

Appendix Test Data

Report No.:	18220WC20161601	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:	23.5℃	Relative Humidity:	55.7 %
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	2401.583	2402.510	---	PASS
		2441	0.939	2440.586	2441.525	---	PASS
		2480	0.927	2479.586	2480.513	---	PASS
2DH5	Ant1	2402	1.335	2401.376	2402.711	---	PASS
		2441	1.287	2440.391	2441.678	---	PASS
		2480	1.341	2479.382	2480.723	---	PASS

Test Graphs

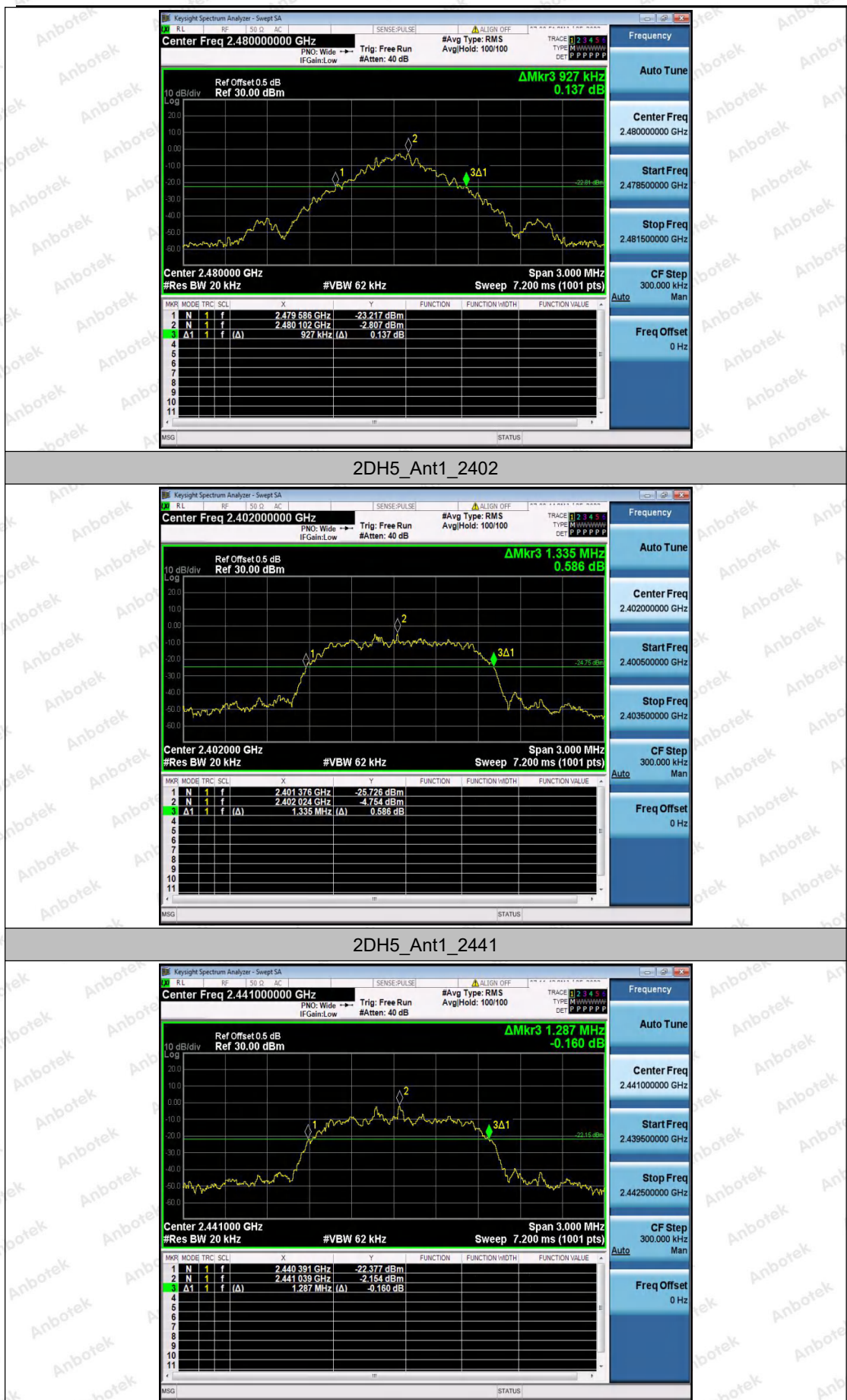
DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480

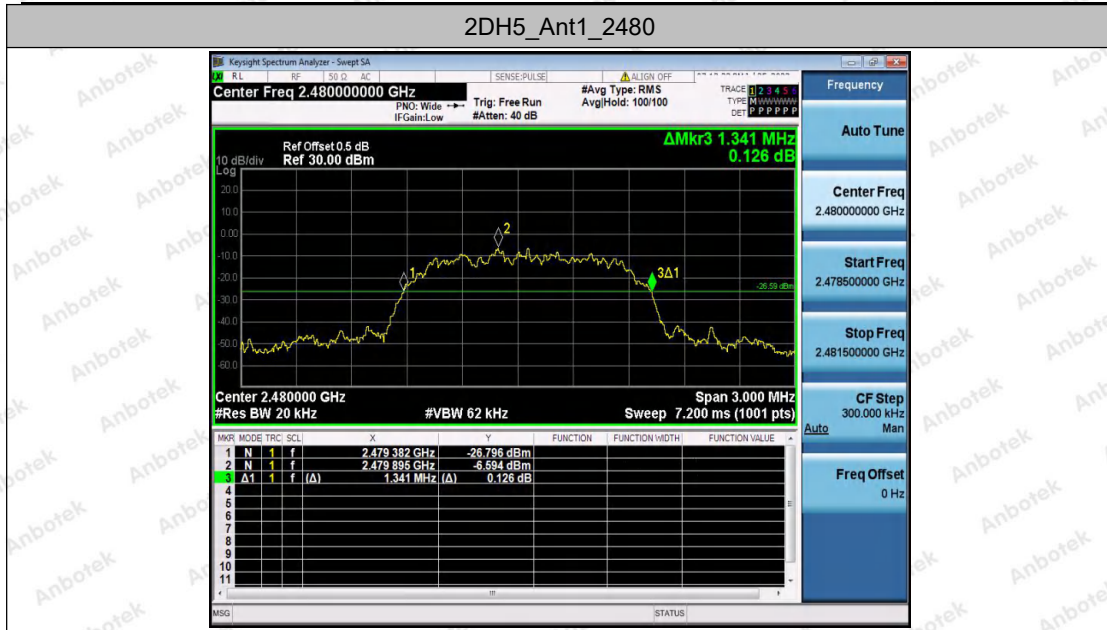


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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.85604	2401.61 2	2402.468	---	PASS
		2441	0.86937	2440.60 7	2441.476	---	PASS
		2480	0.85959	2479.61 1	2480.470	---	PASS
2DH5	Ant1	2402	1.1931	2401.44 9	2402.642	---	PASS
		2441	1.1898	2440.45 0	2441.640	---	PASS
		2480	1.1804	2479.45 4	2480.635	---	PASS

