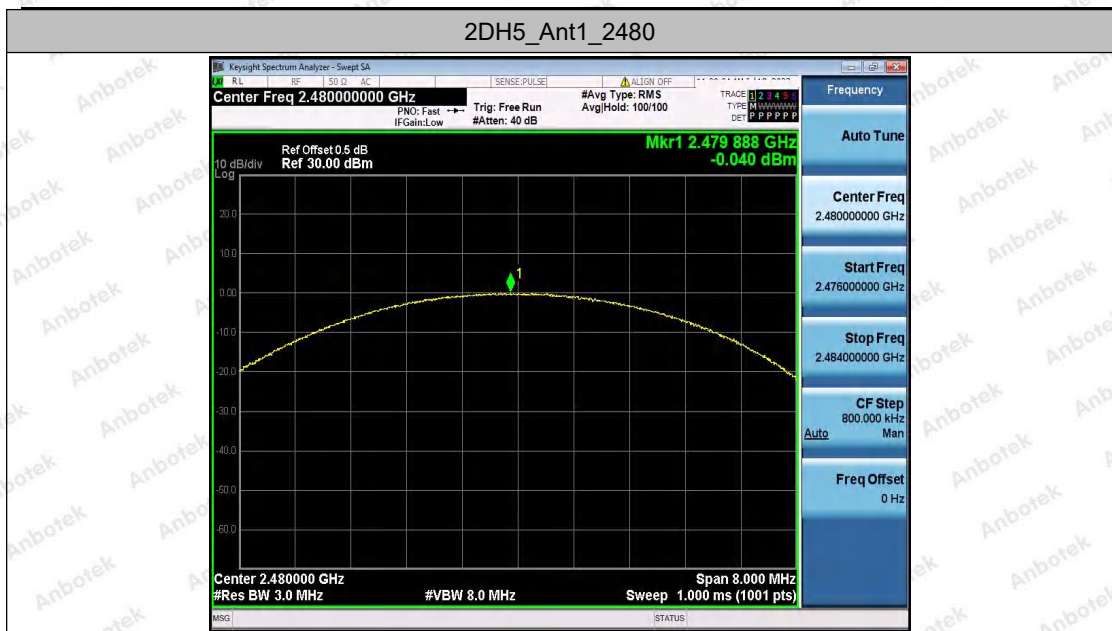


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Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.988	≥ 0.945	PASS
2DH5	Ant1	Hop	1.206	≥ 0.886	PASS

Test Graphs



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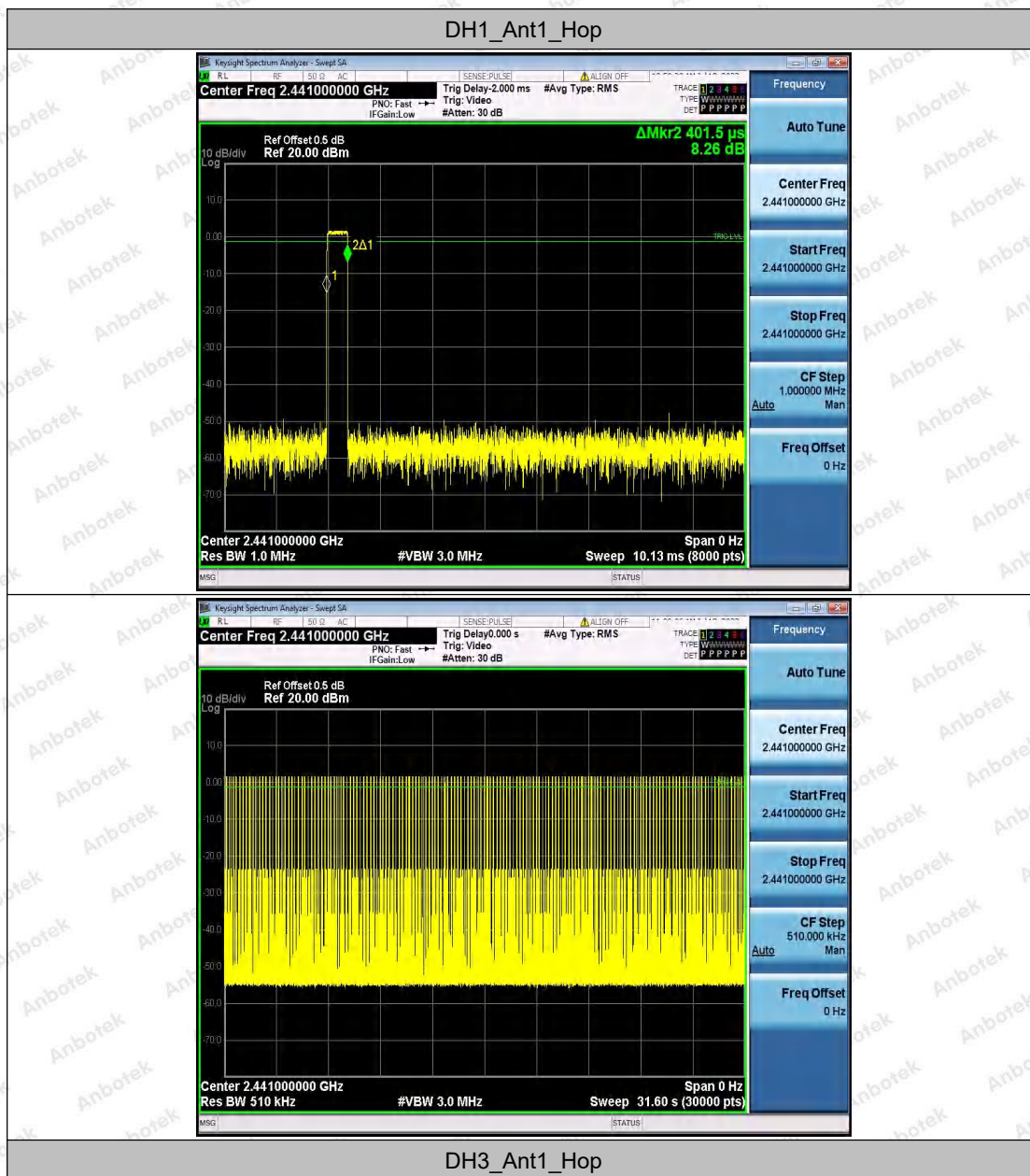
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Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.40	315	0.126	≤0.4	PASS
DH3	Ant1	Hop	1.66	156	0.258	≤0.4	PASS
DH5	Ant1	Hop	2.90	107	0.311	≤0.4	PASS
2DH1	Ant1	Hop	0.41	319	0.131	≤0.4	PASS
2DH3	Ant1	Hop	1.66	160	0.266	≤0.4	PASS
2DH5	Ant1	Hop	2.91	114	0.332	≤0.4	PASS

