

Appendix Test Data

Report No.:	18220WC10172201	Test Date:	2021.7.30
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	Relative Humidity:	54 %
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	0.891	2401.550	2402.441	---	PASS
		2441	0.936	2440.553	2441.489	---	PASS
		2480	0.891	2479.550	2480.441	---	PASS
2DH5	Ant1	2402	1.257	2401.379	2402.636	---	PASS
		2441	1.260	2440.376	2441.636	---	PASS
		2480	1.317	2479.349	2480.666	---	PASS

Test Graphs





2DH5_Ant1_2402



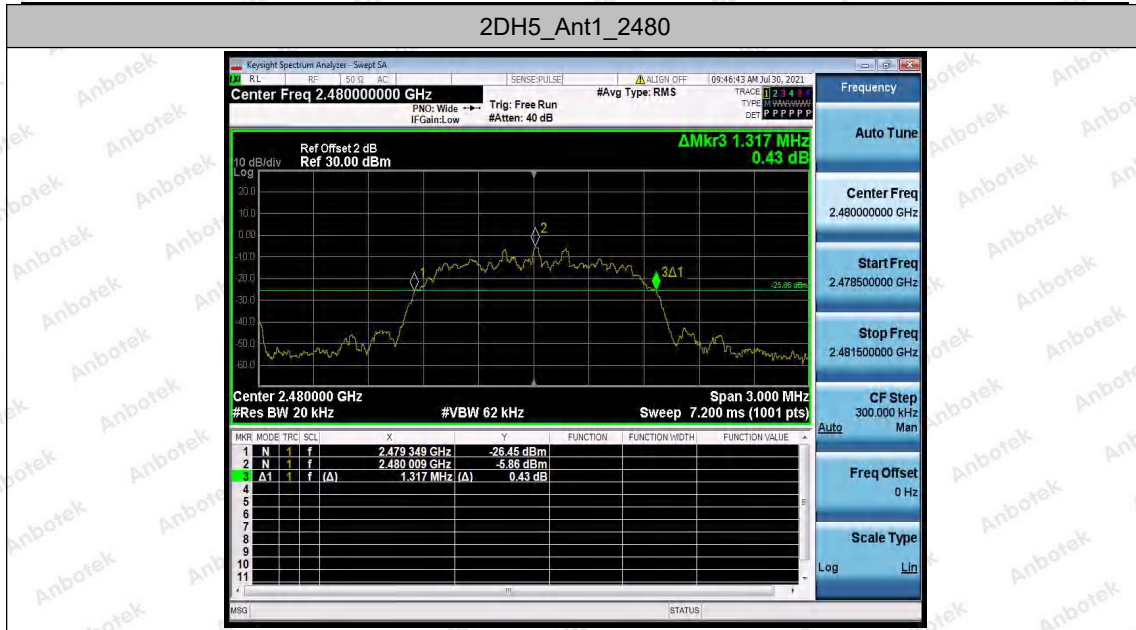
2DH5_Ant1_2441



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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	0.84948	2401.581	2402.431	---	PASS
		2441	0.85527	2440.576	2441.431	---	PASS
		2480	0.84639	2479.579	2480.426	---	PASS
2DH5	Ant1	2402	1.1727	2401.420	2402.593	---	PASS
		2441	1.1897	2440.415	2441.604	---	PASS
		2480	1.1754	2479.420	2480.596	---	PASS

Test Graphs

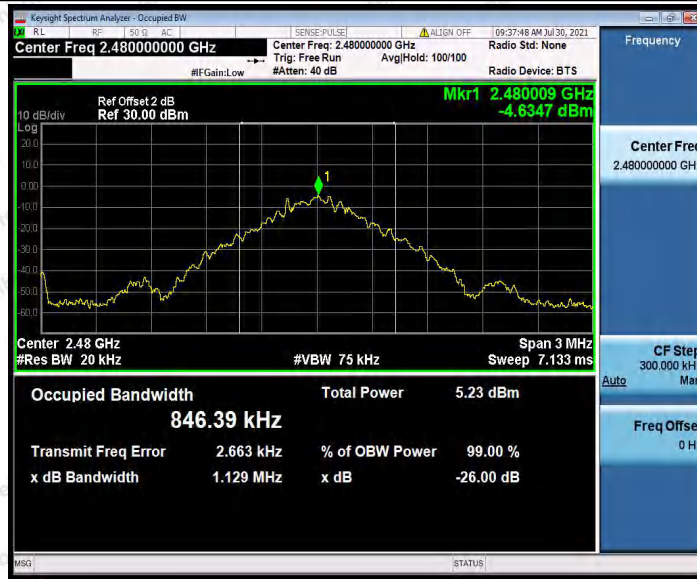


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2DH5_Ant1_2402



2DH5_Ant1_2441

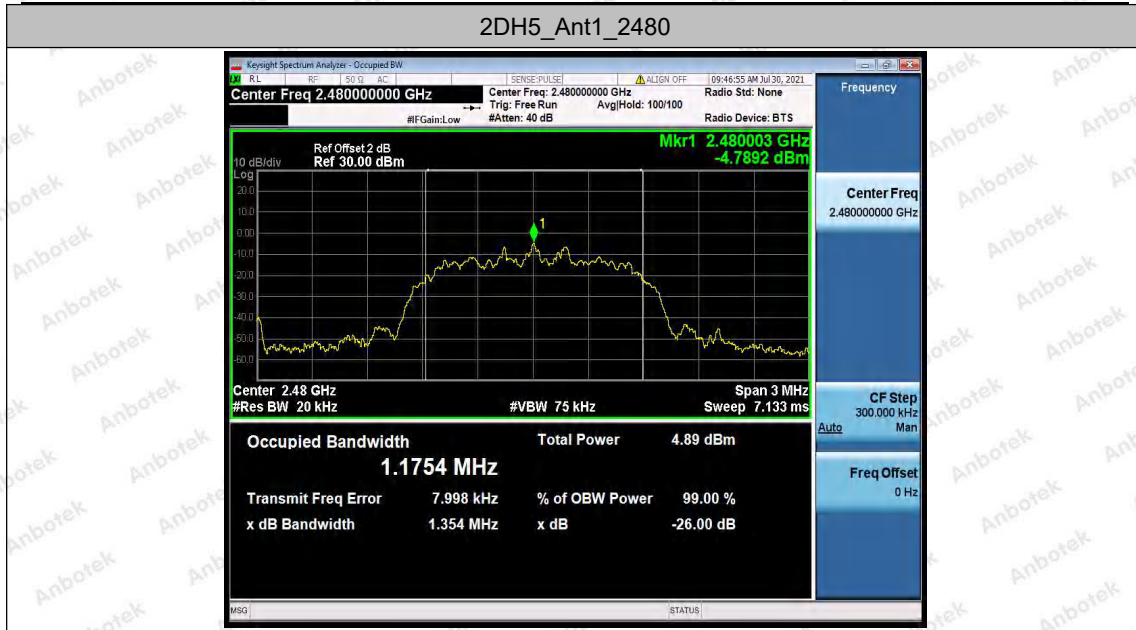


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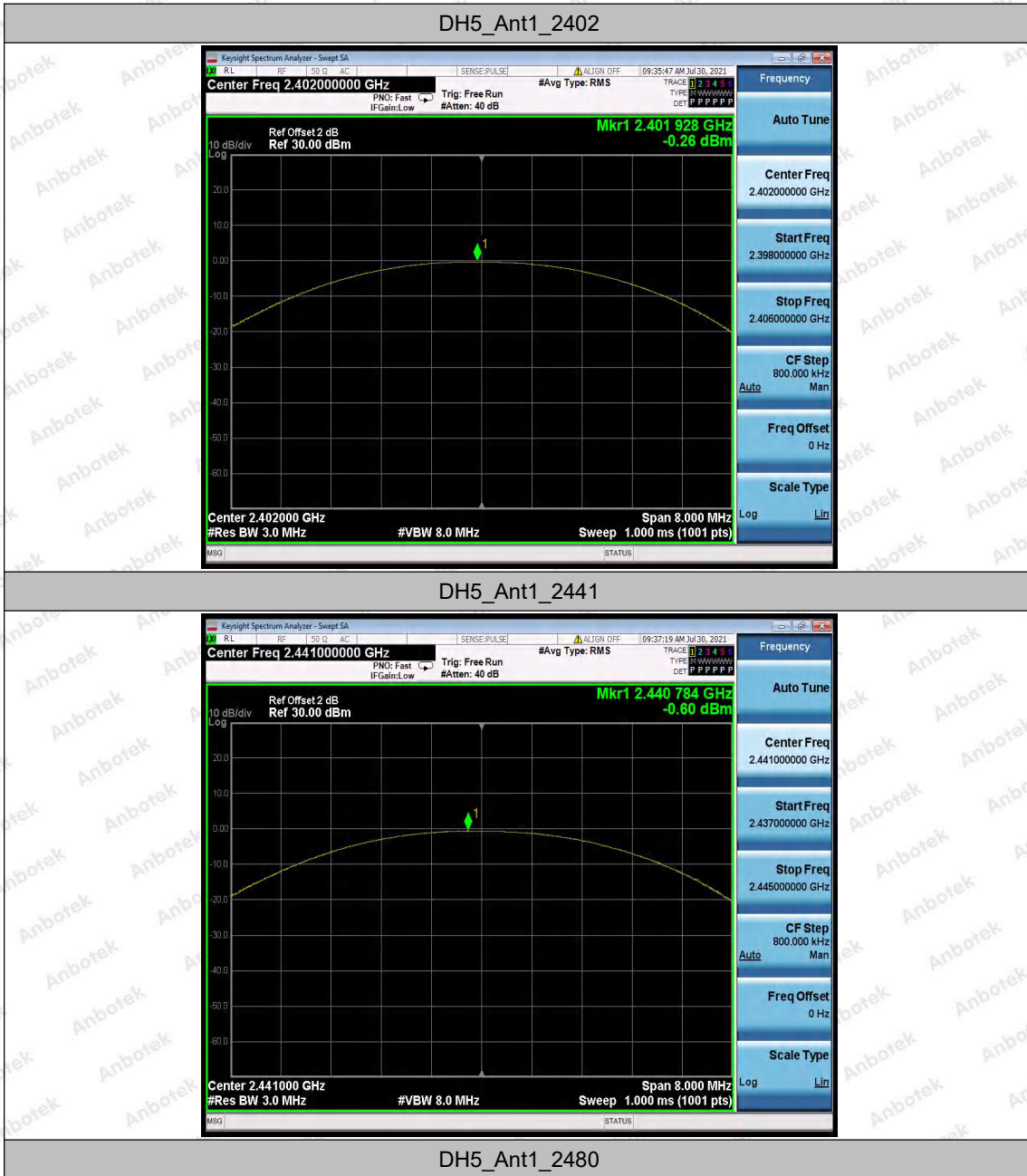
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	-0.26	<=30	PASS
		2441	-0.6	<=30	PASS
		2480	-1.15	<=30	PASS
2DH5	Ant1	2402	0.6	<=30	PASS
		2441	0.28	<=30	PASS
		2480	-0.27	<=30	PASS