Test Graphs



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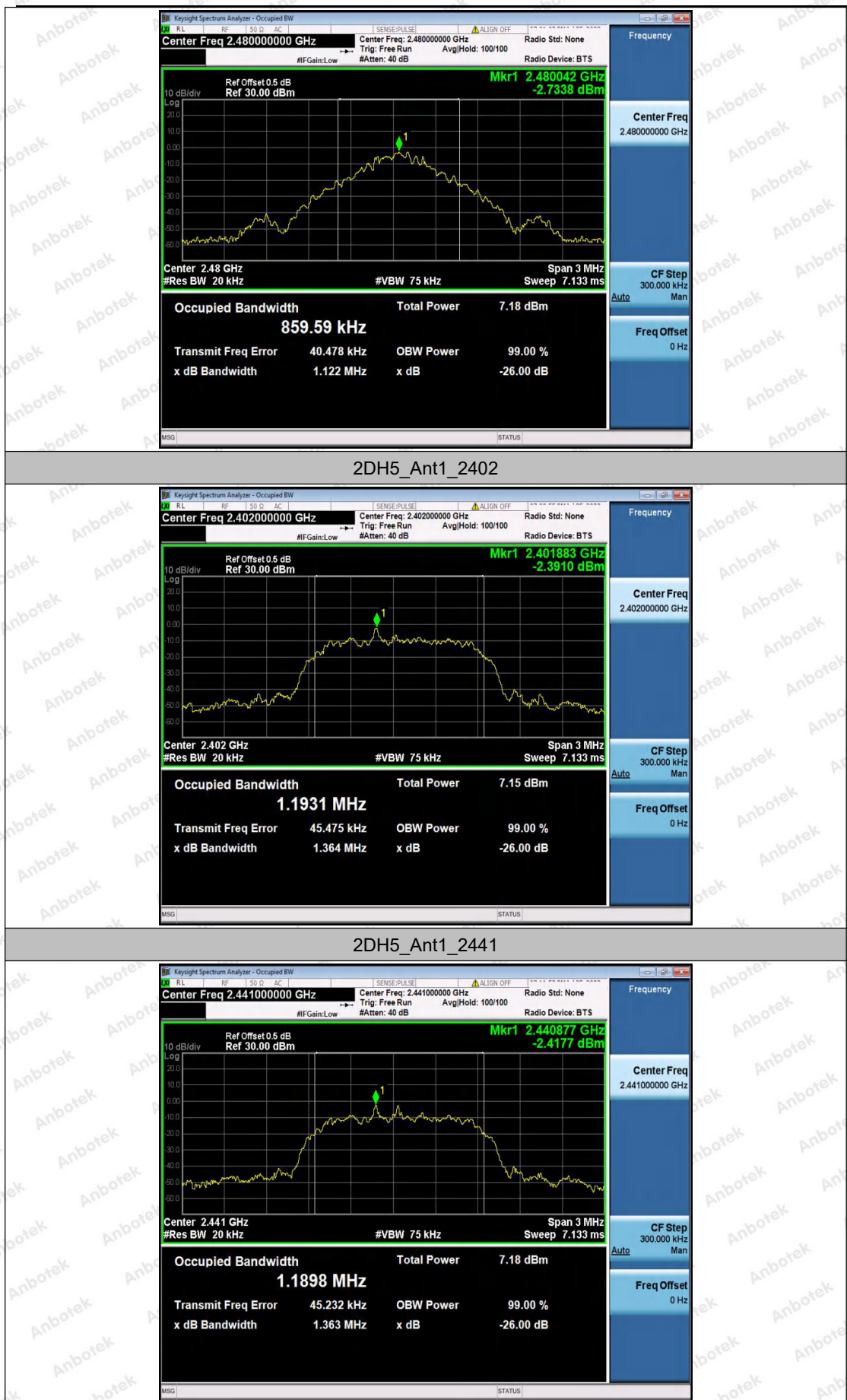
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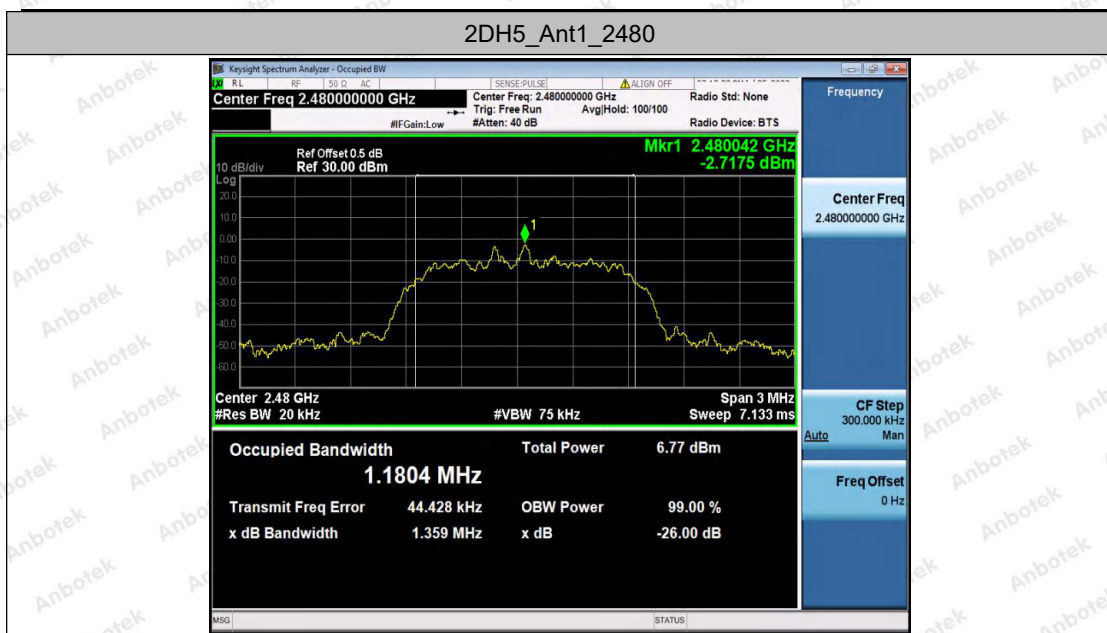


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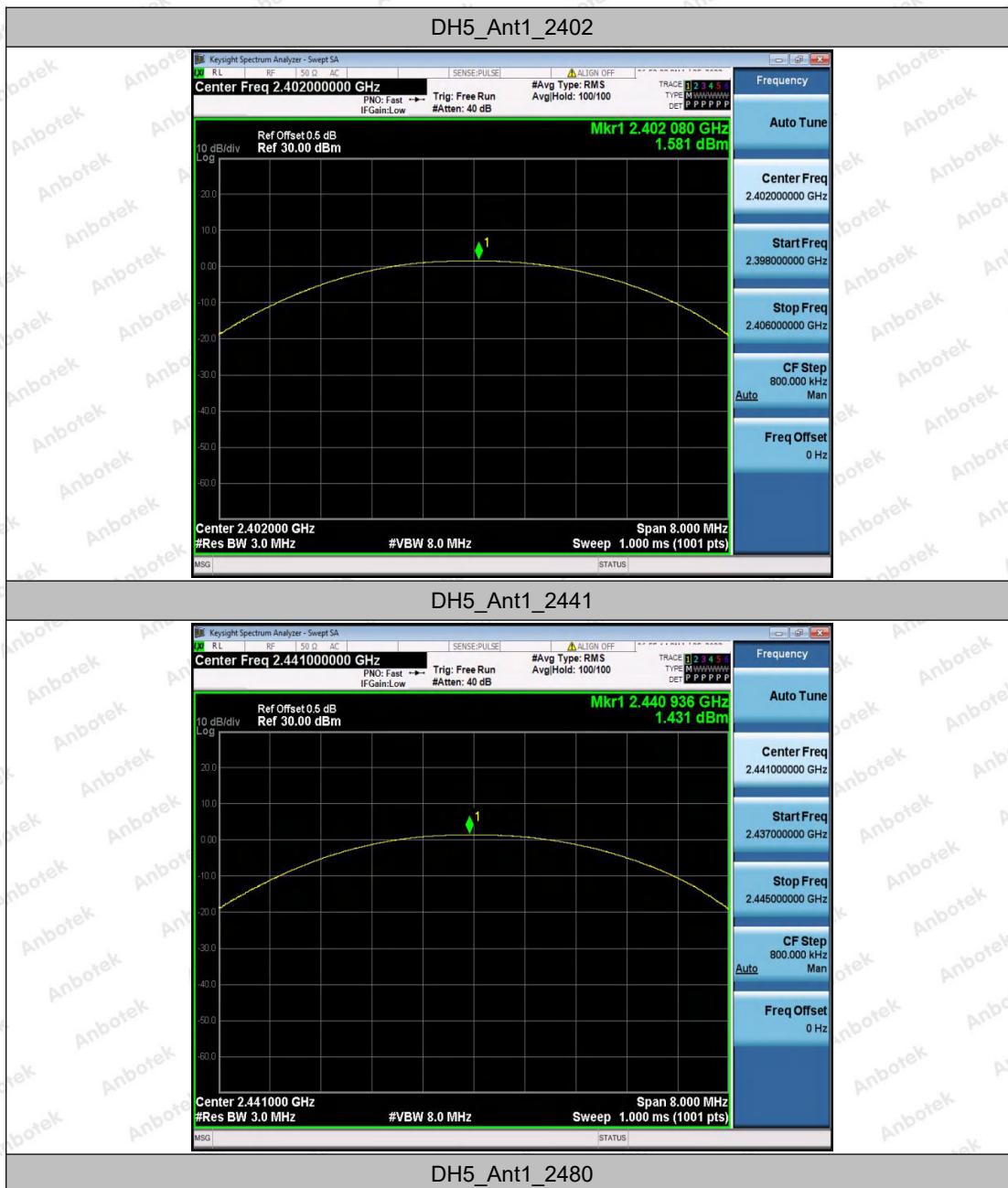
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	1.58	≤20.97	PASS
		2441	1.43	≤20.97	PASS
		2480	0.65	≤20.97	PASS
2DH5	Ant1	2402	2.43	≤20.97	PASS
		2441	2.24	≤20.97	PASS
		2480	1.41	≤20.97	PASS