Test Graphs



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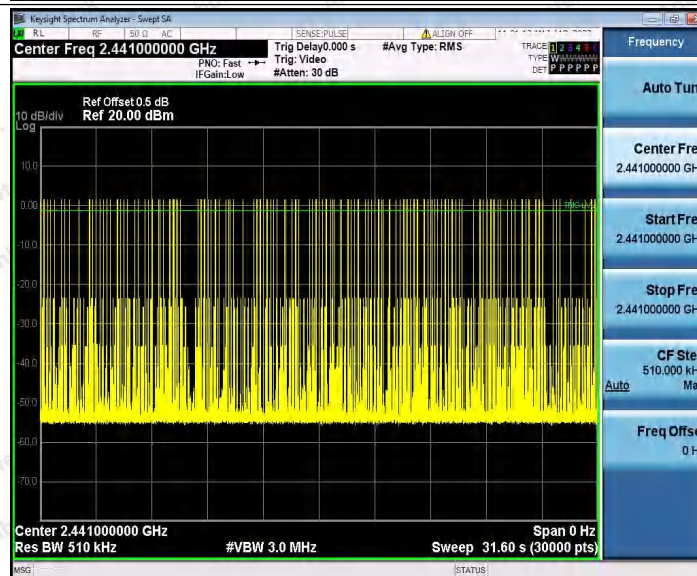
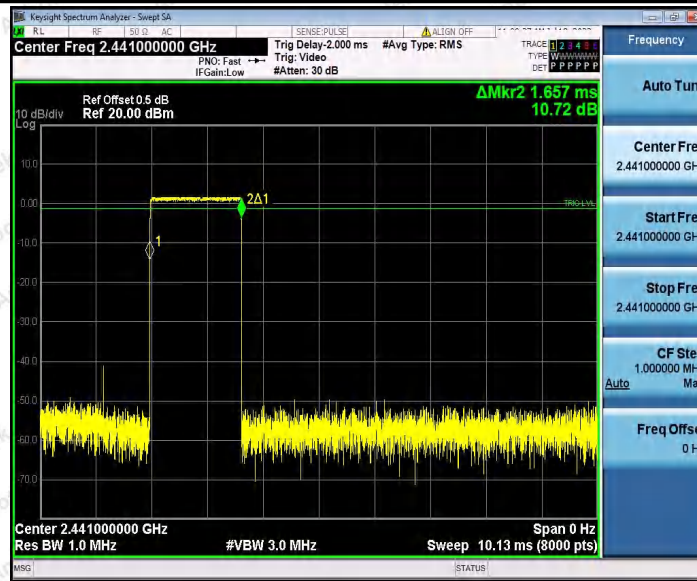
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DH5_Ant1_Hop



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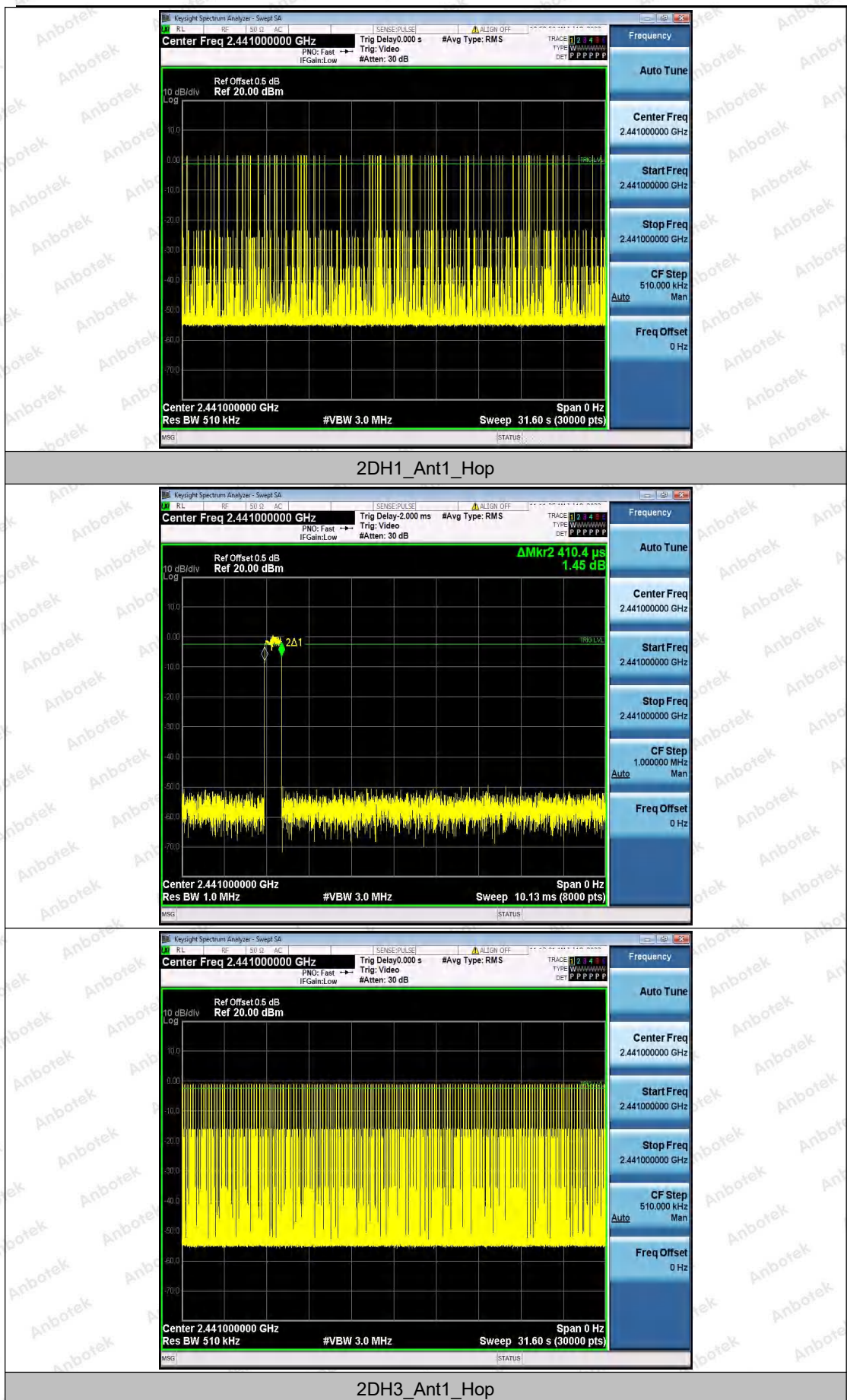
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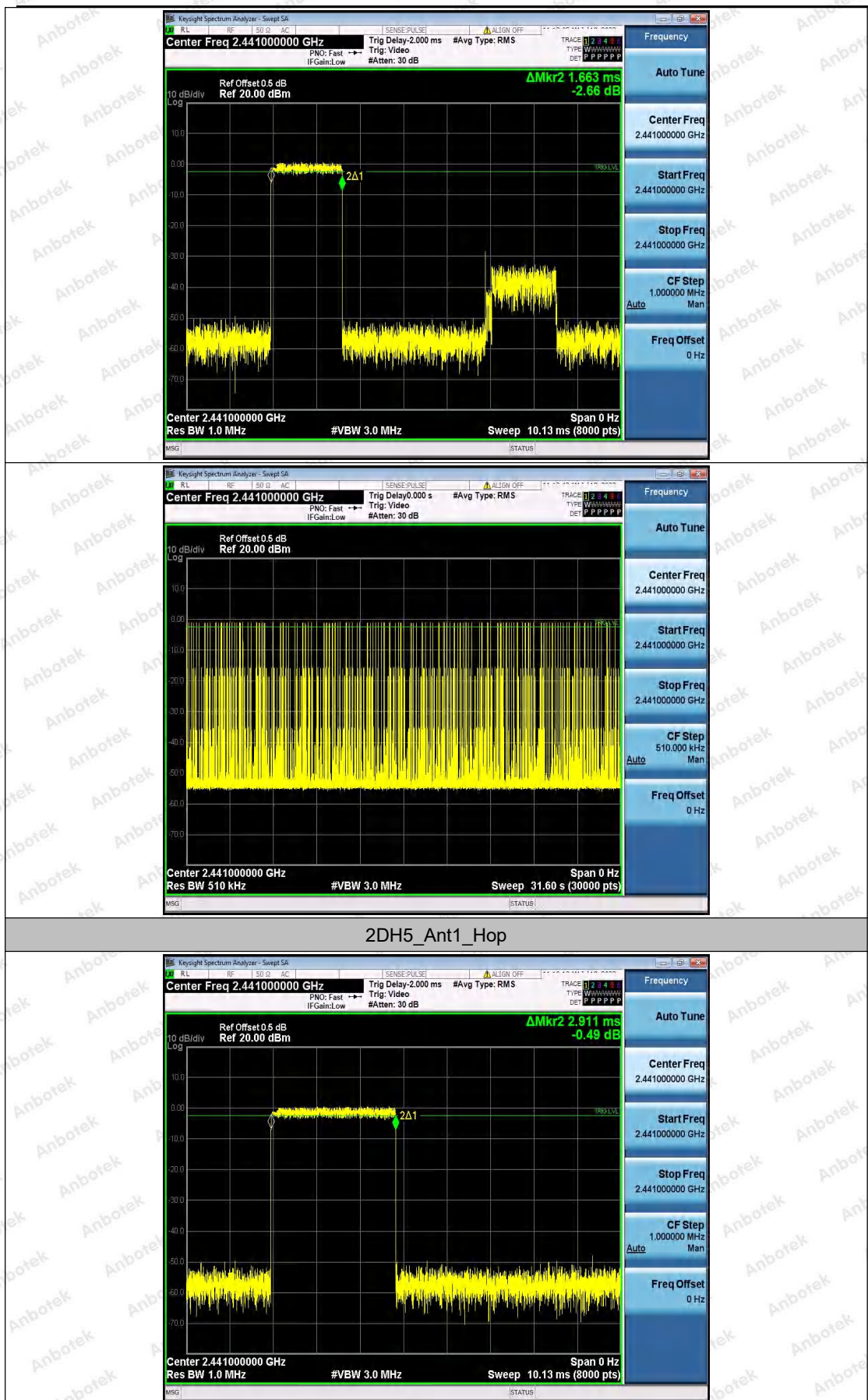