Test Graphs

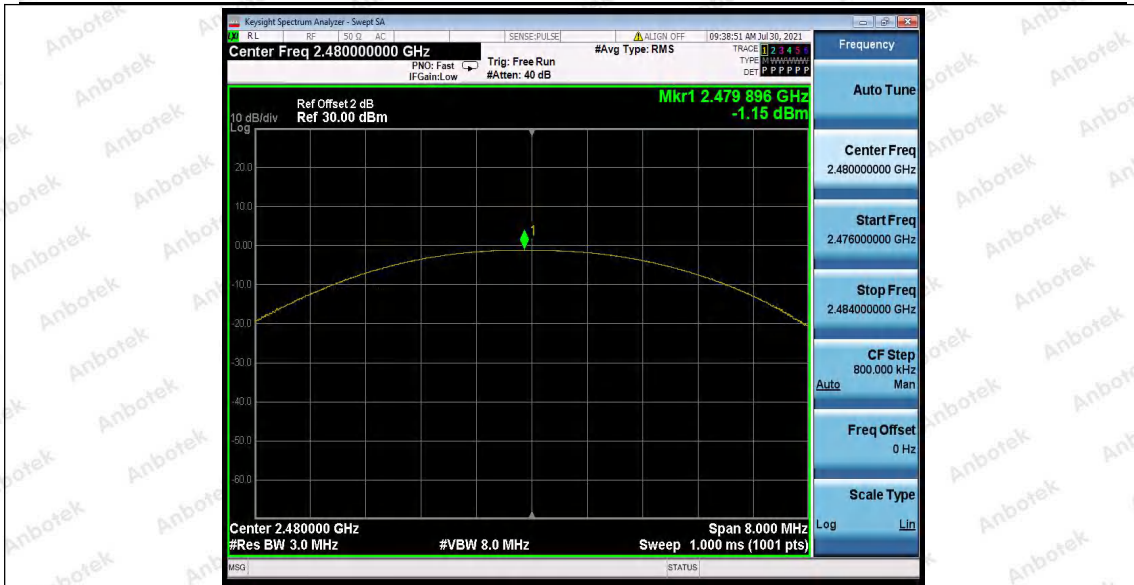


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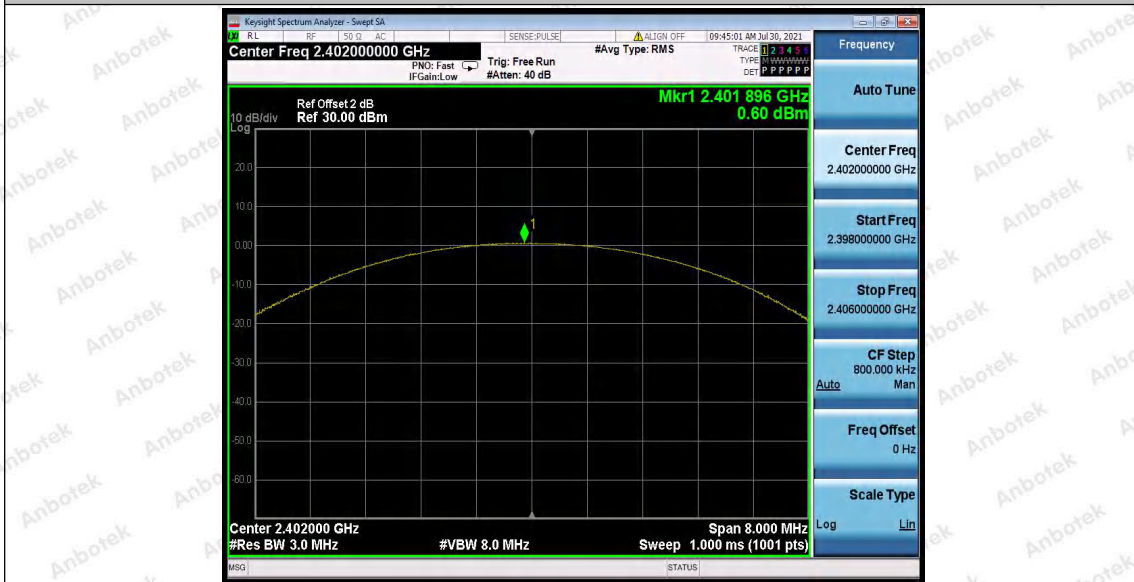
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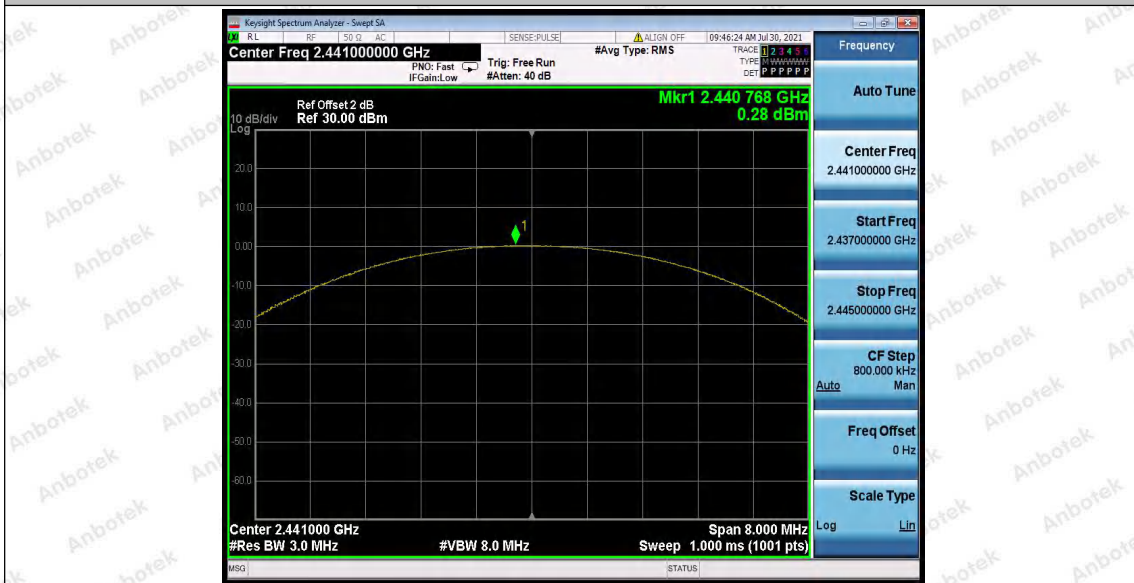
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2DH5_Ant1_2402



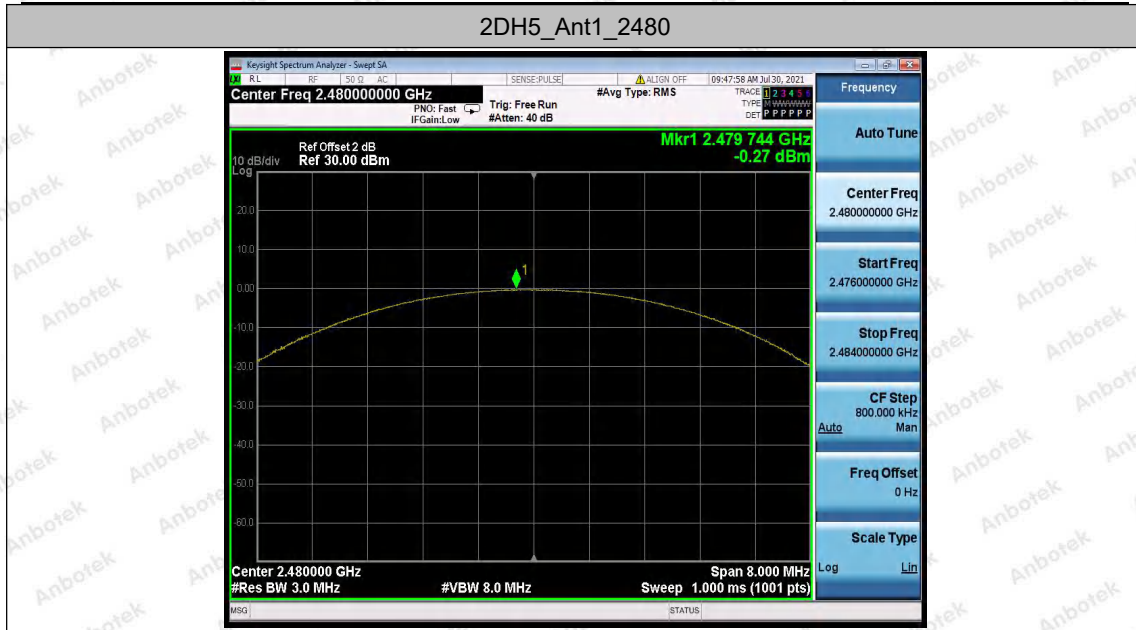
2DH5_Ant1_2441



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Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.148	≥ 0.936	PASS
2DH5	Ant1	Hop	1.006	≥ 0.878	PASS