Test Graphs

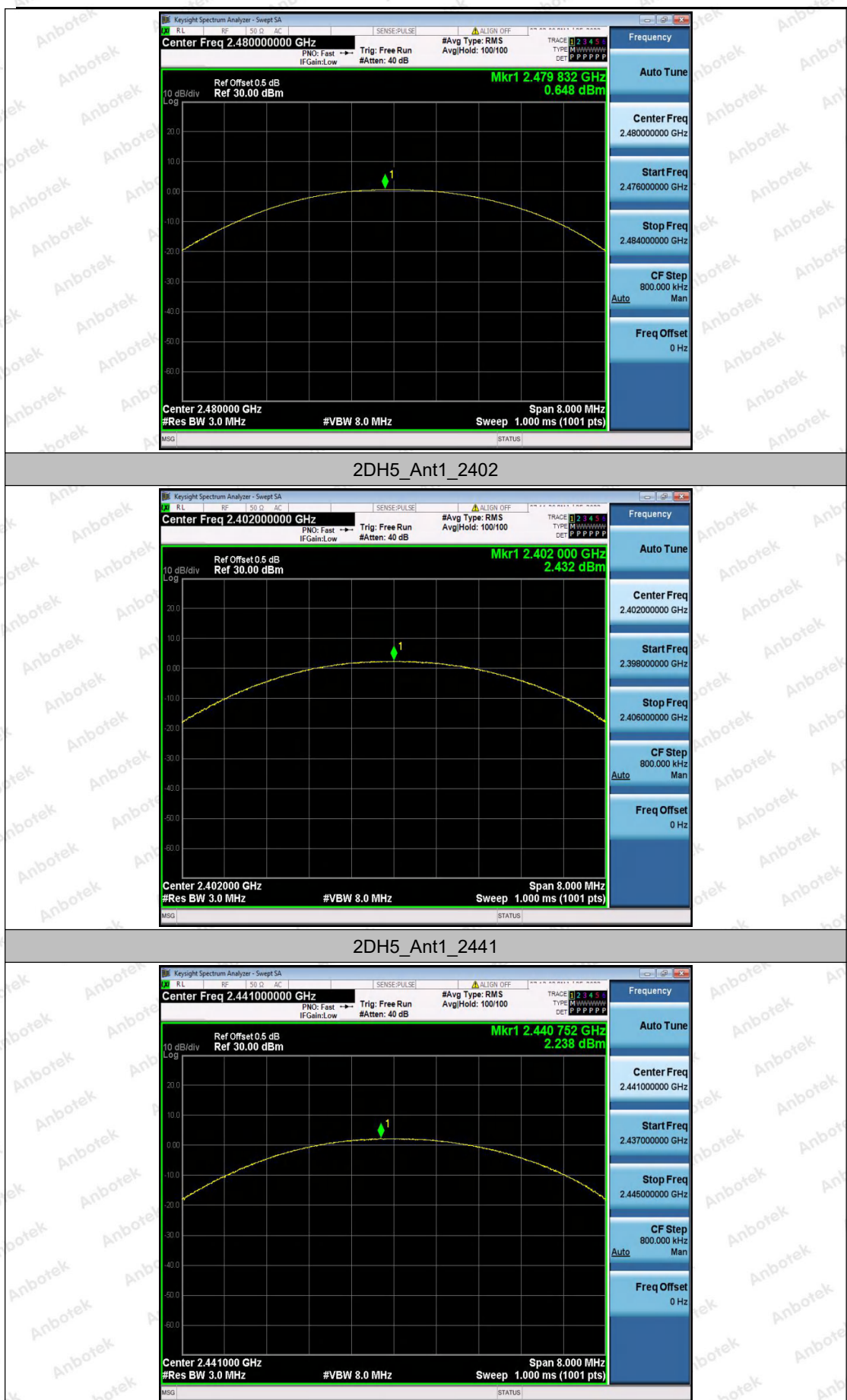


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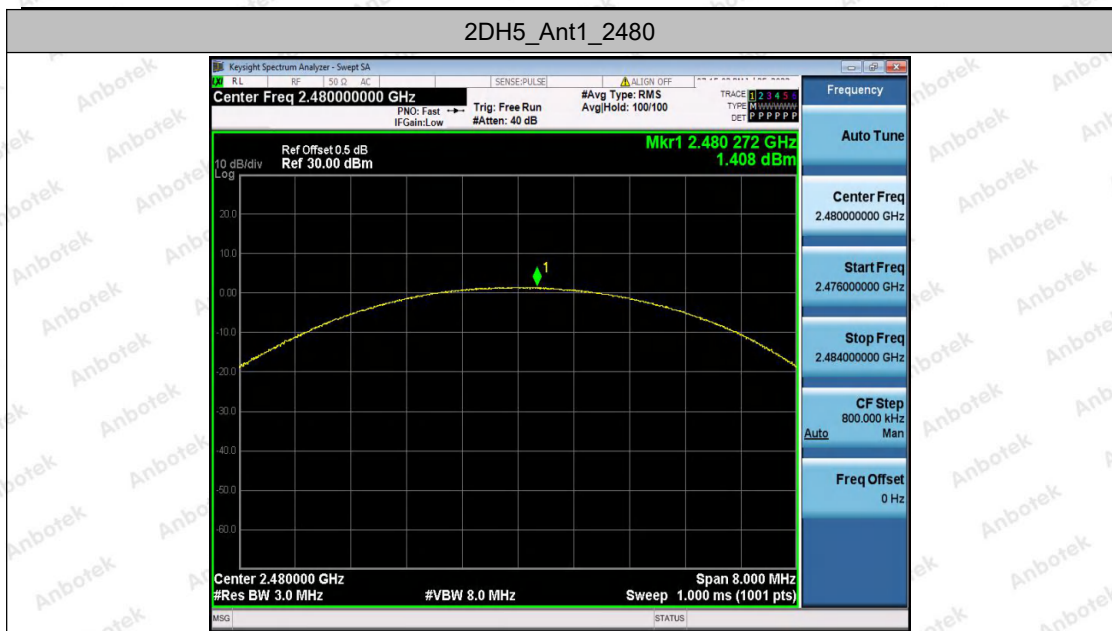


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Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.846	≥ 0.626	PASS
2DH5	Ant1	Hop	1.098	≥ 0.894	PASS

Test Graphs



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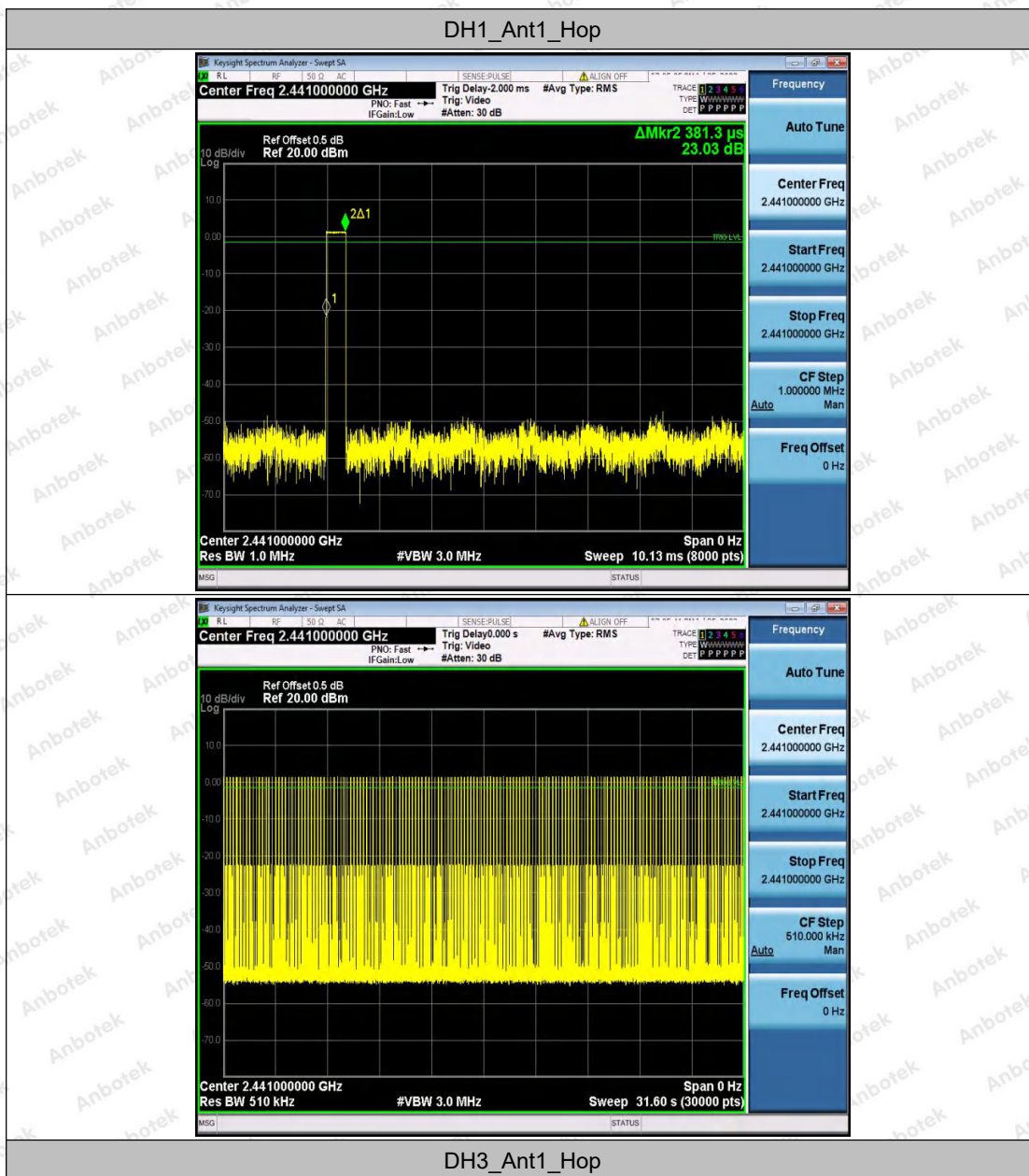
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Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.38	317	0.121	≤0.4	PASS
DH3	Ant1	Hop	1.64	161	0.263	≤0.4	PASS
DH5	Ant1	Hop	2.89	98	0.283	≤0.4	PASS
2DH1	Ant1	Hop	0.39	318	0.124	≤0.4	PASS
2DH3	Ant1	Hop	1.64	161	0.264	≤0.4	PASS
2DH5	Ant1	Hop	2.89	105	0.304	≤0.4	PASS

Test Graphs



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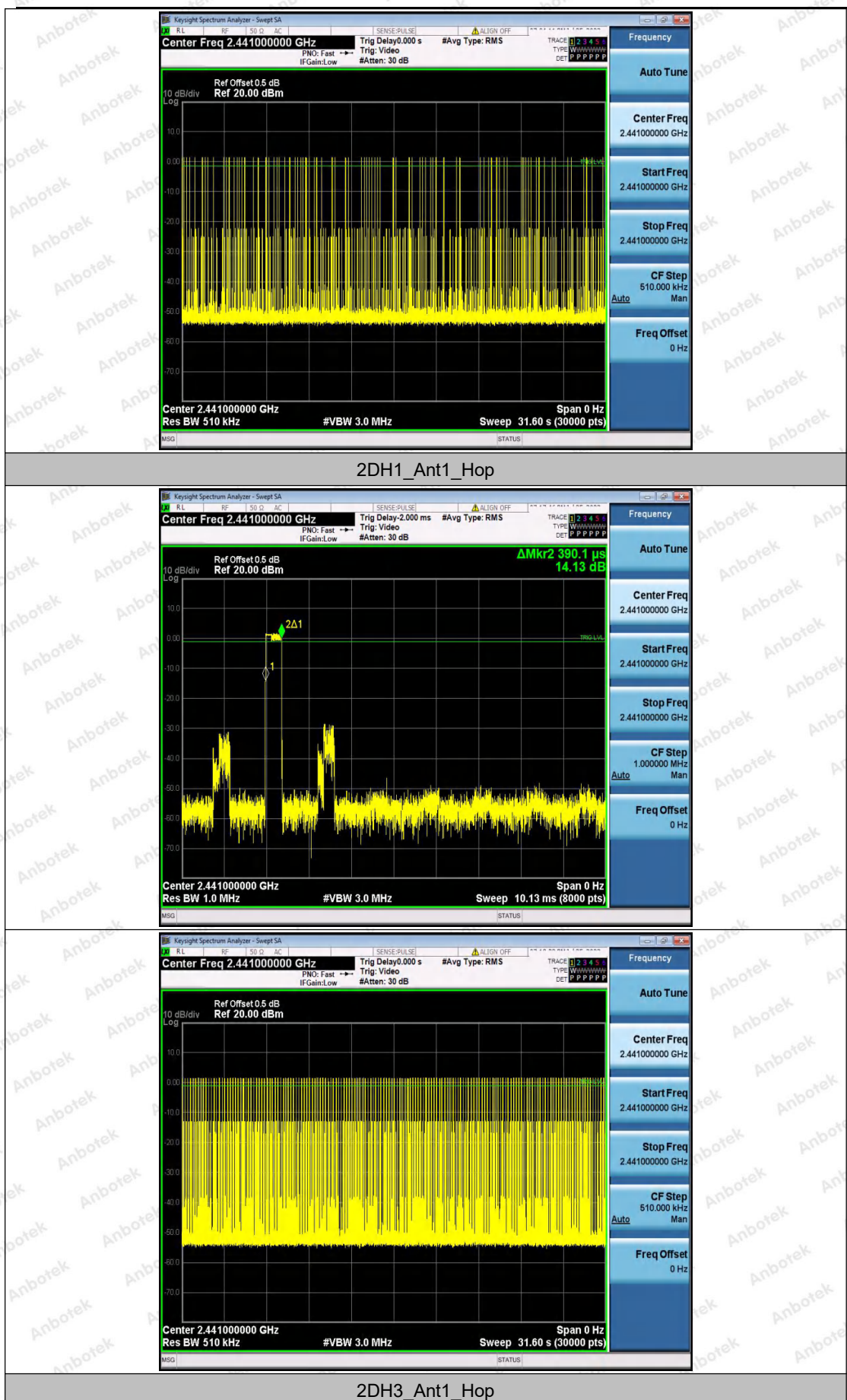
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DH5_Ant1_Hop