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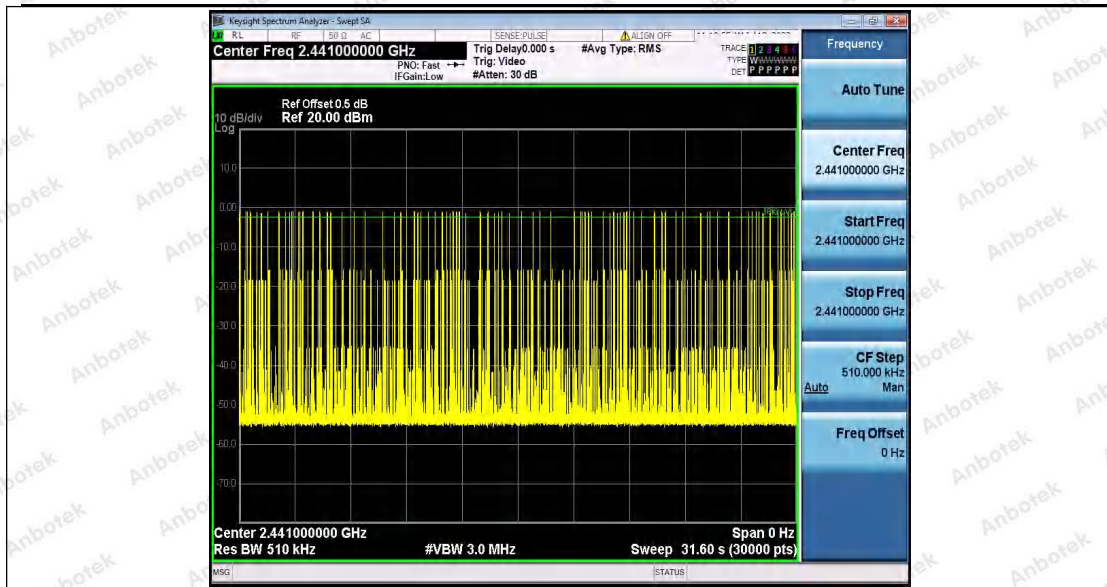


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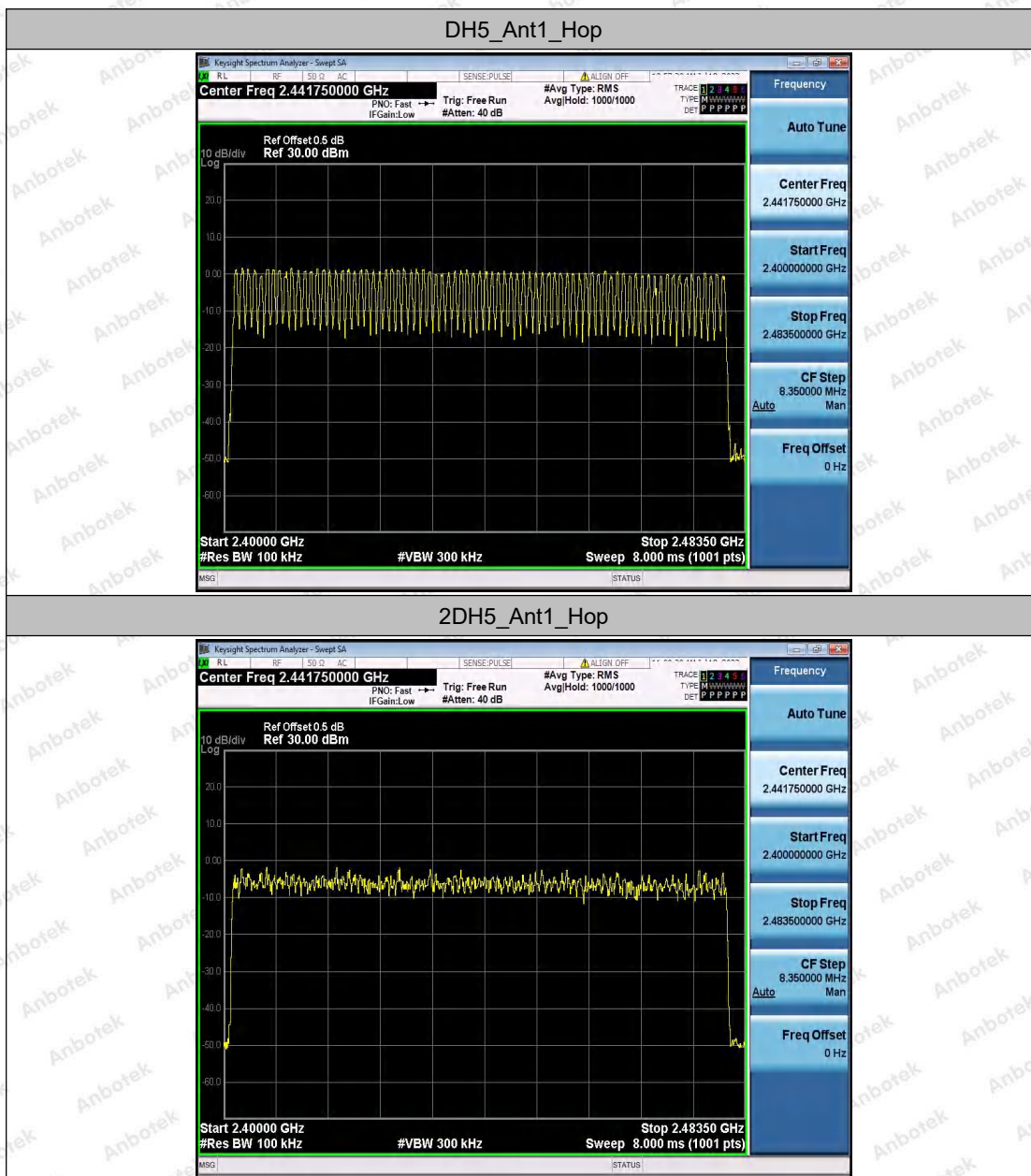
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Appendix F: Number of hopping channels

Test Result

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

Test Graphs



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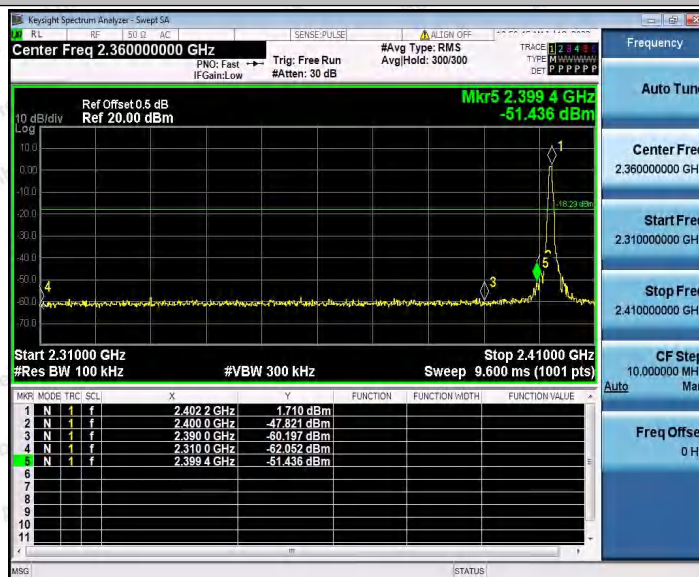
Appendix G: Band edge measurements