Test Graphs

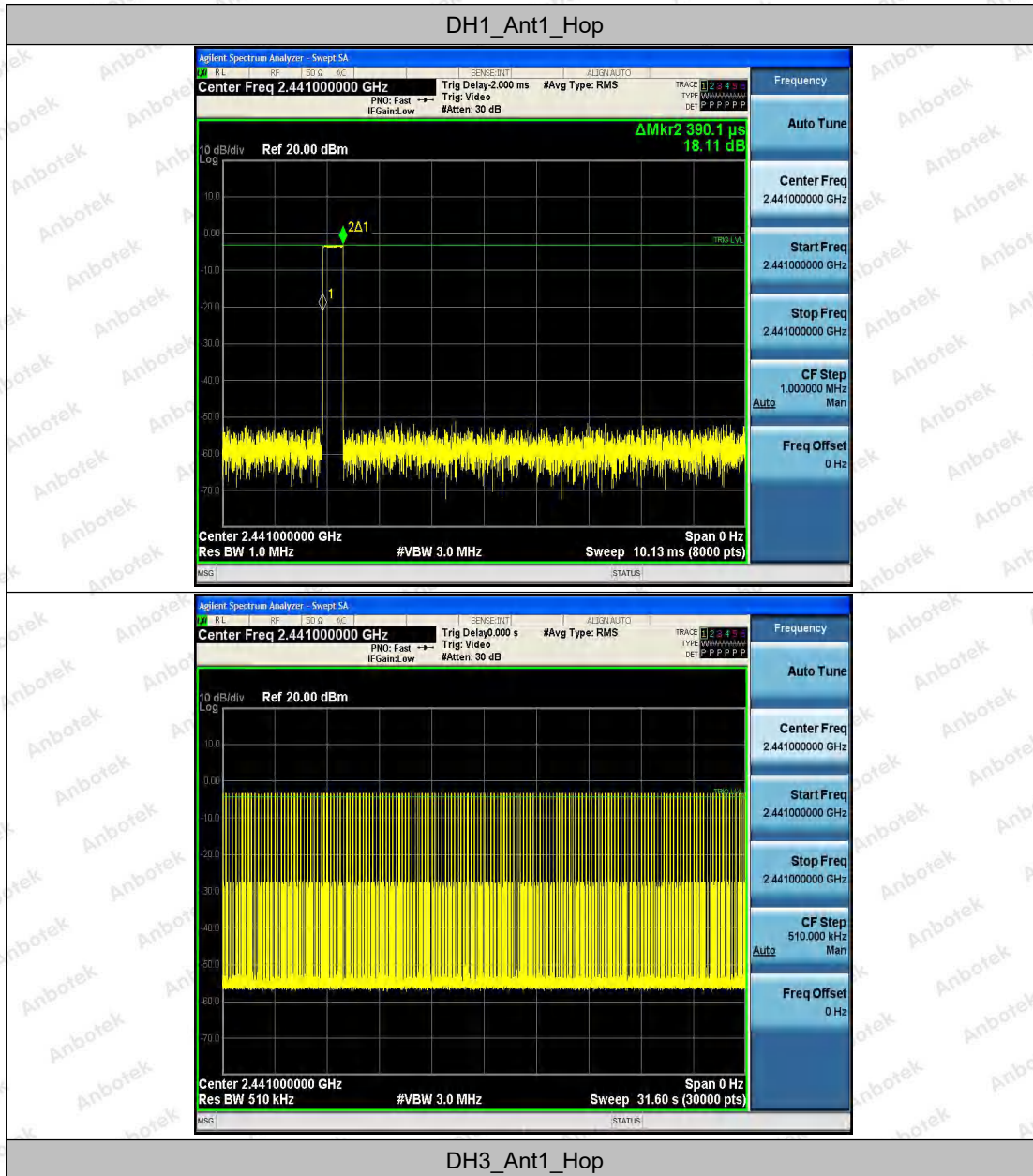


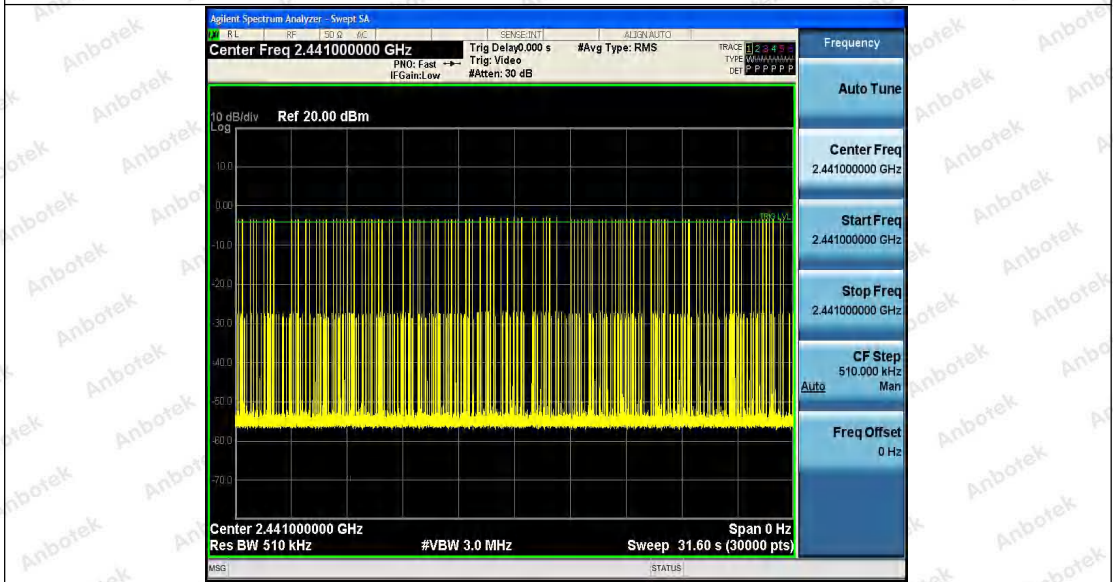
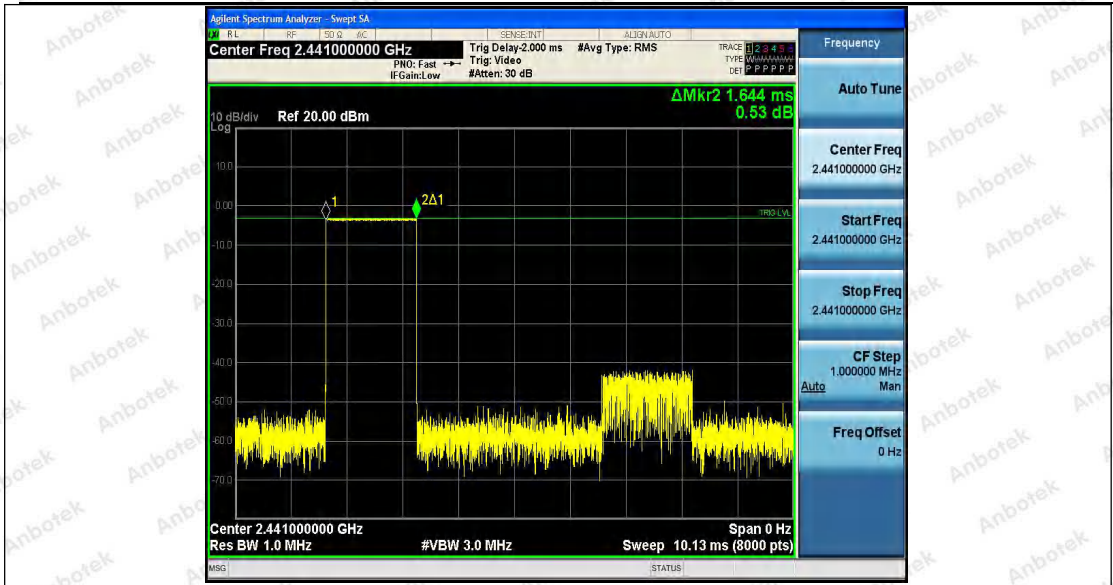
Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.39	320	0.125	≤0.4	PASS
DH3	Ant1	Hop	1.64	147	0.242	≤0.4	PASS
DH5	Ant1	Hop	2.89	104	0.301	≤0.4	PASS
2DH1	Ant1	Hop	0.40	317	0.126	≤0.4	PASS
2DH3	Ant1	Hop	1.65	160	0.264	≤0.4	PASS
2DH5	Ant1	Hop	2.90	110	0.319	≤0.4	PASS