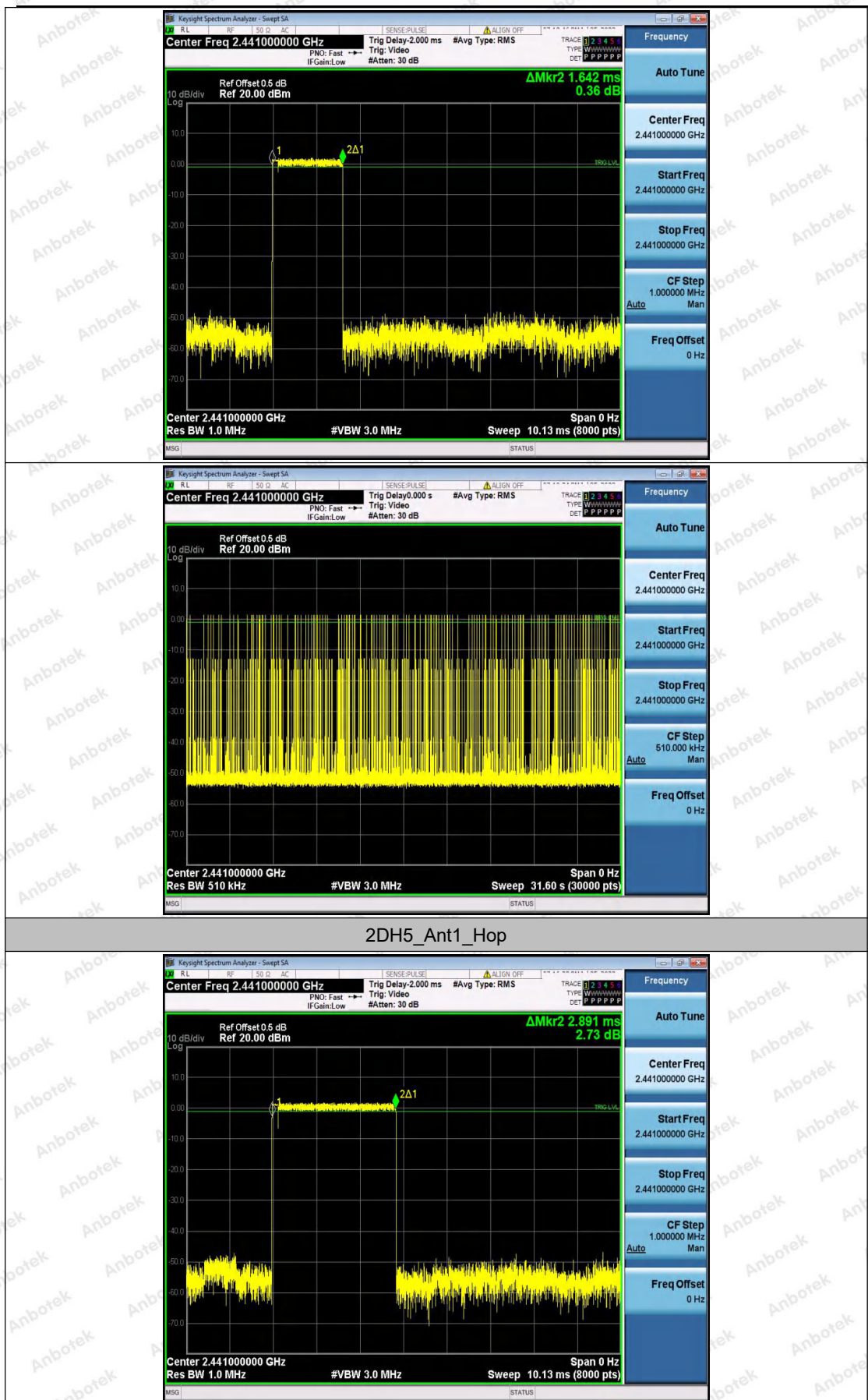


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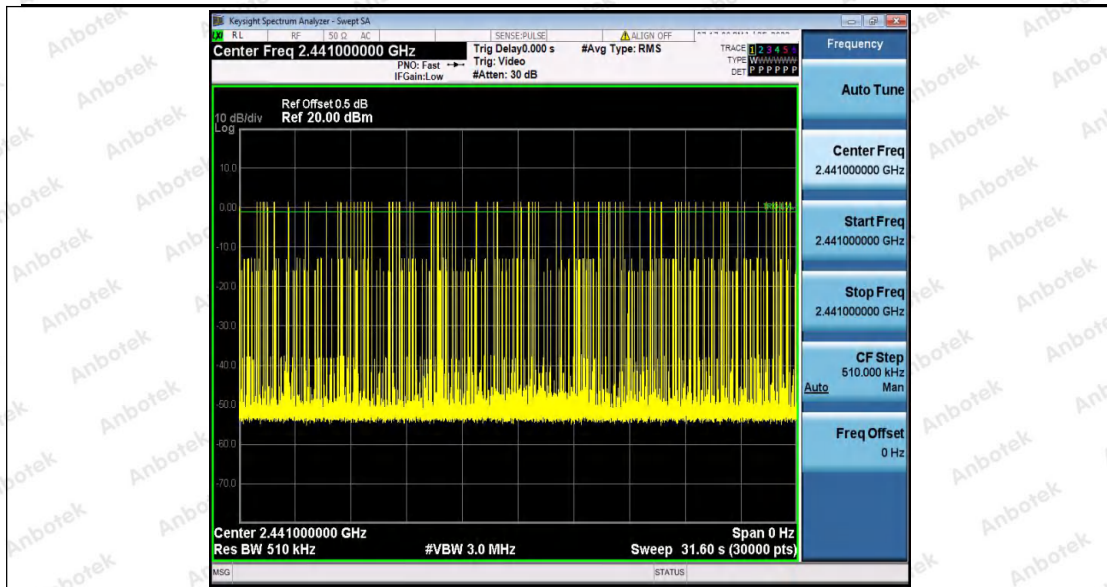
2DH5_Ant1_Hop

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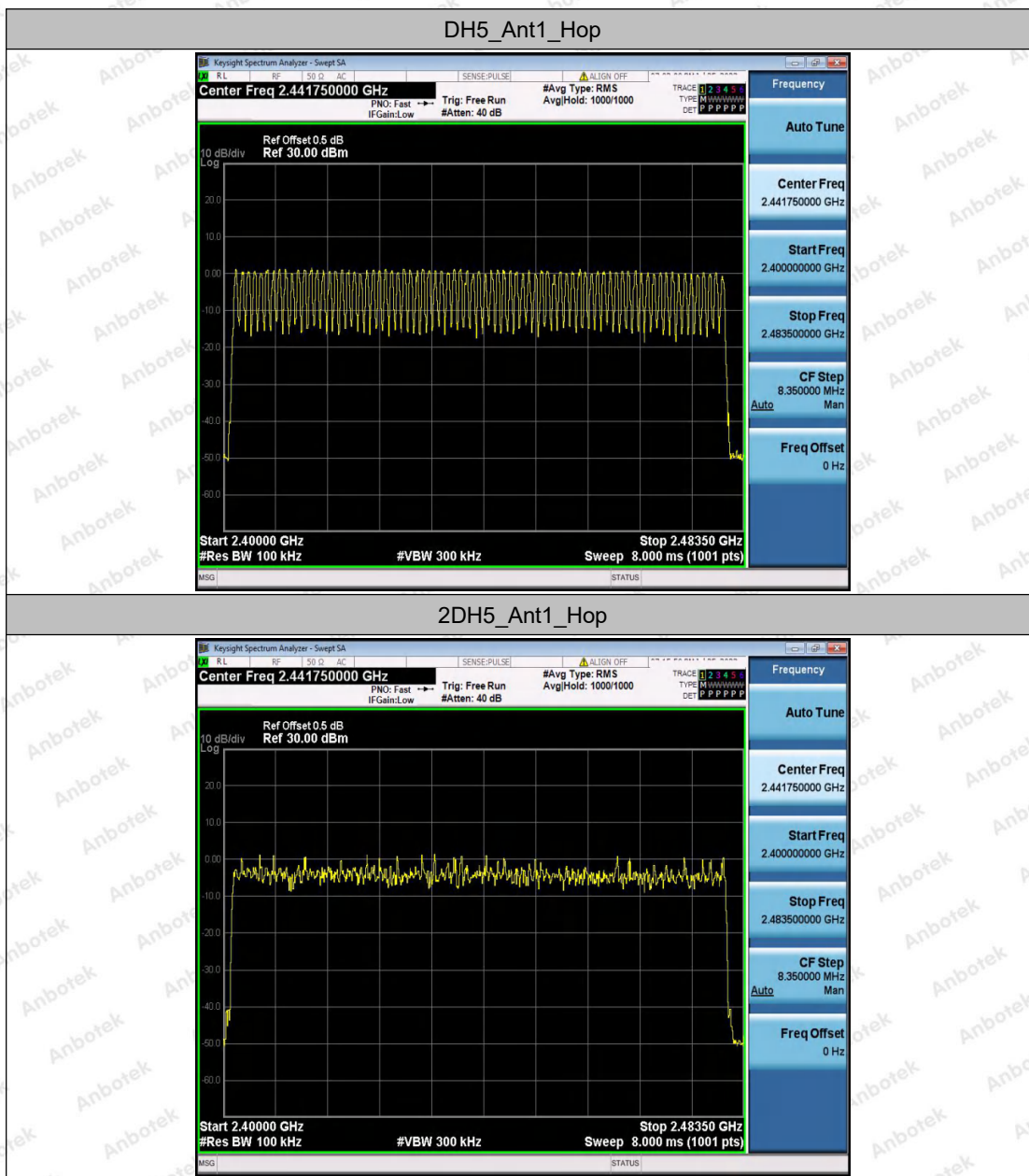
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Appendix F: Number of hopping channels