Test Result

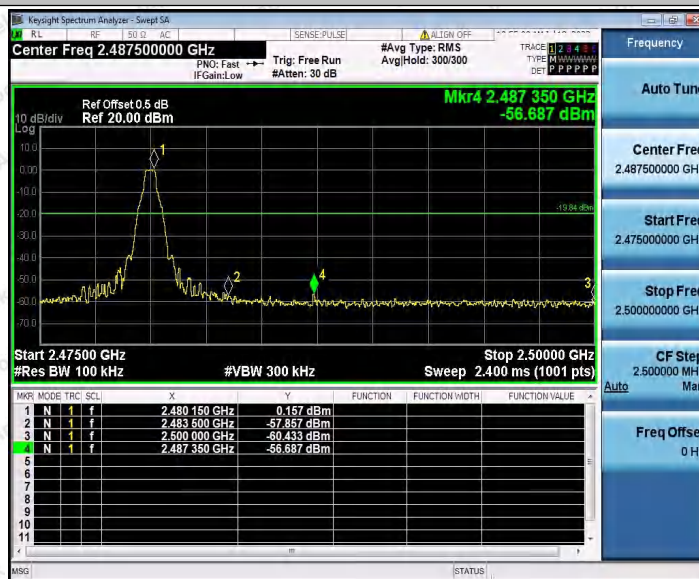
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	1.71	-51.44	≤-18.29	PASS
		High	2480	0.16	-56.69	≤-19.84	PASS
		Low	Hop	1.67	-58.03	≤-18.33	PASS
		High	Hop	0.42	-59.1	≤-19.58	PASS
2DH5	Ant1	Low	2402	-1.33	-49	≤-21.33	PASS
		High	2480	-3.05	-57.72	≤-23.05	PASS
		Low	Hop	-1.49	-57.63	≤-21.49	PASS
		High	Hop	-3.10	-60.04	≤-23.1	PASS

Test Graphs

DH5_Ant1_Low_2402



DH5_Ant1_High_2480



DH5_Ant1_Low_Hop

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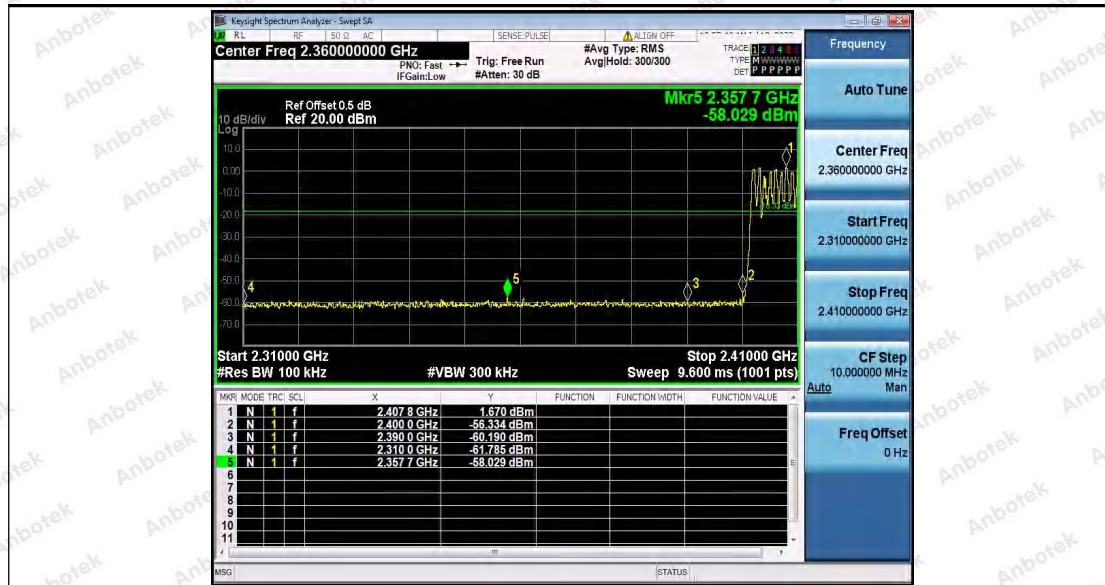
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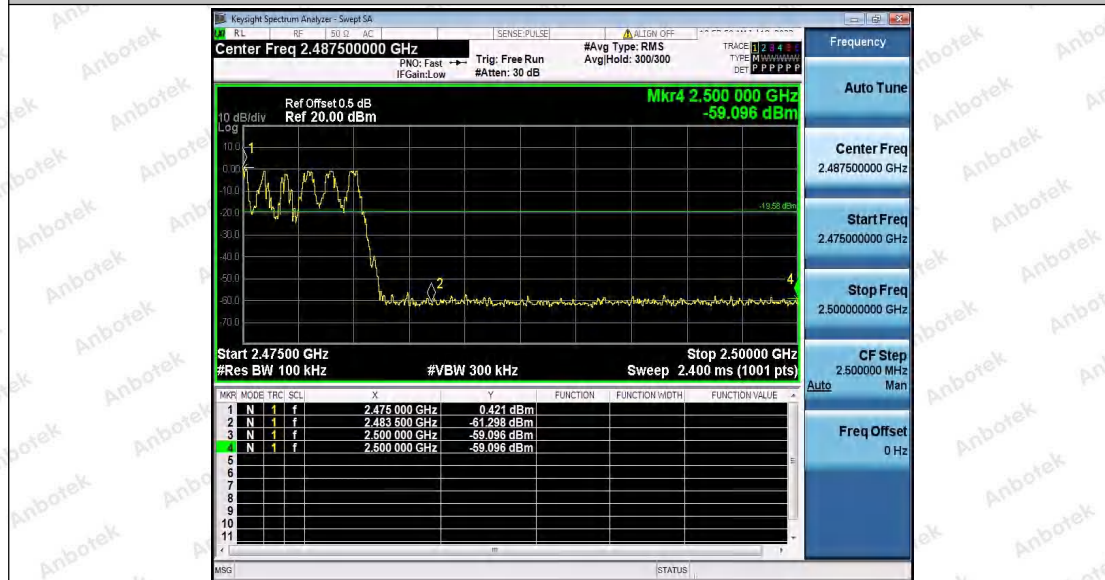
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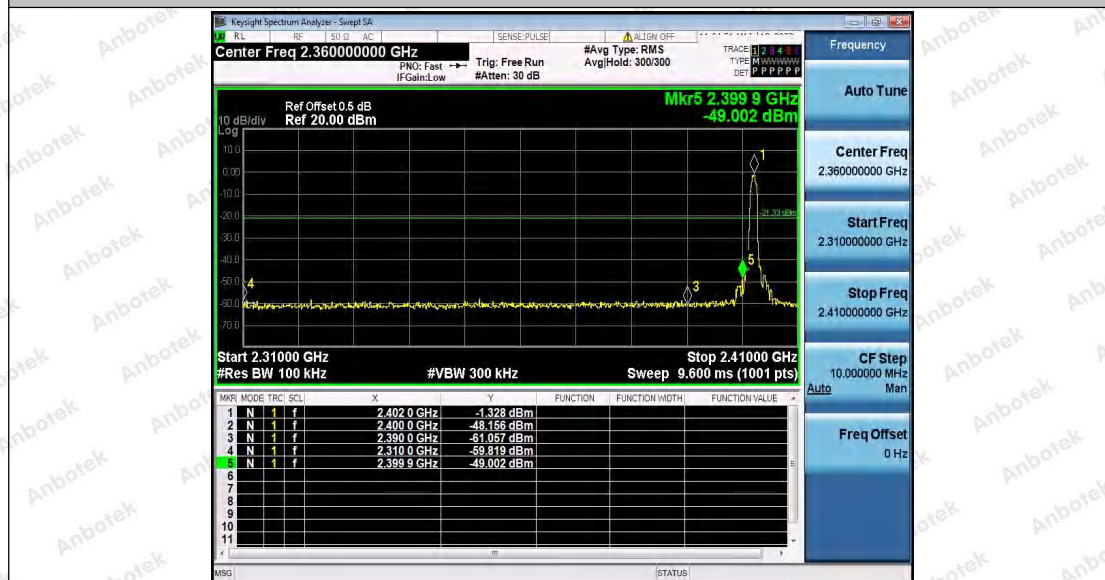
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DH5_Ant1_High_Hop