Test Graphs





DH5_Ant1_Hop

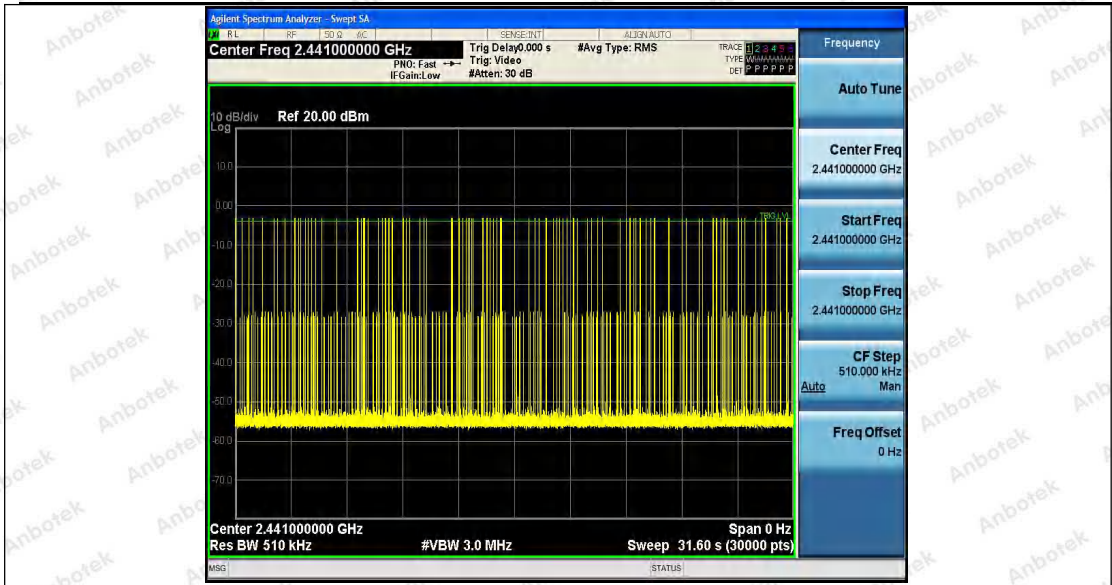


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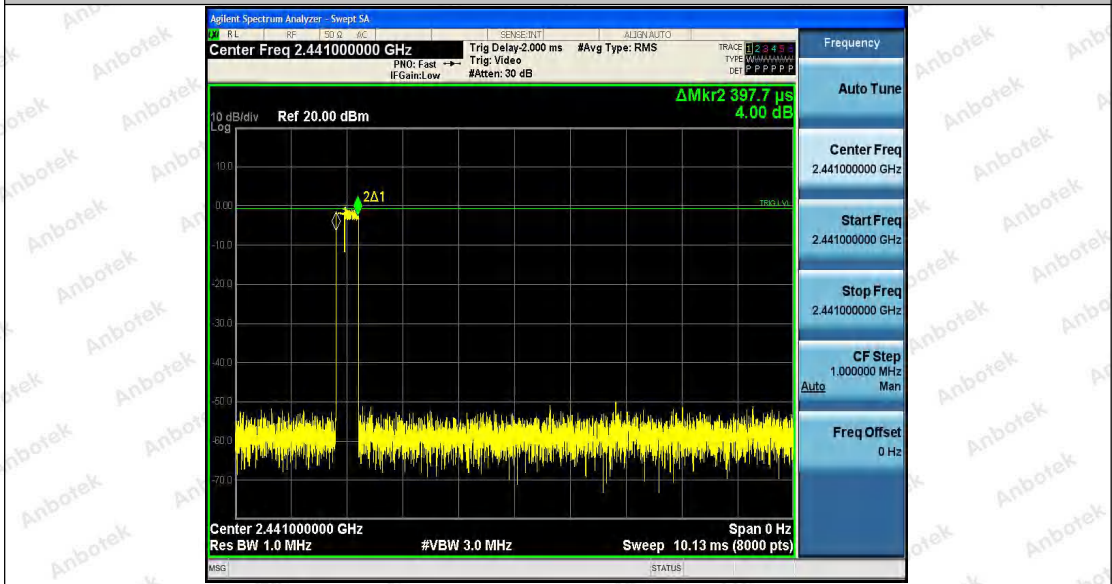
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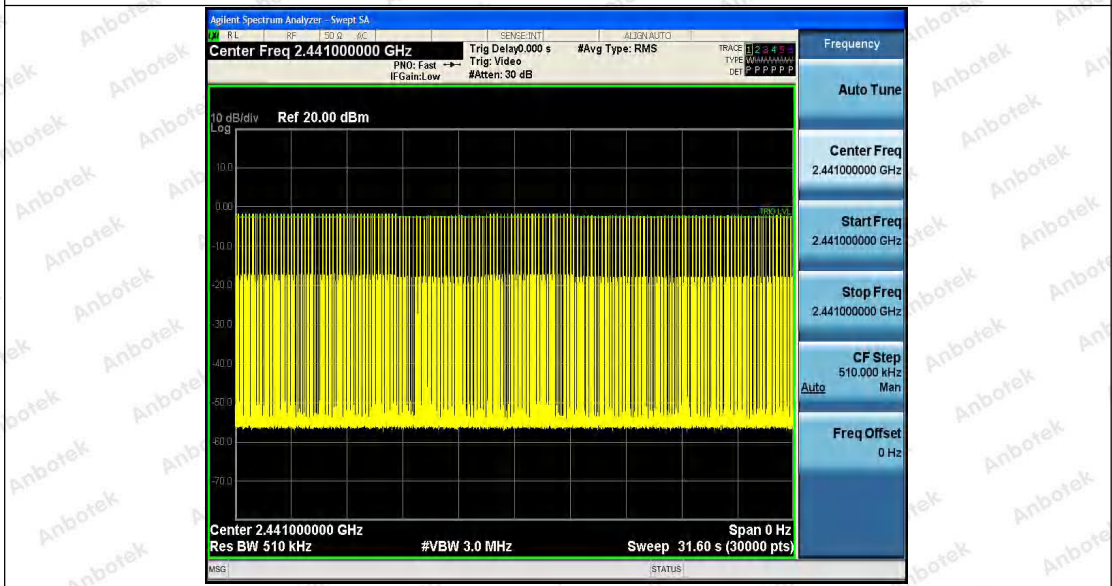
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2DH1_Ant1_Hop



2DH3_Ant1_Hop

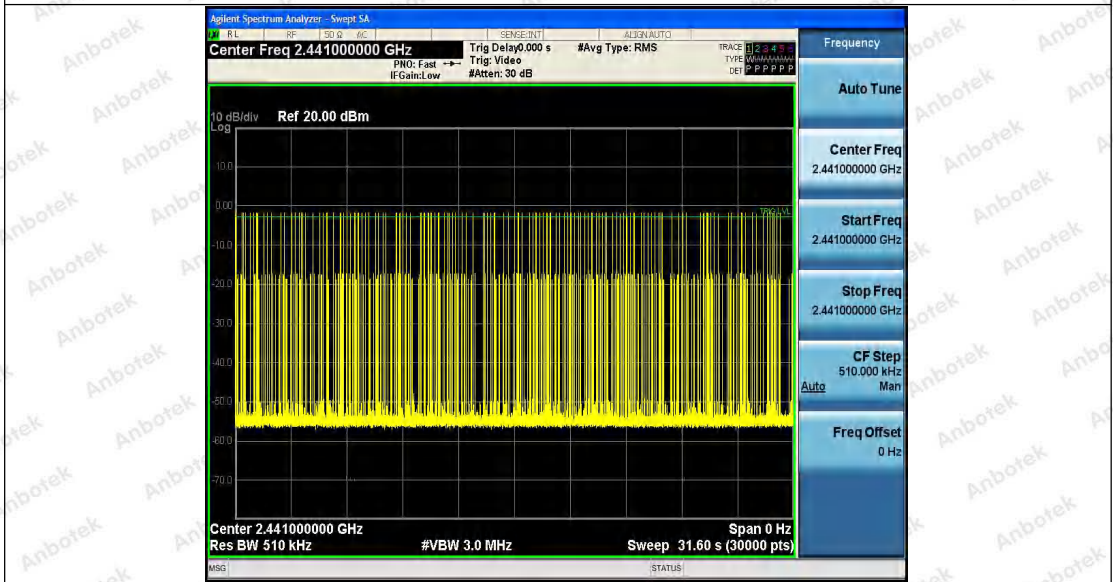
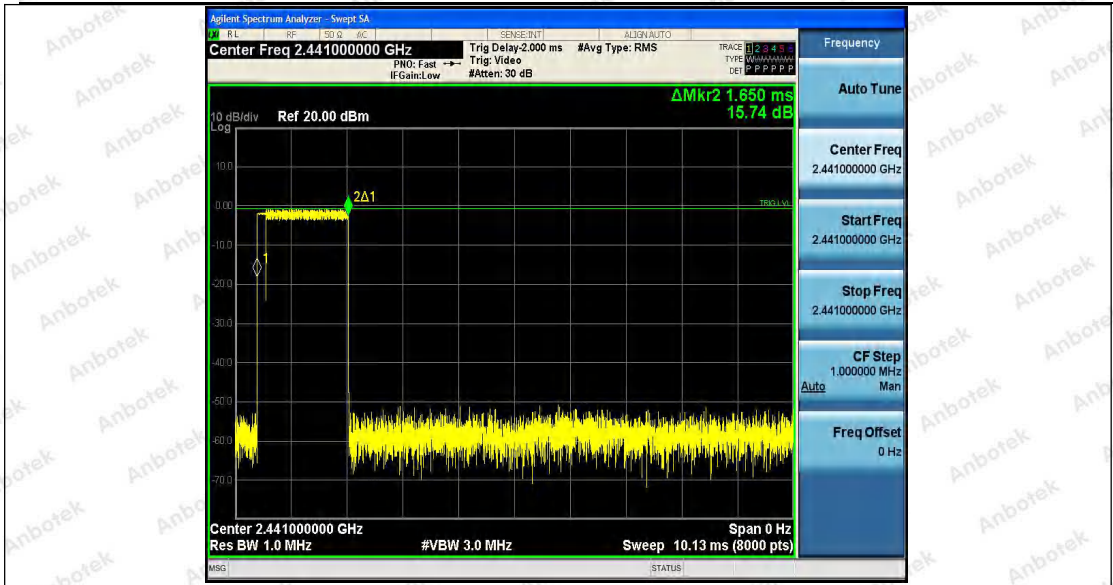