Test Result

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

Test Graphs



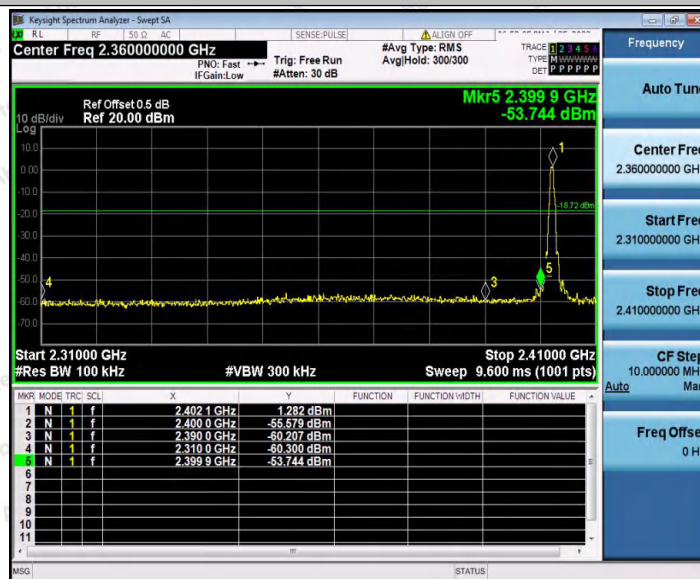
Appendix G: Band edge measurements

Test Result

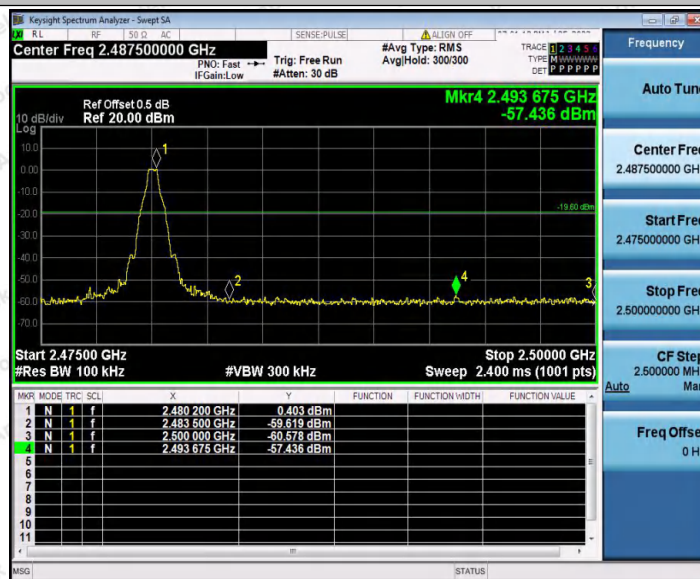
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	1.28	-53.74	≤-18.72	PASS
		High	2480	0.40	-57.44	≤-19.6	PASS
		Low	Hop	1.00	-52.5	≤-19	PASS
		High	Hop	0.09	-55.43	≤-19.91	PASS
2DH5	Ant1	Low	2402	1.40	-49.77	≤-18.6	PASS
		High	2480	0.50	-57.47	≤-19.5	PASS
		Low	Hop	-0.89	-54.74	≤-20.89	PASS
		High	Hop	-0.93	-58.85	≤-20.93	PASS

Test Graphs

DH5_Ant1_Low_2402



DH5_Ant1_High_2480



DH5_Ant1_Low_Hop

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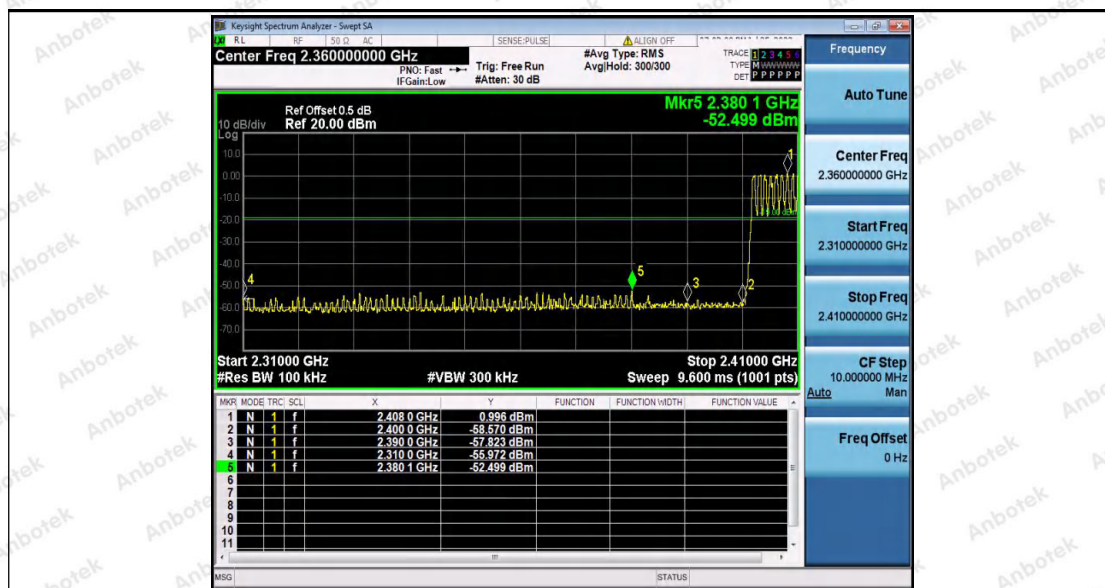
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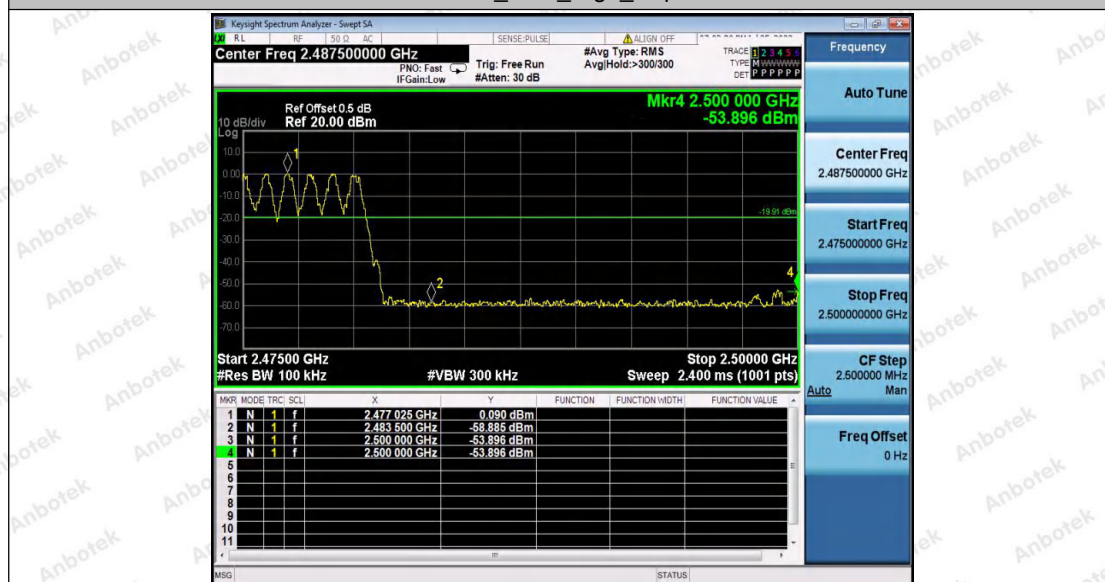
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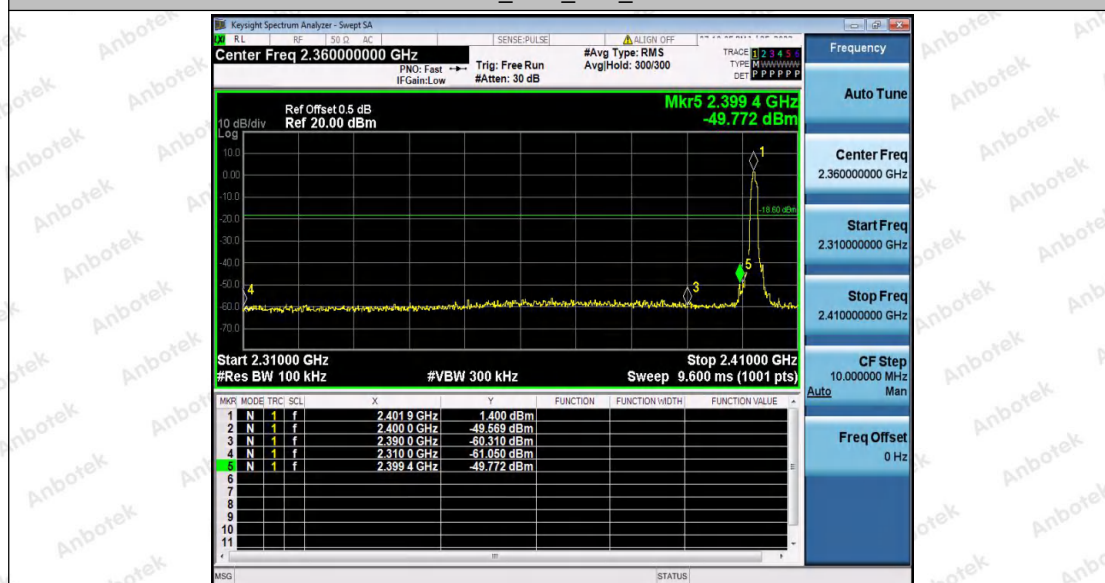
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DH5_Ant1_High_Hop