2DH5_Ant1_Low_2402



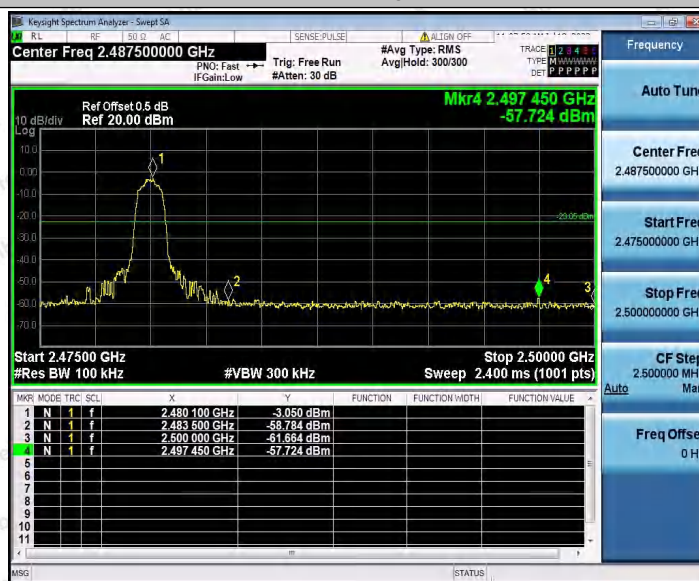
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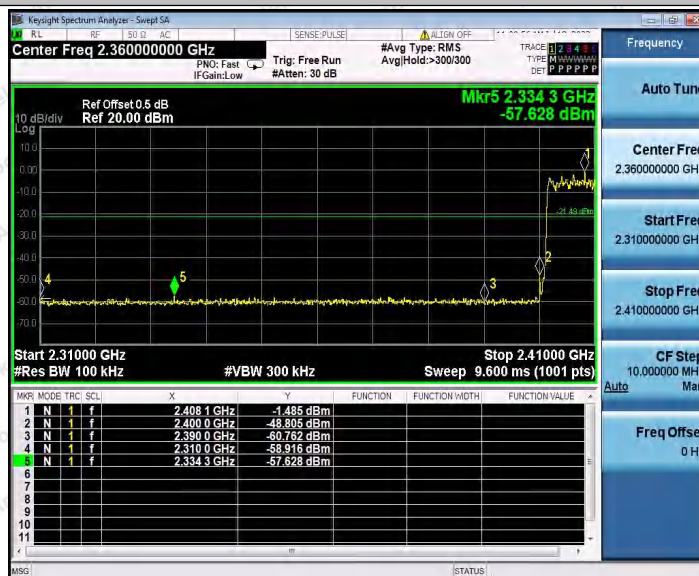
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2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop



2DH5_Ant1_High_Hop

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Appendix H: Conducted Spurious Emission

Test Result

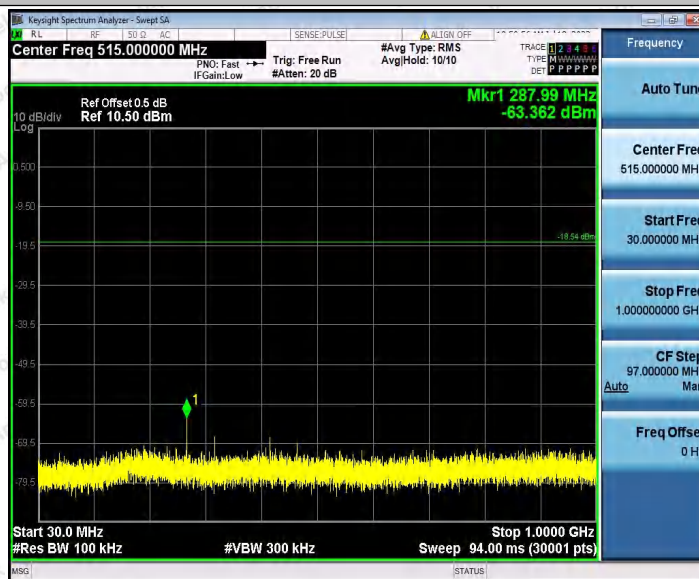
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	1.46	1.46	---	PASS
			30~1000	1.46	-63.36	≤-18.54	PASS
			1000~26500	1.46	-31.01	≤-18.54	PASS
		2441	Reference	0.95	0.95	---	PASS
			30~1000	0.95	-62.57	≤-19.05	PASS
			1000~26500	0.95	-32.55	≤-19.05	PASS
		2480	Reference	0.08	0.08	---	PASS
			30~1000	0.08	-62.56	≤-19.92	PASS
			1000~26500	0.08	-34.74	≤-19.92	PASS
2DH5	Ant1	2402	Reference	-1.55	-1.55	---	PASS
			30~1000	-1.55	-62.5	≤-21.55	PASS
			1000~26500	-1.55	-36.52	≤-21.55	PASS
		2441	Reference	-2.22	-2.22	---	PASS
			30~1000	-2.22	-63.35	≤-22.22	PASS
			1000~26500	-2.22	-39.97	≤-22.22	PASS
		2480	Reference	-3.30	-3.30	---	PASS
			30~1000	-3.30	-62.7	≤-23.3	PASS
			1000~26500	-3.30	-37.82	≤-23.3	PASS