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2DH5_Ant1_Hop

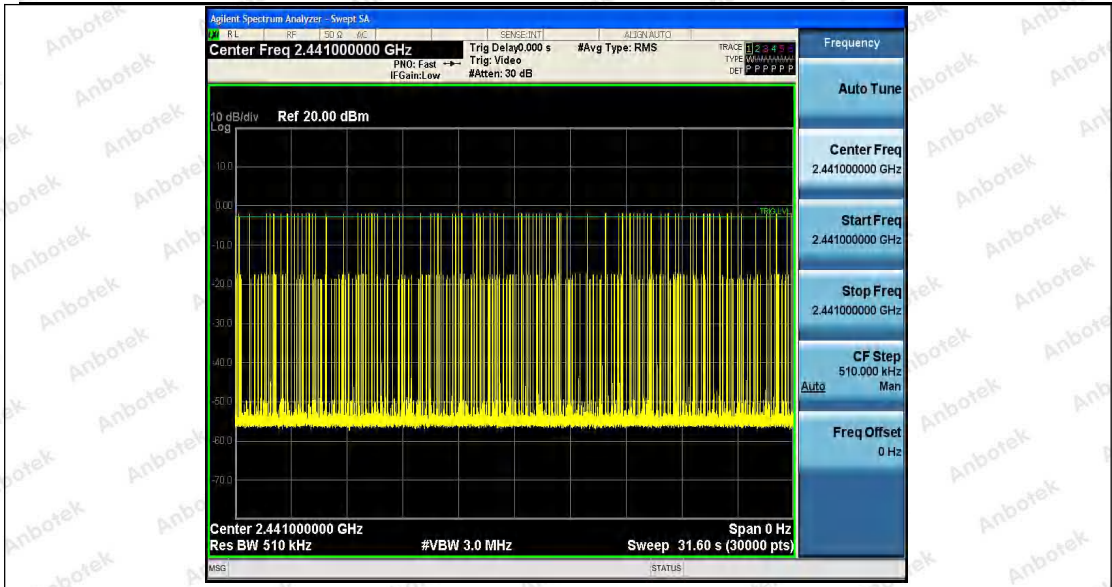


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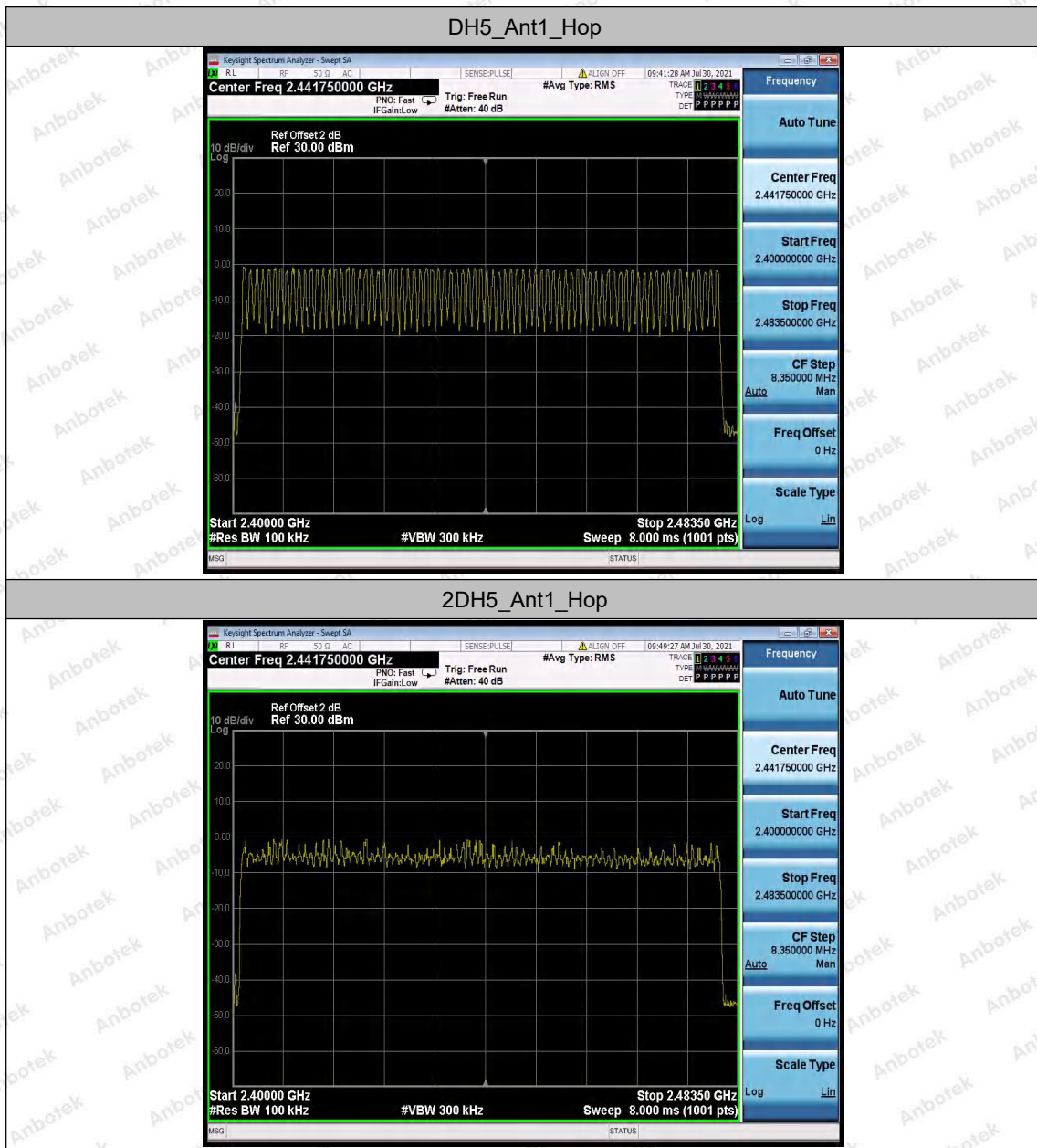
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Appendix F: Number of hopping channels

Test Result

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

Test Graphs

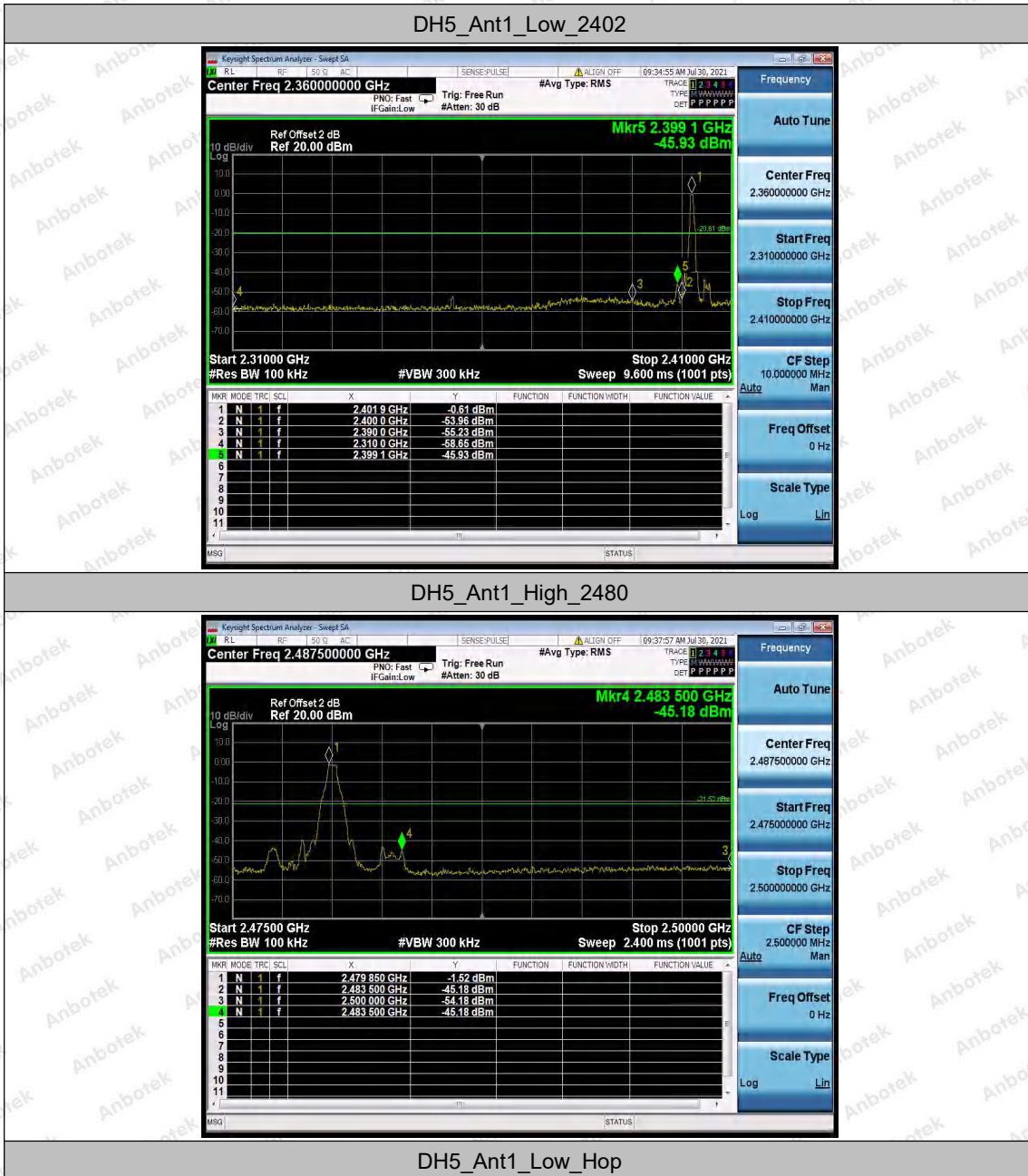


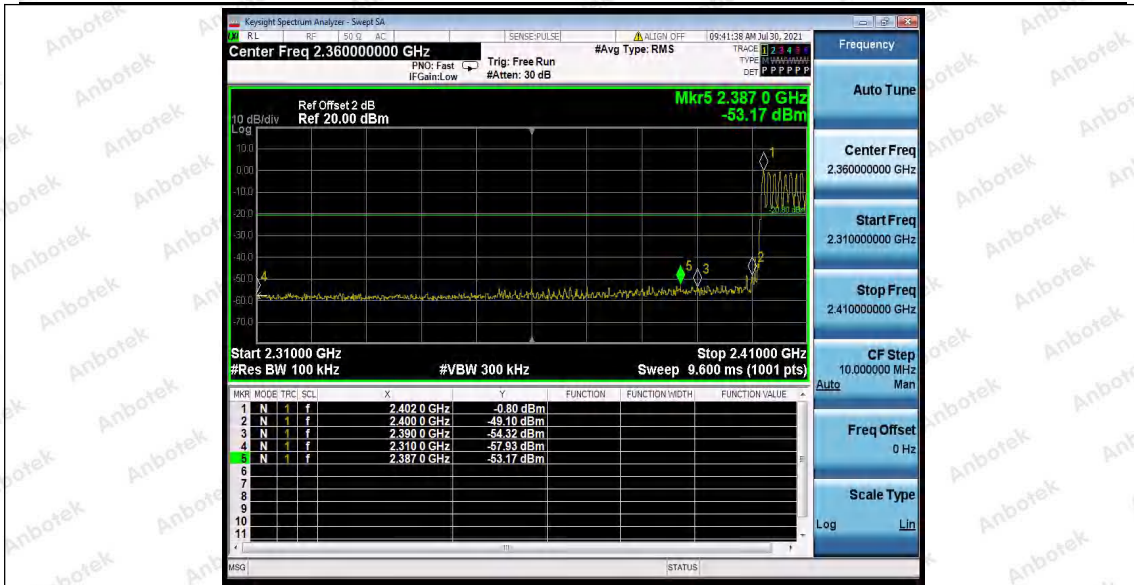
Appendix G: Band edge measurements

Test Result

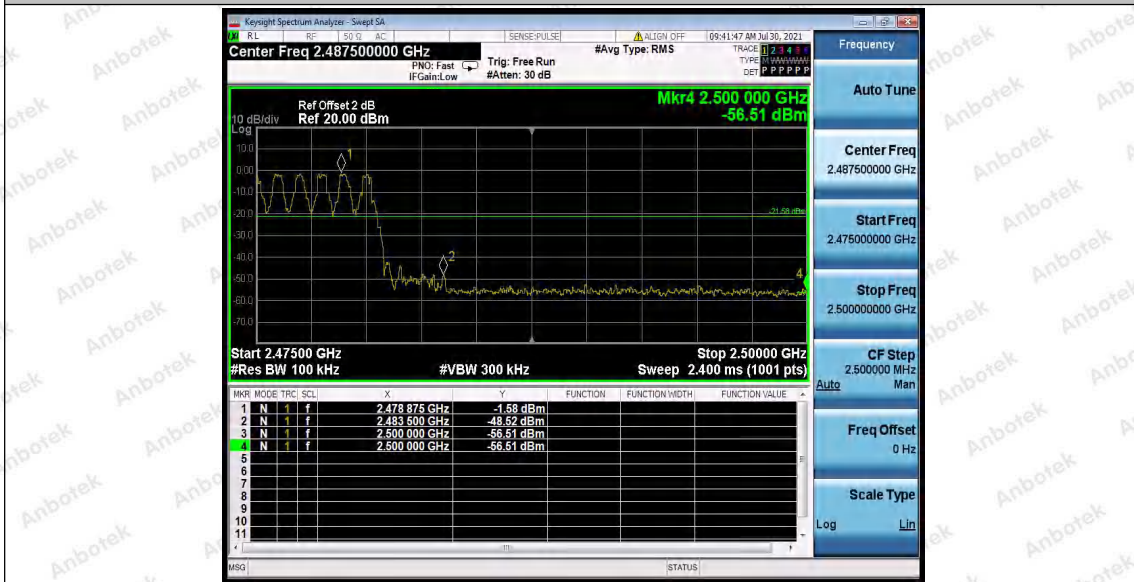
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.61	-45.94	<=-20.61	PASS
		High	2480	-1.52	-45.18	<=-21.52	PASS
		Low	Hop	-0.80	-53.17	<=-20.8	PASS
		High	Hop	-1.58	-56.51	<=-21.58	PASS
2DH5	Ant1	Low	2402	-0.86	-46.92	<=-20.86	PASS
		High	2480	-1.51	-44.78	<=-21.51	PASS
		Low	Hop	-1.28	-52.9	<=-21.28	PASS
		High	Hop	-1.51	-57.09	<=-21.51	PASS