2DH5_Ant1_Low_2402



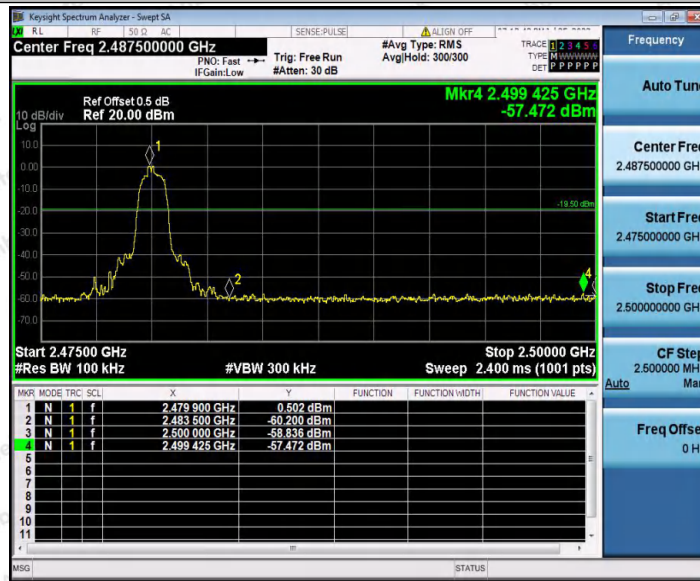
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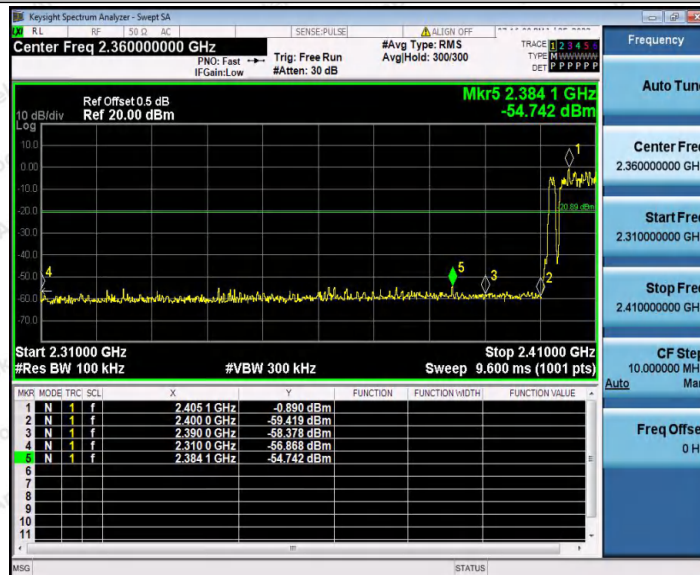
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2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop



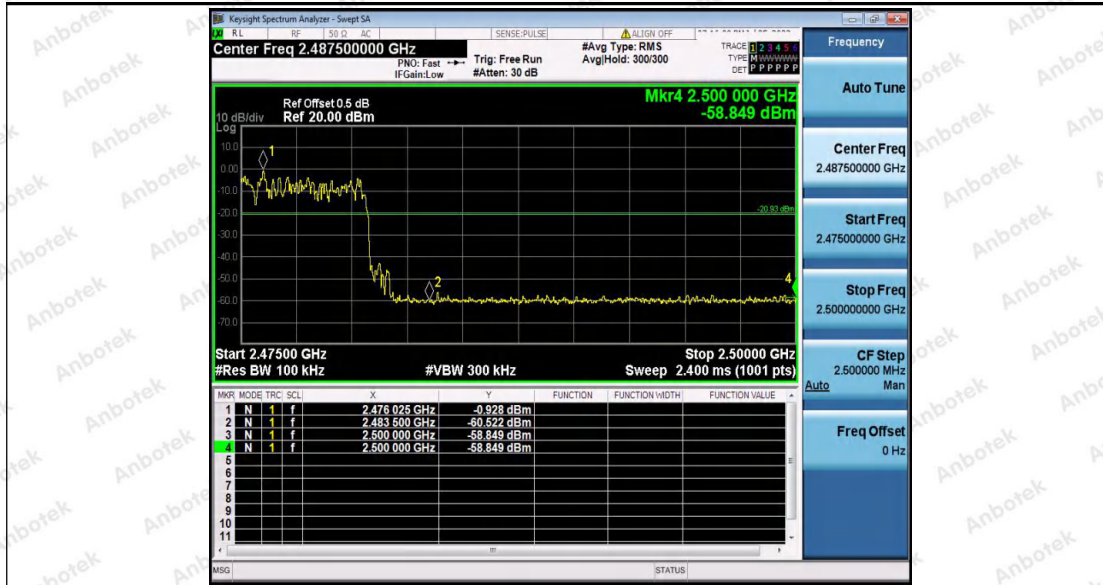
2DH5_Ant1_High_Hop

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Appendix H: Conducted Spurious Emission

Test Result

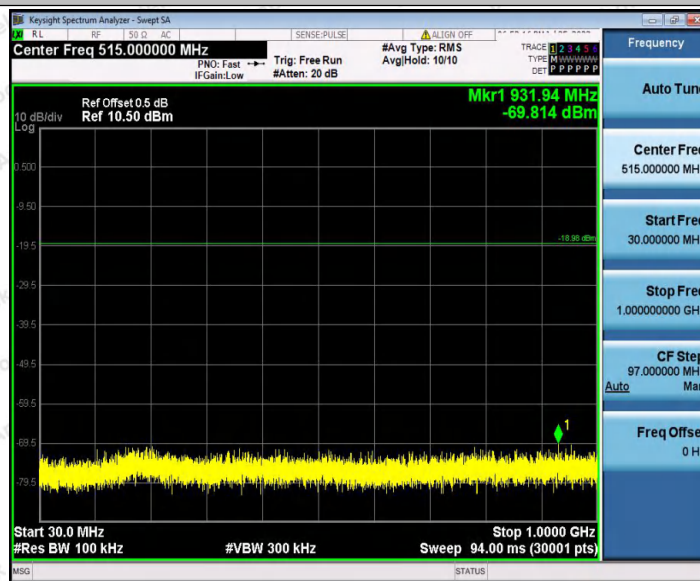
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	1.02	1.02	---	PASS
			30~1000	1.02	-69.81	≤-18.98	PASS
			1000~26500	1.02	-39.79	≤-18.98	PASS
		2441	Reference	1.09	1.09	---	PASS
			30~1000	1.09	-69.54	≤-18.91	PASS
			1000~26500	1.09	-38.92	≤-18.91	PASS
		2480	Reference	0.35	0.35	---	PASS
			30~1000	0.35	-69.12	≤-19.65	PASS
			1000~26500	0.35	-41.15	≤-19.65	PASS
2DH5	Ant1	2402	Reference	1.43	1.43	---	PASS
			30~1000	1.43	-66.98	≤-18.57	PASS
			1000~26500	1.43	-39.49	≤-18.57	PASS
		2441	Reference	1.15	1.15	---	PASS
			30~1000	1.15	-69.47	≤-18.85	PASS
			1000~26500	1.15	-38.91	≤-18.85	PASS
		2480	Reference	0.38	0.38	---	PASS
			30~1000	0.38	-69.83	≤-19.62	PASS
			1000~26500	0.38	-41.27	≤-19.62	PASS