Test Graphs

DH5_Ant1_2402_0~Reference



DH5_Ant1_2402_30~1000



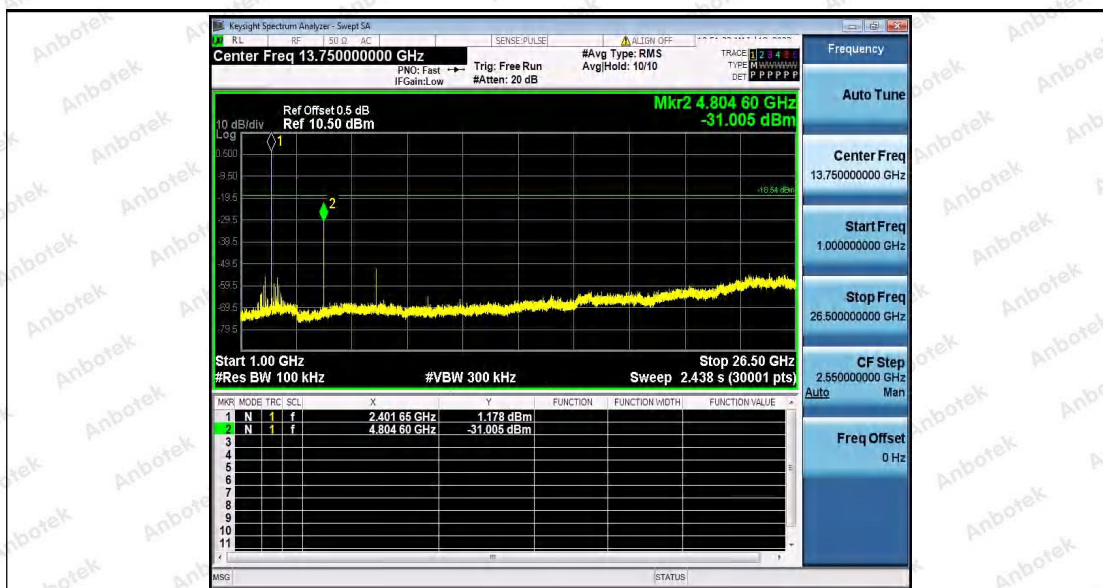
DH5_Ant1_2402_1000~26500

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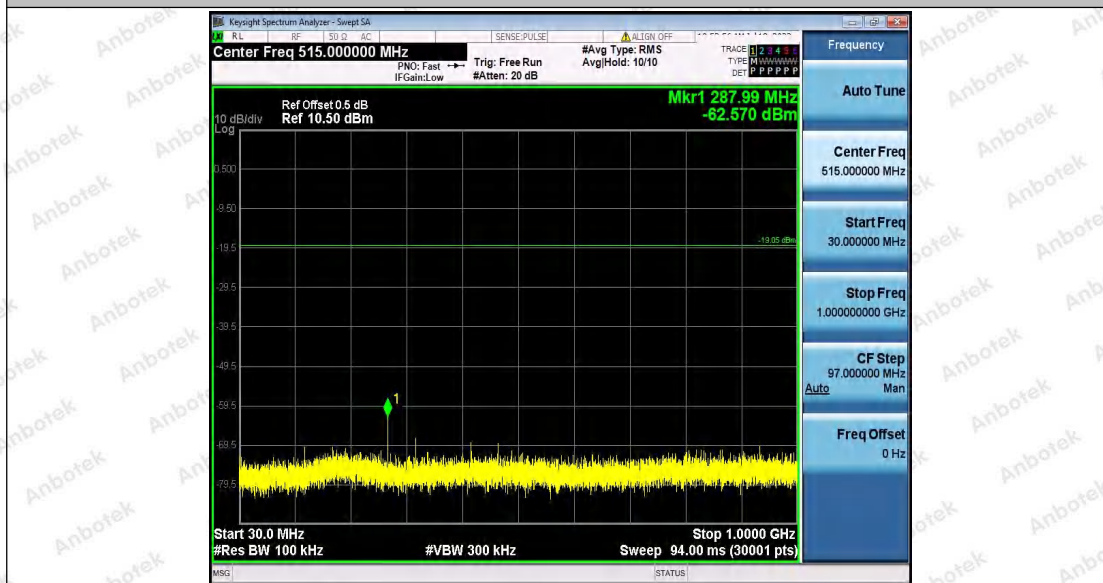
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DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



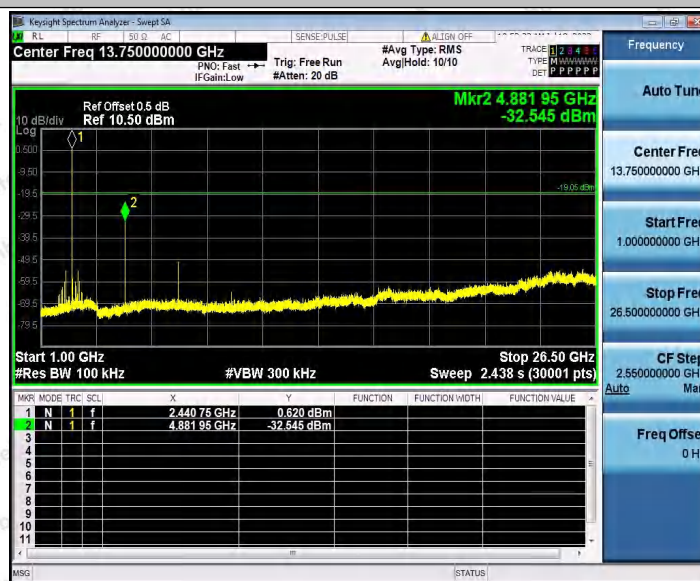
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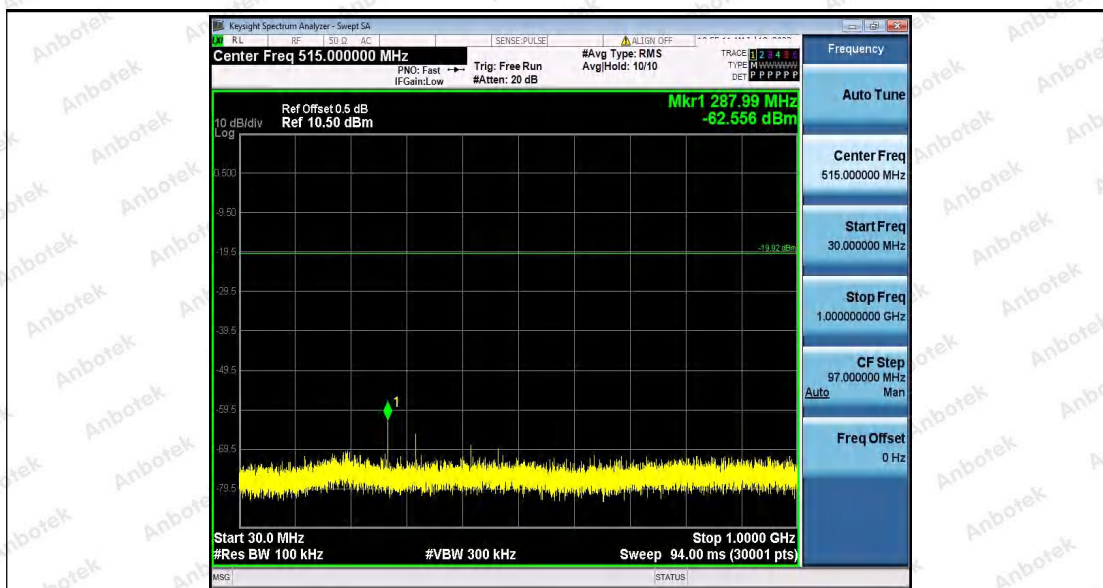
DH5_Ant1_2441_1000~26500