Test Graphs

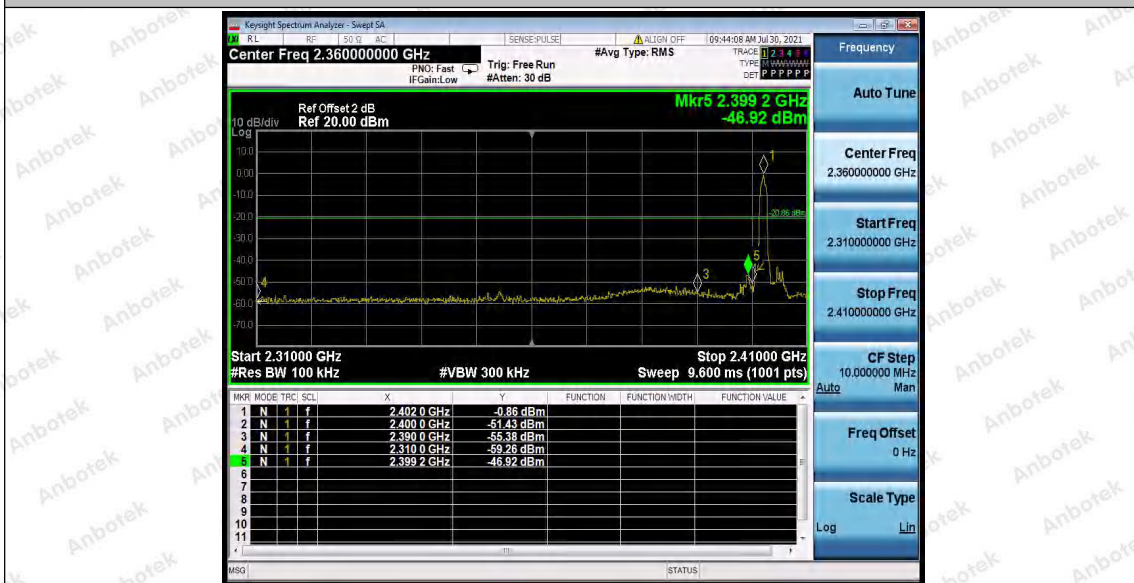




DH5_Ant1_High_Hop



2DH5_Ant1_Low_2402



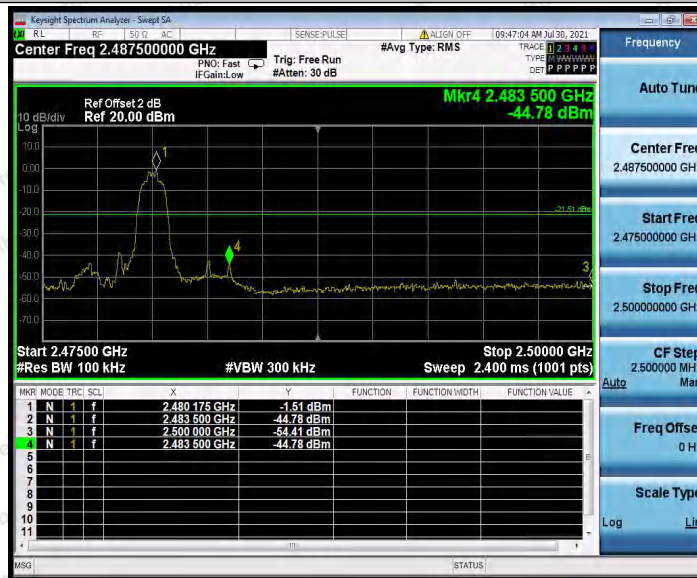
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2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop



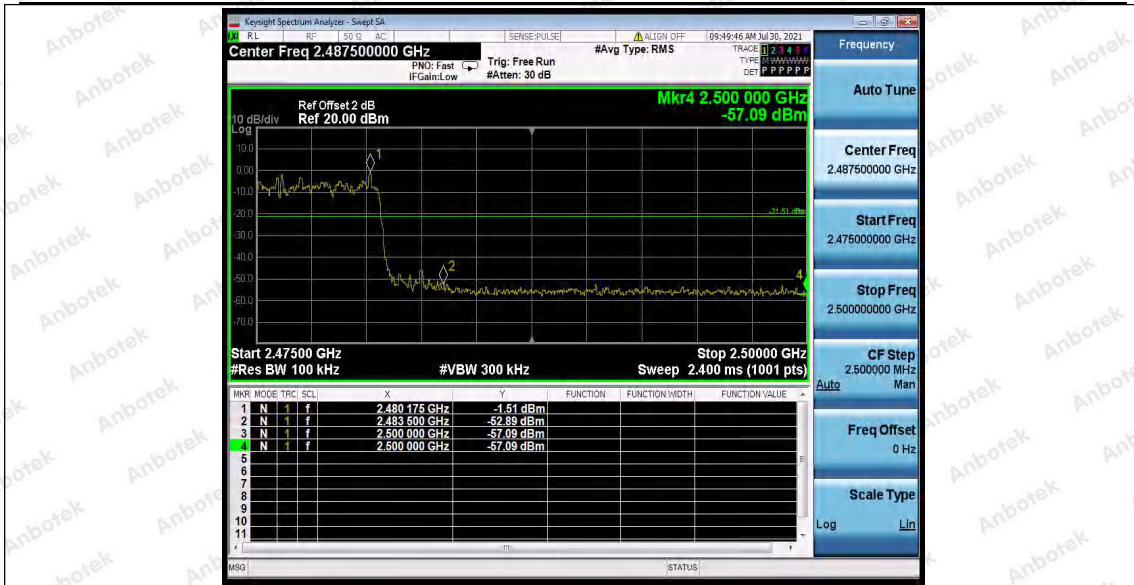
2DH5_Ant1_High_Hop

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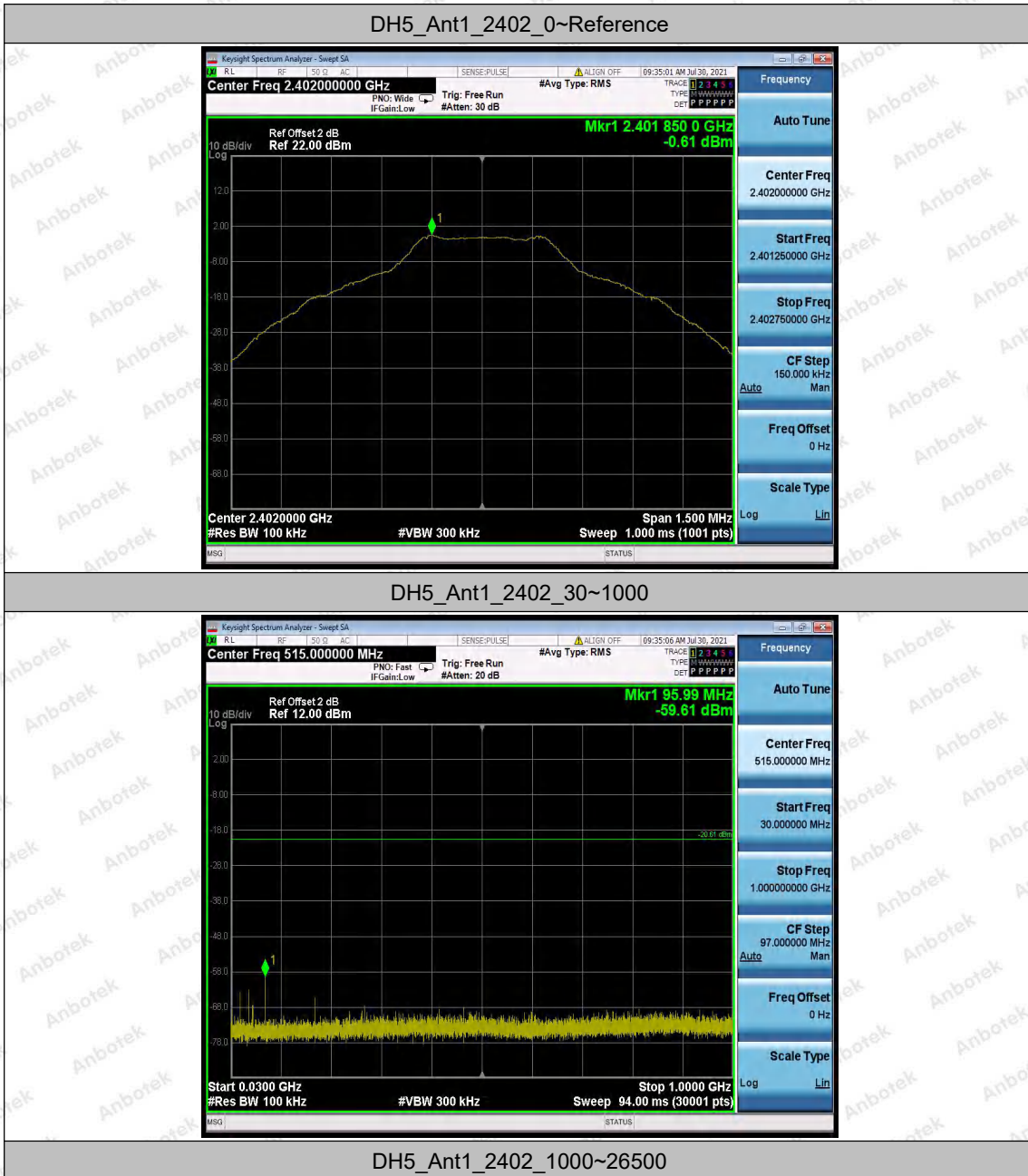
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Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-0.61	-0.61	---	PASS
			30~1000	-0.61	-59.61	<=-20.61	PASS
			1000~26500	-0.61	-44.78	<=-20.61	PASS
		2441	Reference	-0.90	-0.90	---	PASS
			30~1000	-0.90	-60.9	<=-20.9	PASS
			1000~26500	-0.90	-43.46	<=-20.9	PASS
		2480	Reference	-1.53	-1.53	---	PASS
			30~1000	-1.53	-57.97	<=-21.53	PASS
			1000~26500	-1.53	-43.06	<=-21.53	PASS
2DH5	Ant1	2402	Reference	-0.67	-0.67	---	PASS
			30~1000	-0.67	-62.41	<=-20.67	PASS
			1000~26500	-0.67	-44.78	<=-20.67	PASS
		2441	Reference	-0.96	-0.96	---	PASS
			30~1000	-0.96	-63.69	<=-20.96	PASS
			1000~26500	-0.96	-43.58	<=-20.96	PASS
		2480	Reference	-1.54	-1.54	---	PASS
			30~1000	-1.54	-56.95	<=-21.54	PASS
			1000~26500	-1.54	-42.84	<=-21.54	PASS