Test Graphs

DH5_Ant1_2402_0~Reference



DH5_Ant1_2402_30~1000



DH5_Ant1_2402_1000~26500

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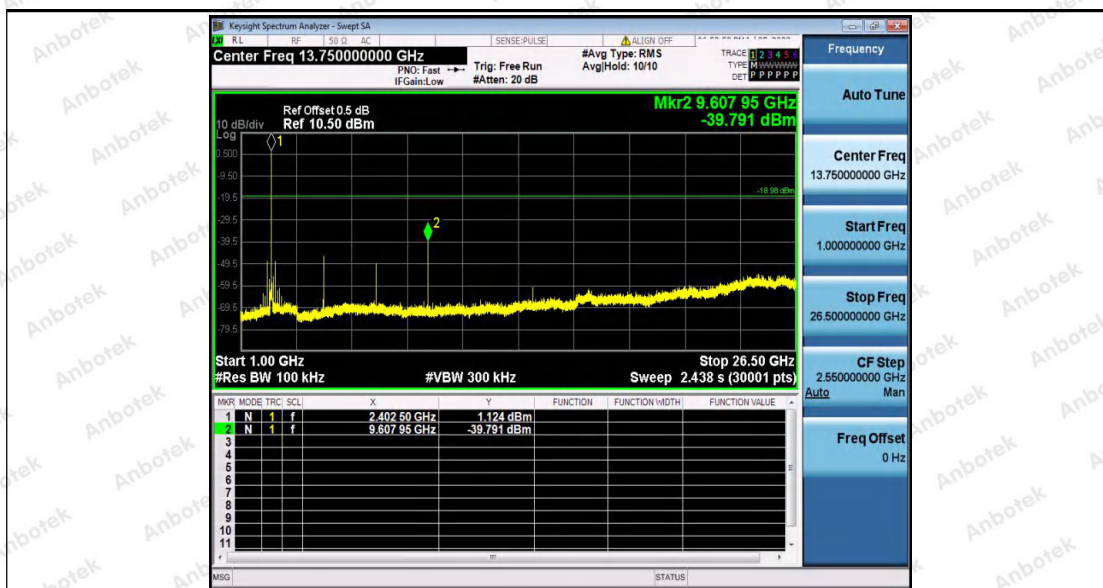
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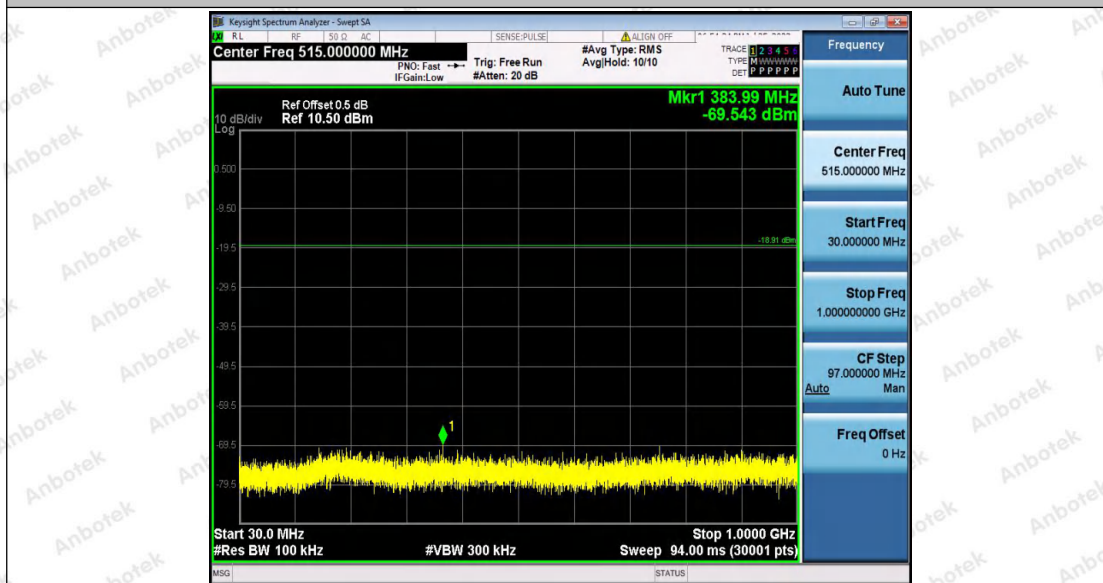
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DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



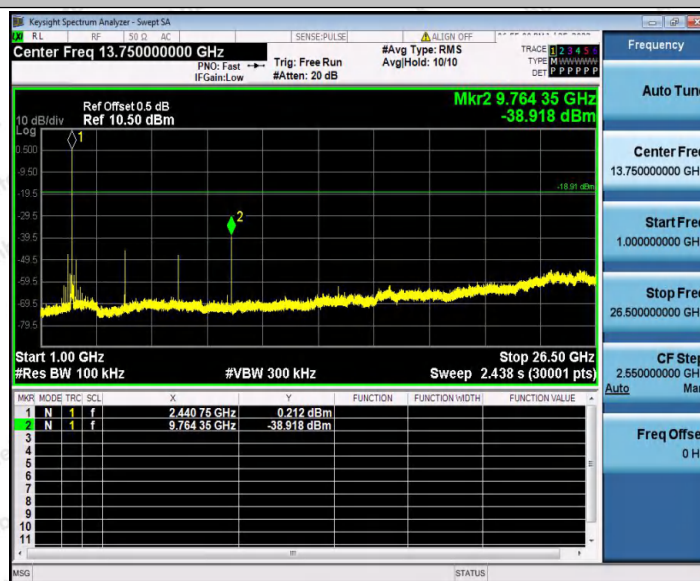
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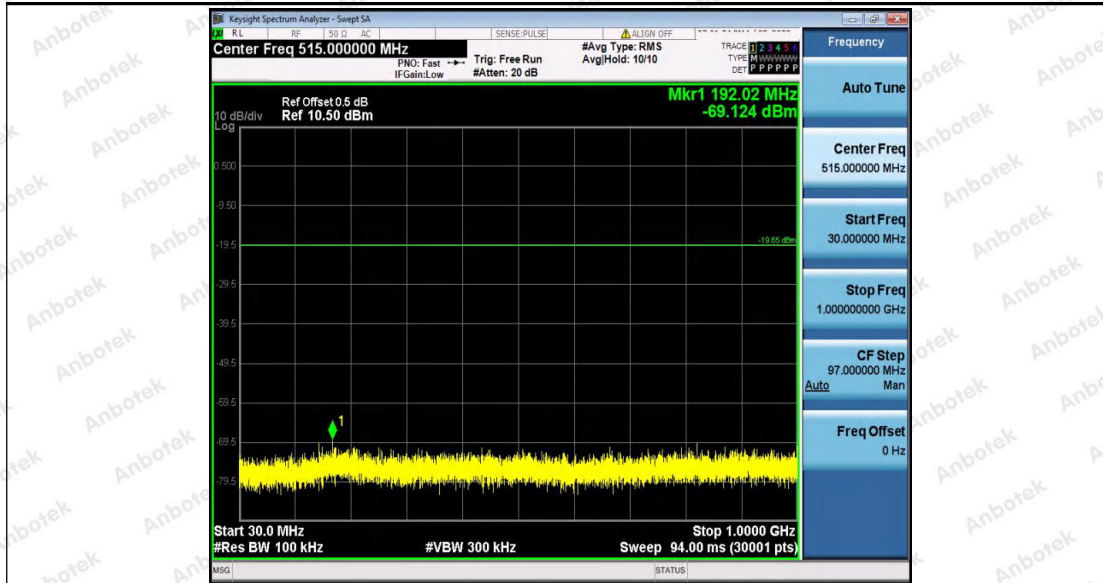
DH5_Ant1_2441_1000~26500