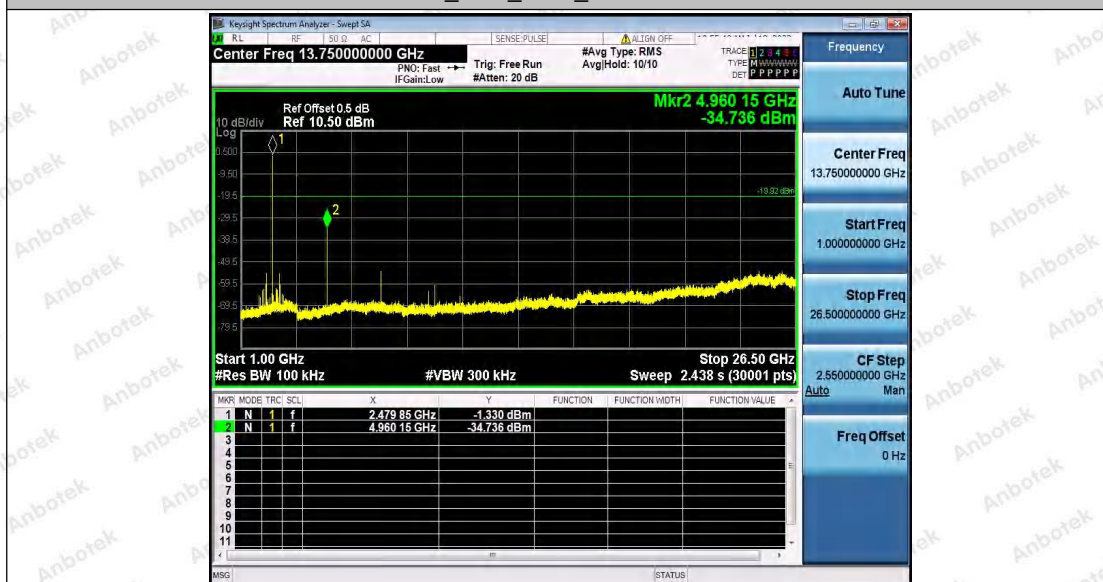
DH5_Ant1_2480_0~Reference



DH5_Ant1_2480_30~1000



DH5_Ant1_2480_1000~26500



2DH5_Ant1_2402_0~Reference

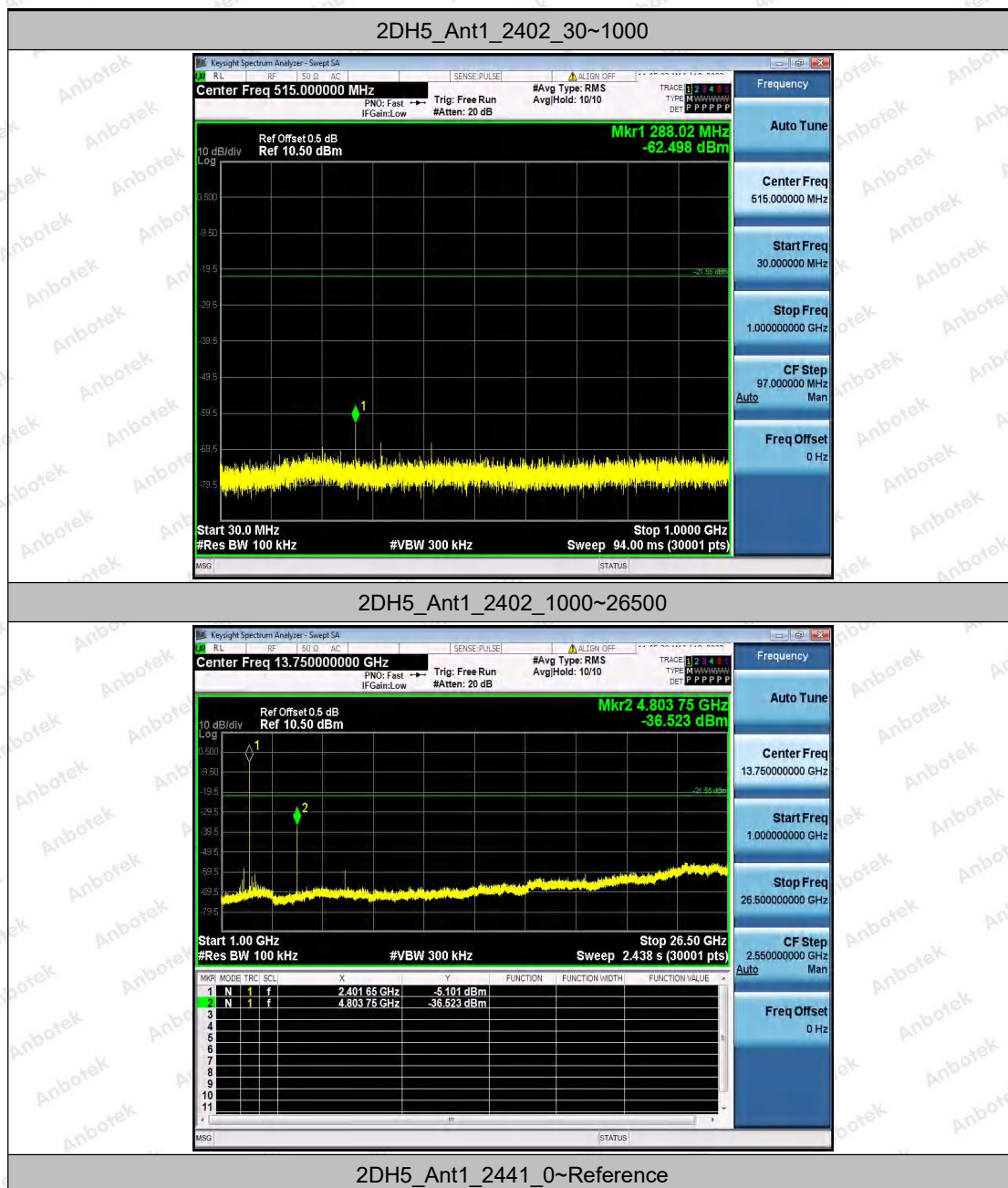


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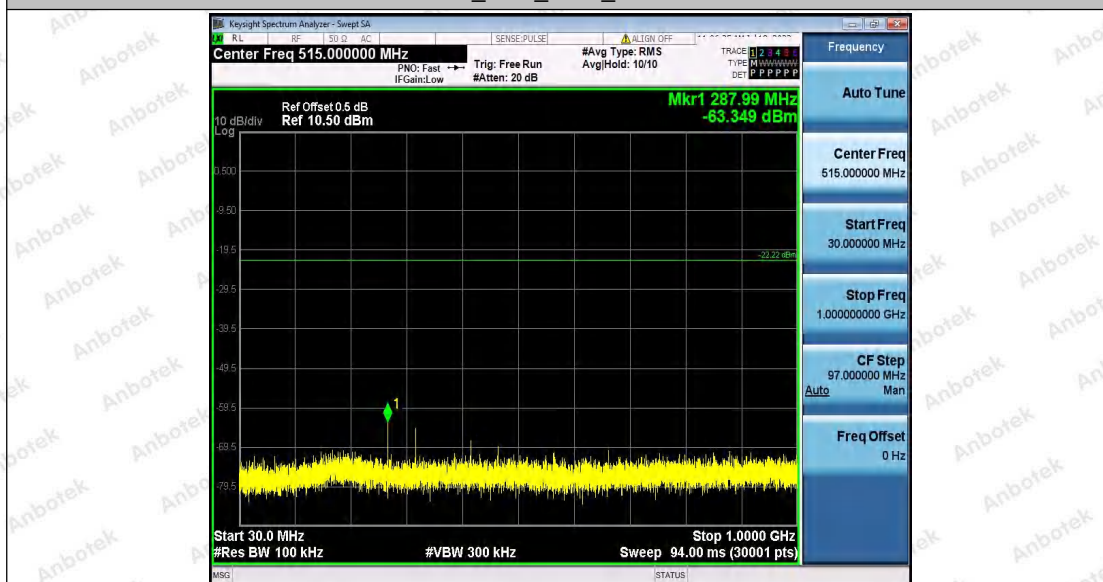
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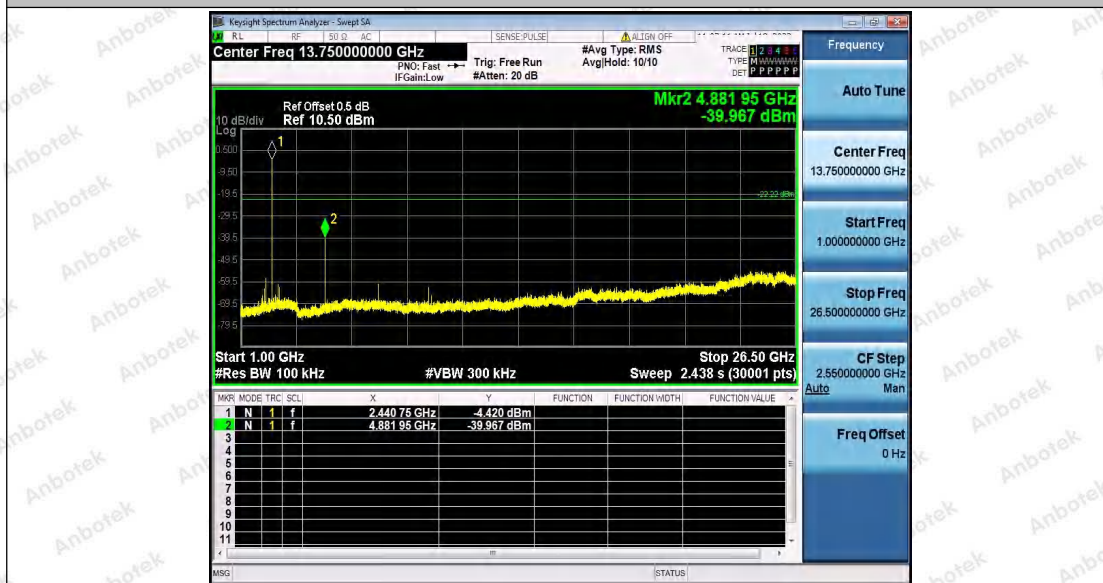
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2DH5_Ant1_2441_30~1000