Test Graphs

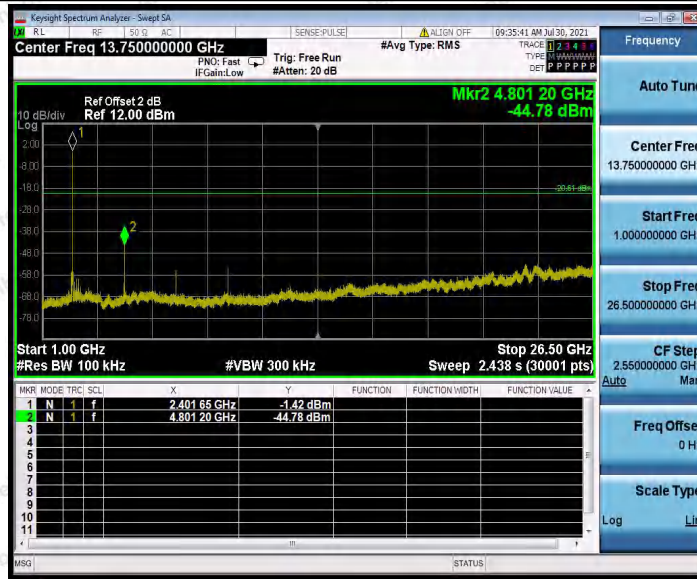


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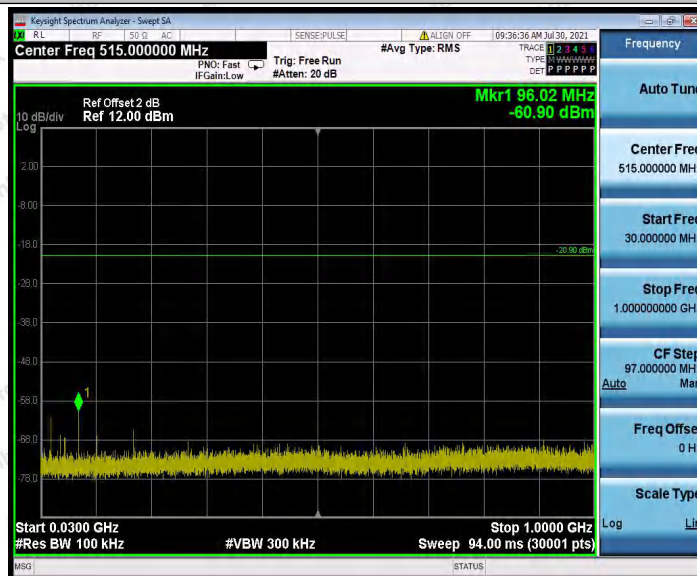
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DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



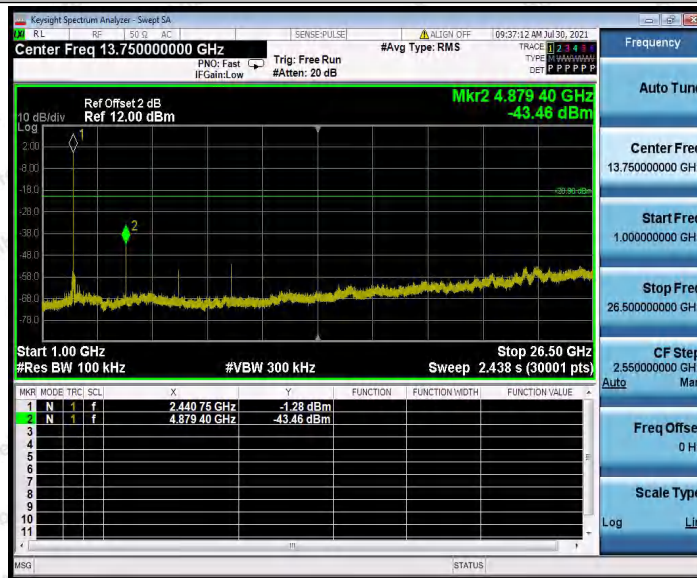
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DH5_Ant1_2441_1000~26500



DH5_Ant1_2480_0~Reference



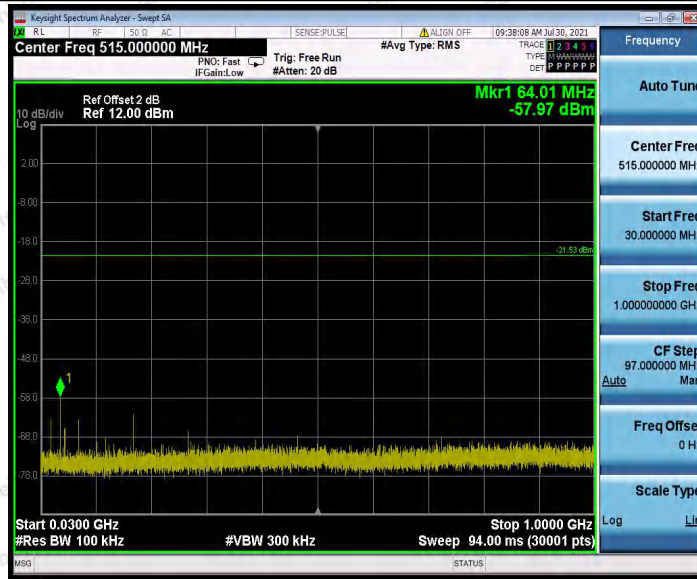
DH5_Ant1_2480_30~1000

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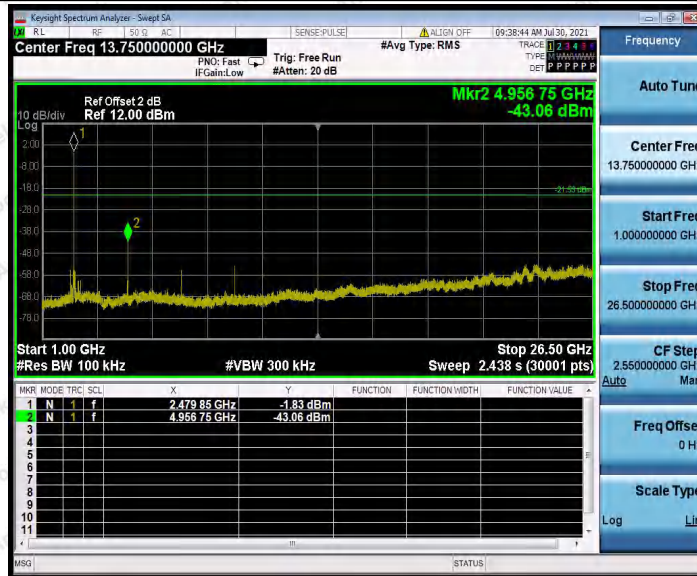
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DH5_Ant1_2480_1000~26500