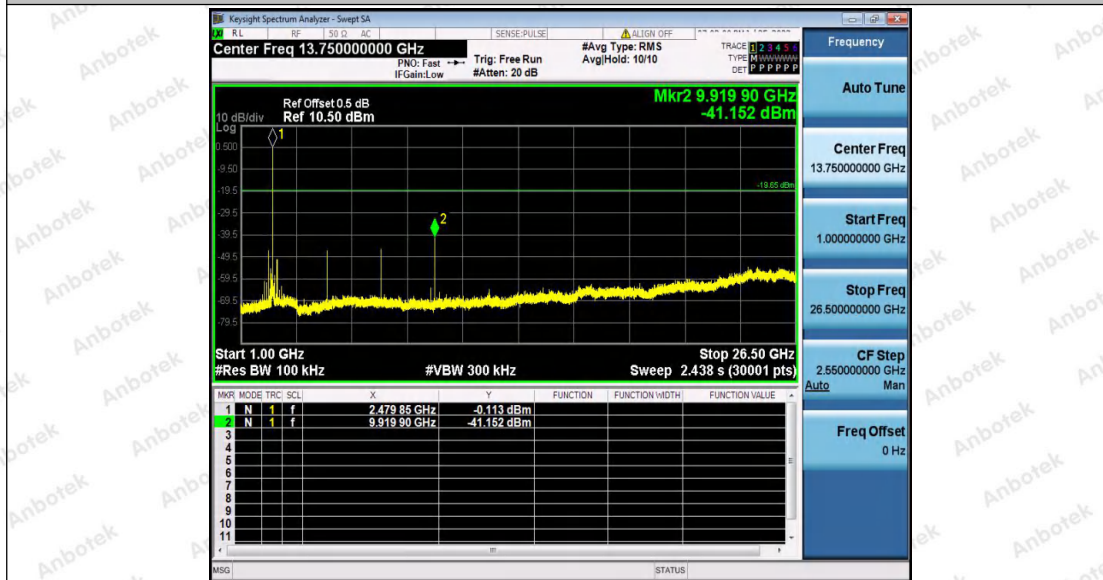
DH5_Ant1_2480_0~Reference



DH5_Ant1_2480_30~1000



DH5_Ant1_2480_1000~26500



2DH5_Ant1_2402_0~Reference

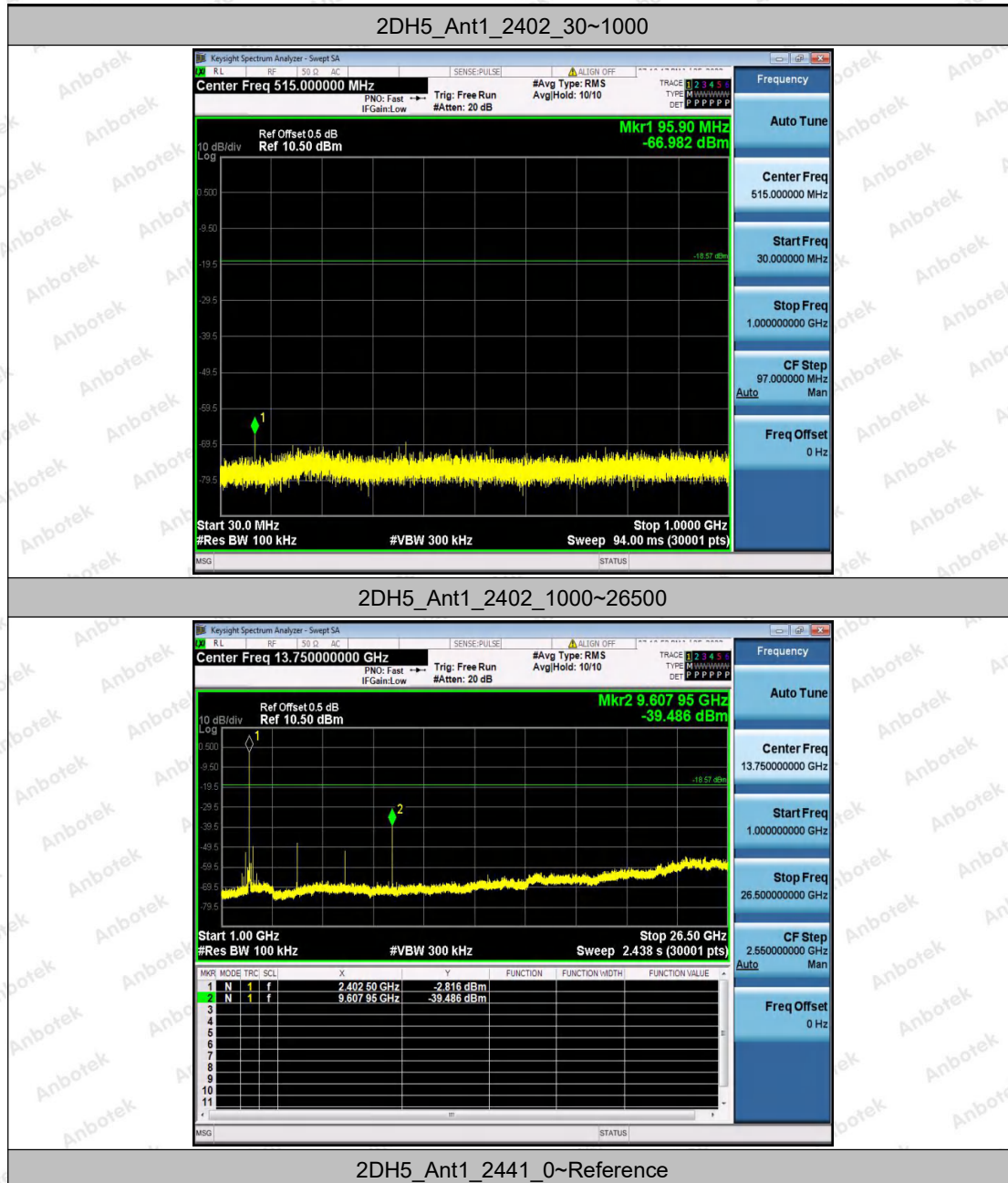


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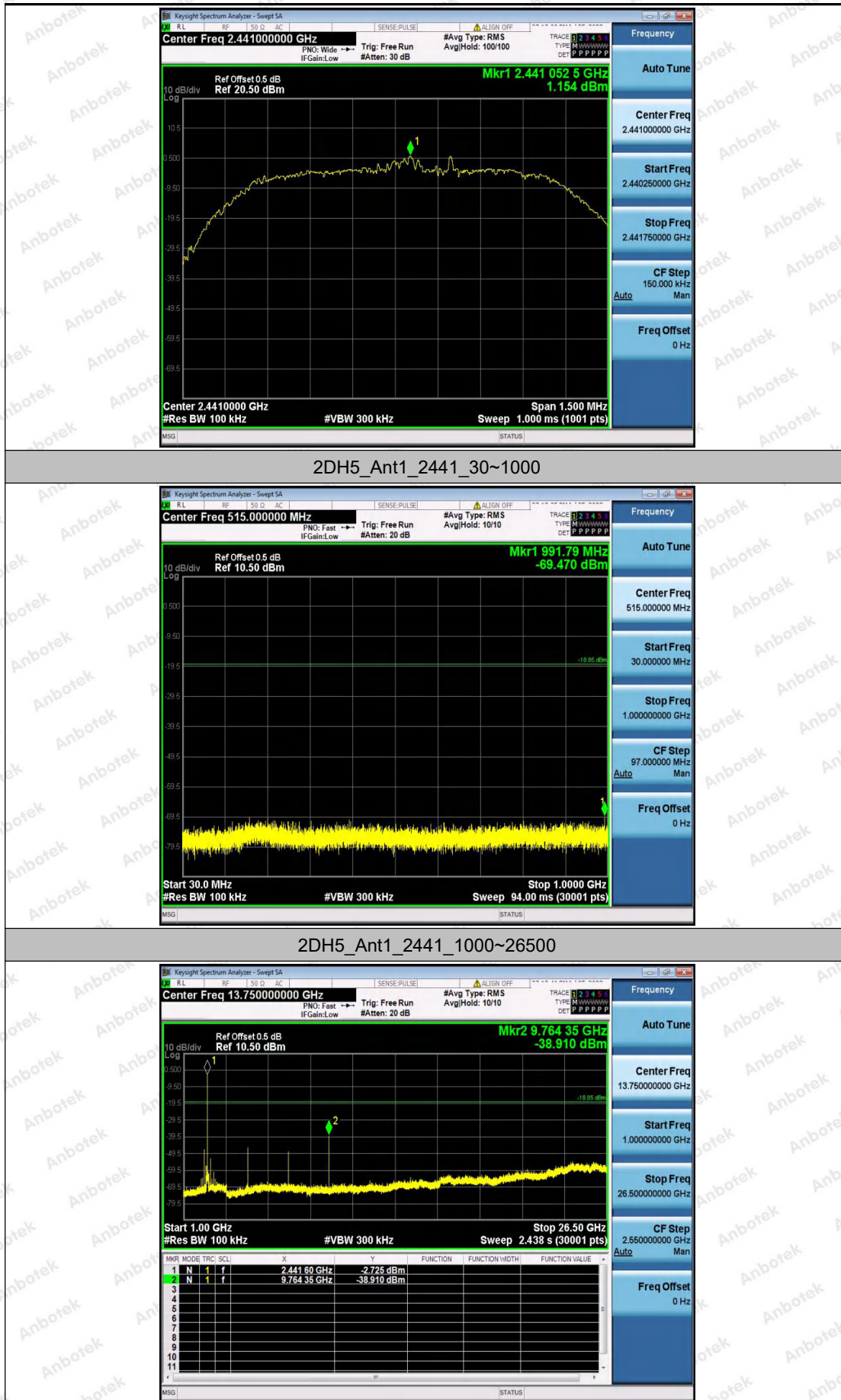
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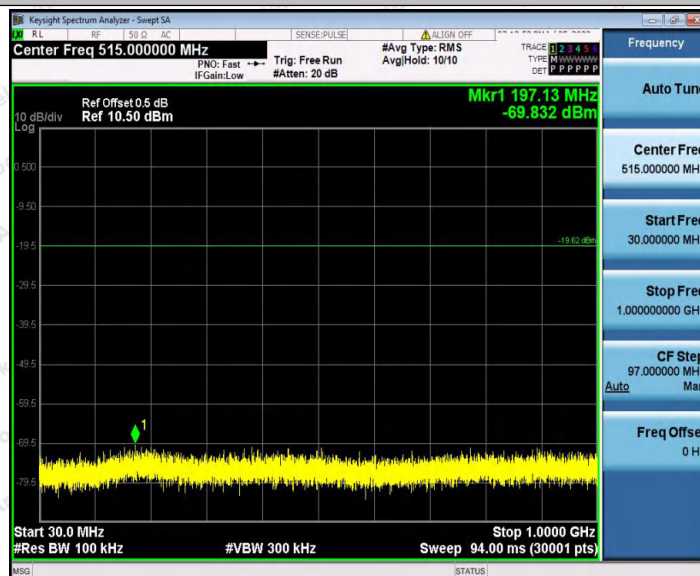
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2DH5_Ant1_2480_0~Reference



2DH5_Ant1_2480_30~1000



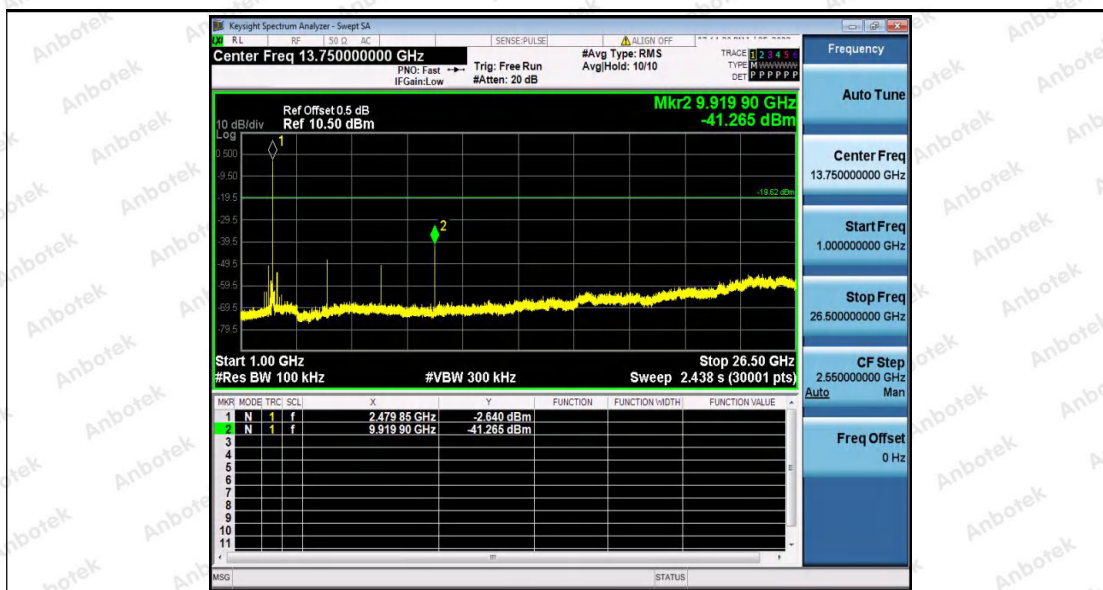
2DH5_Ant1_2480_1000~26500

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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