2DH5_Ant1_2441_1000~26500



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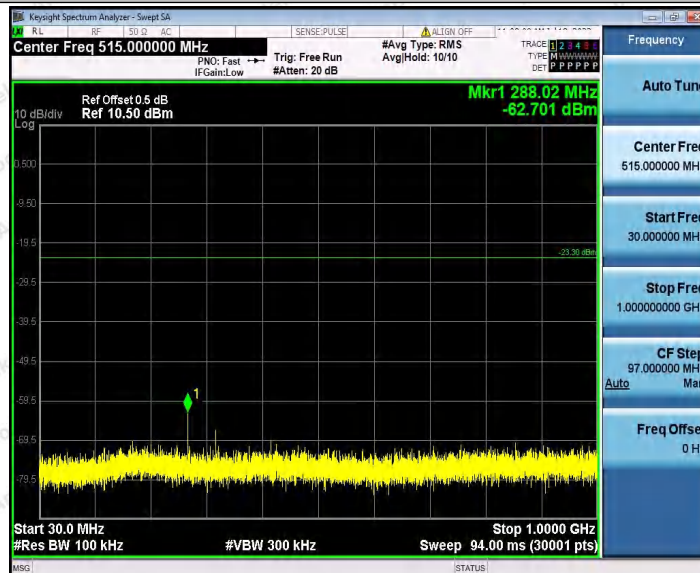
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2DH5_Ant1_2480_0~Reference



2DH5_Ant1_2480_30~1000



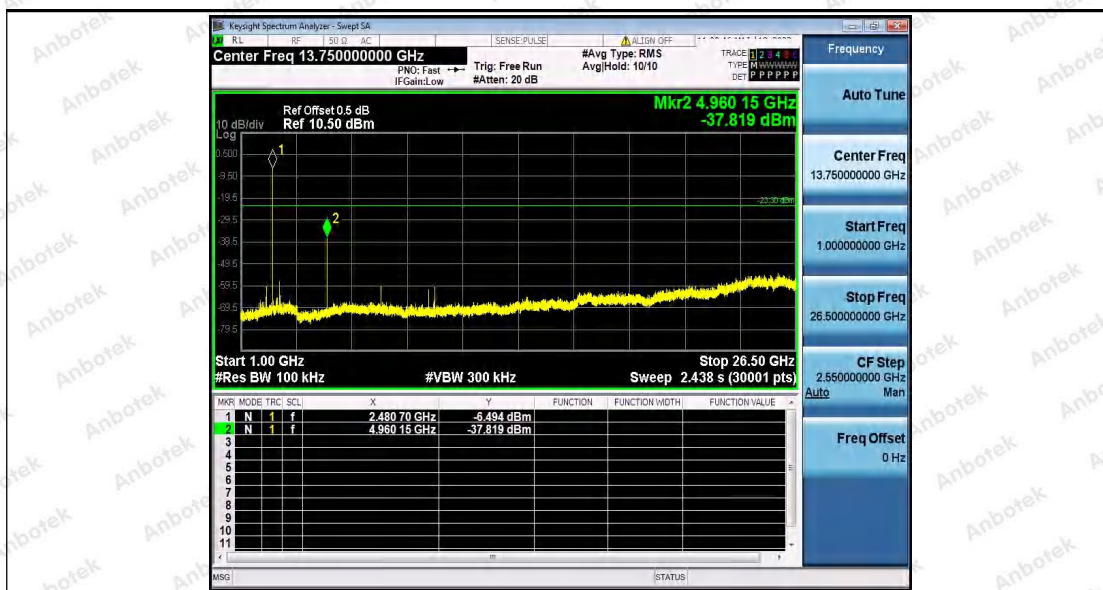
2DH5_Ant1_2480_1000~26500

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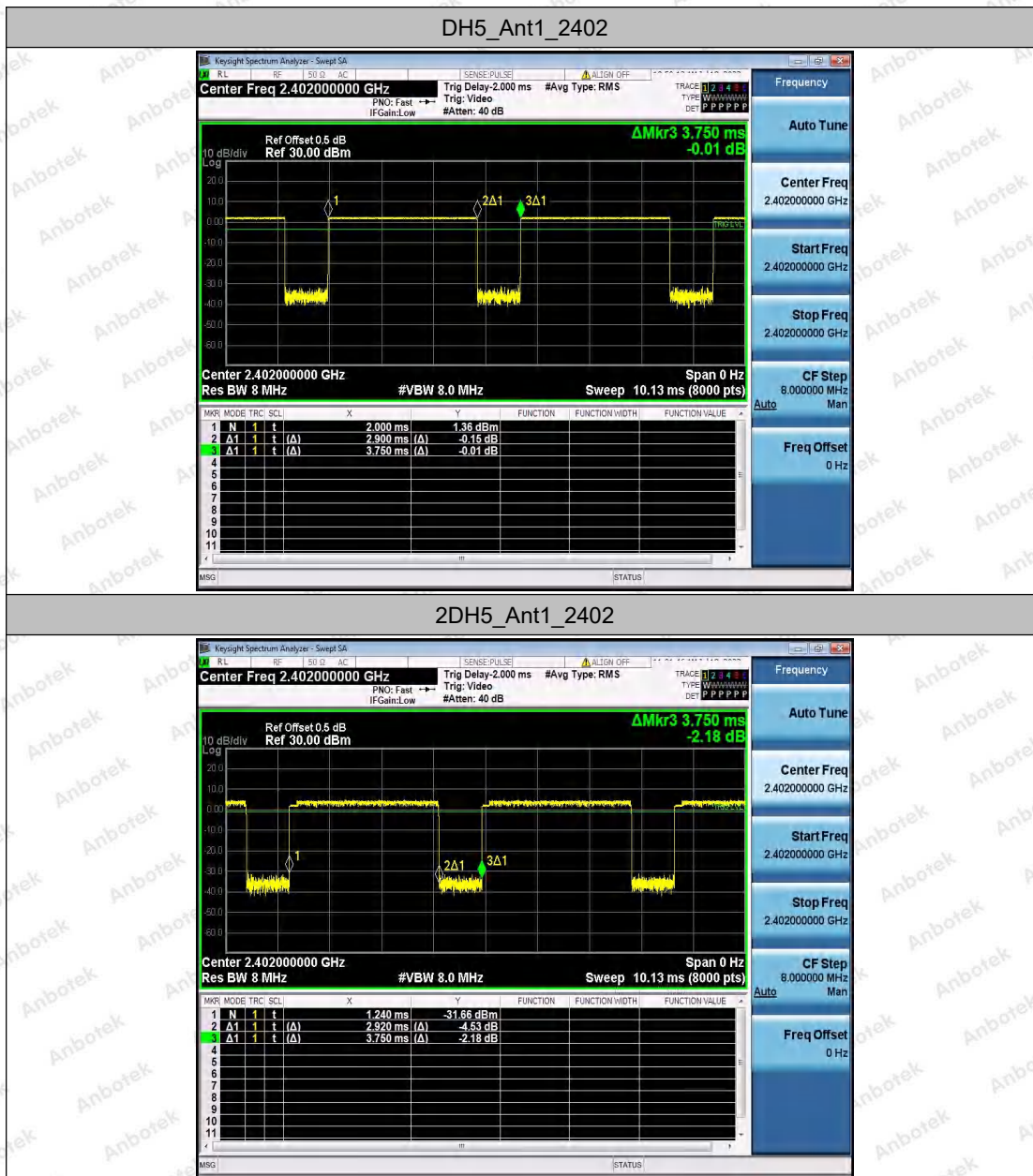
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Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
DH5	Ant1	2402	2.90	3.75	0.773 3	77.33	1.12	---	PASS
2DH5	Ant1	2402	2.92	3.75	0.778 7	77.87	1.09	---	PASS

Test Graphs



---End---