2DH5_Ant1_2402_0~Reference

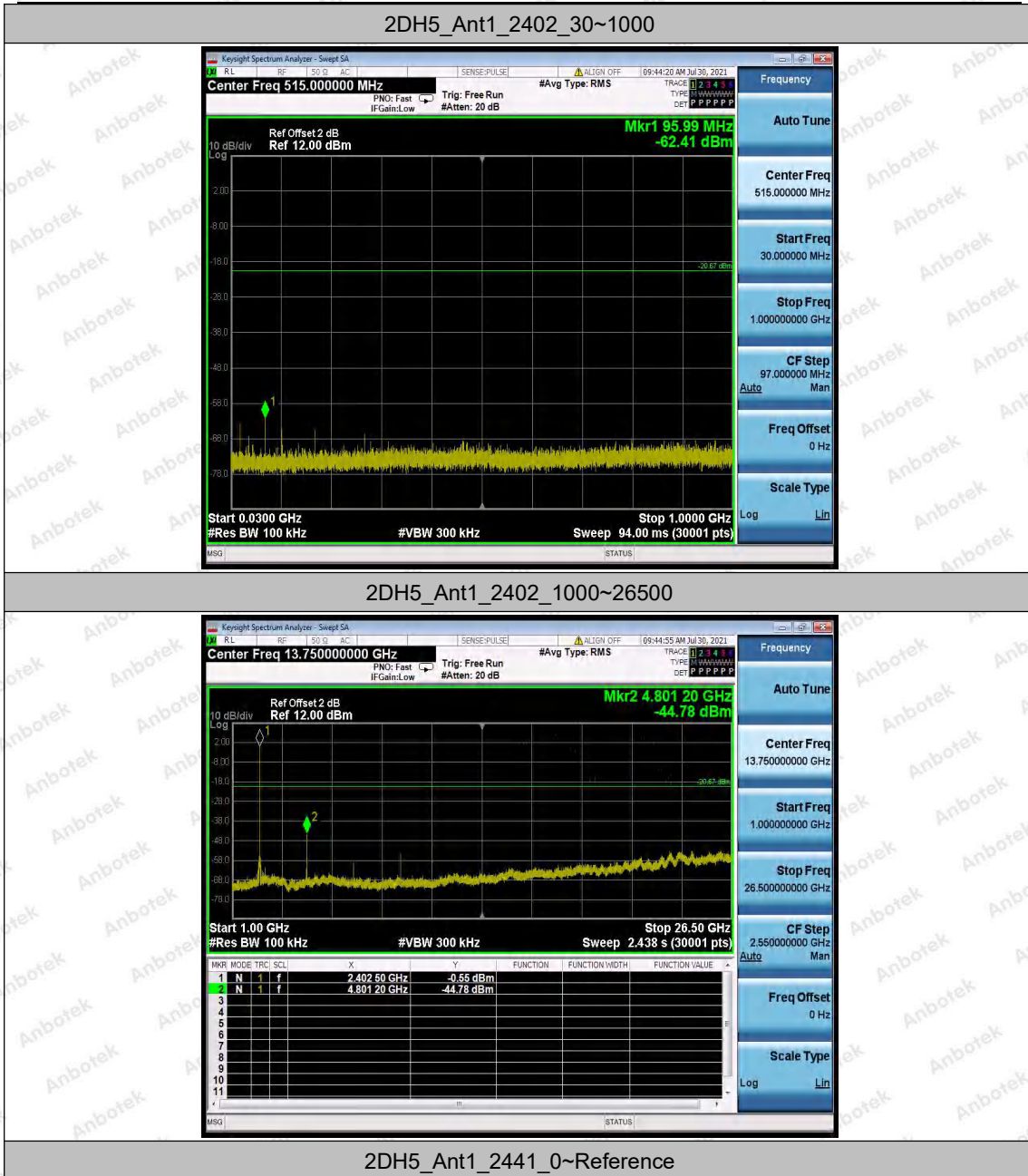


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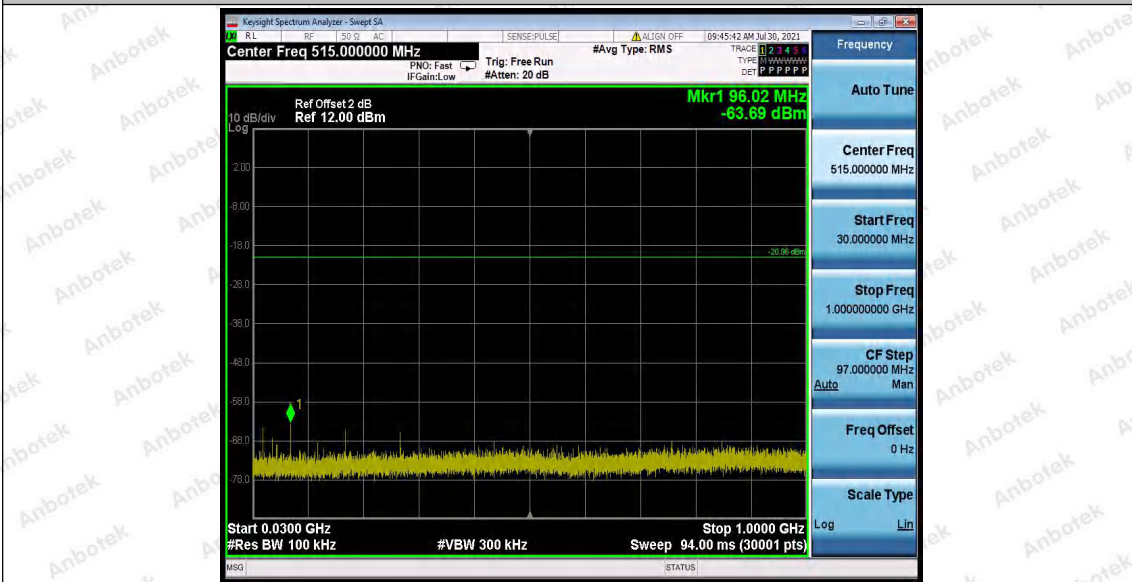
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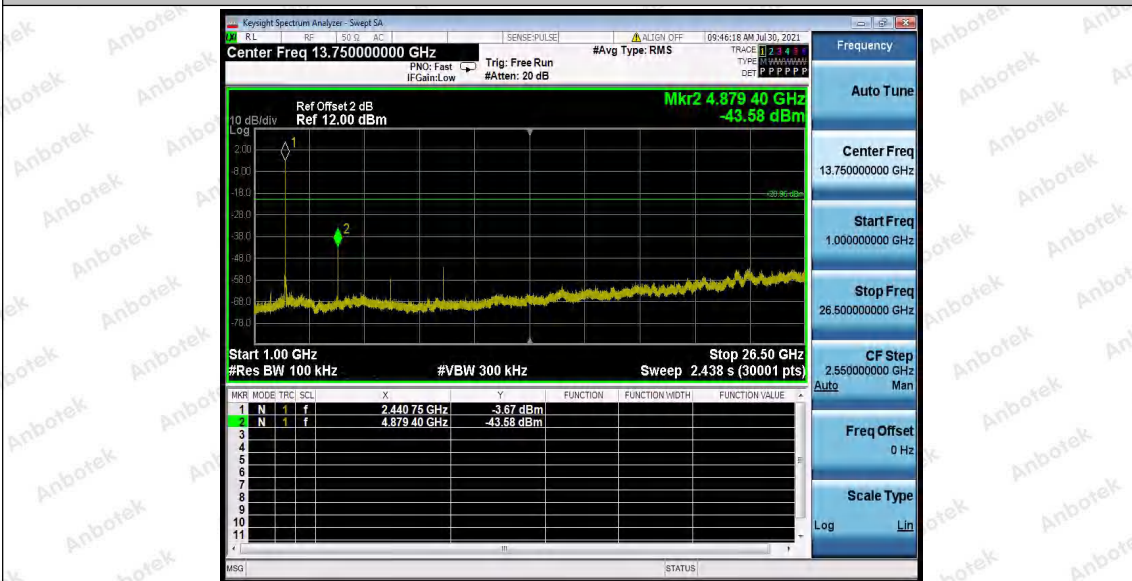
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2DH5_Ant1_2441_30~1000



2DH5_Ant1_2441_1000~26500



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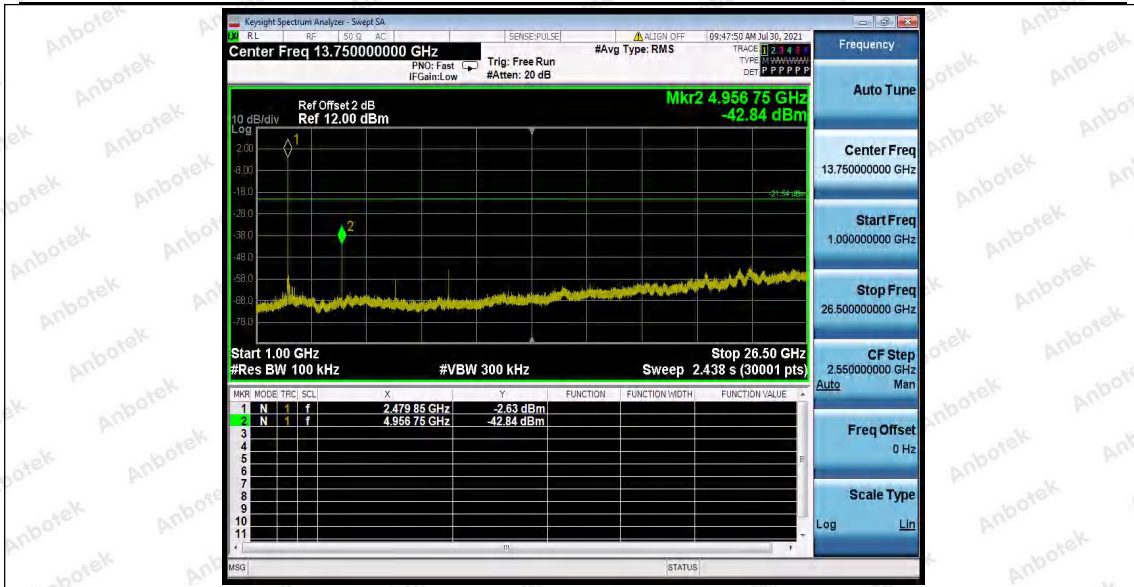


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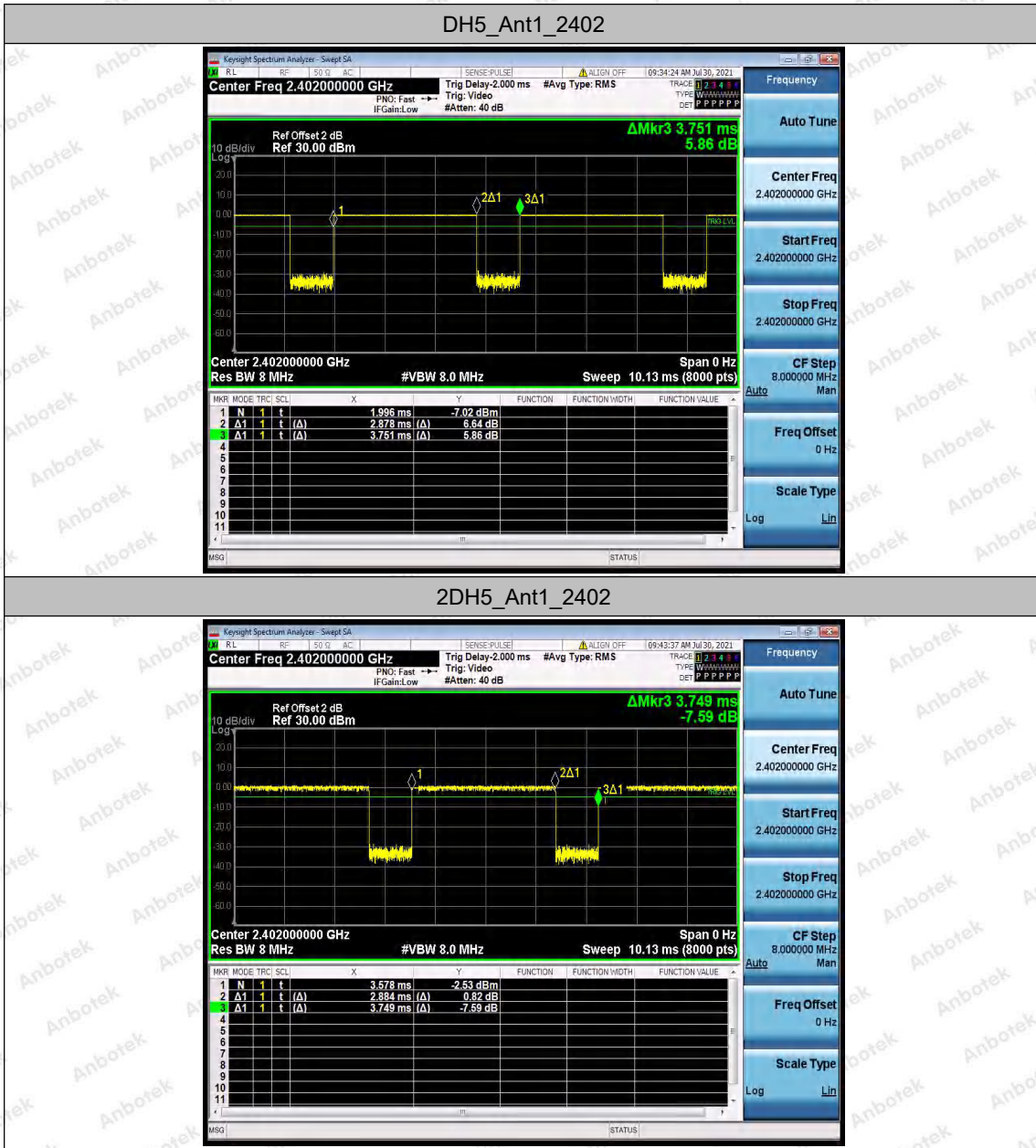
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Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
DH5	Ant1	2402	2.88	3.75	0.7680	76.80	1.15	---	PASS
2DH5	Ant1	2402	2.88	3.75	0.7680	76.80	1.15	---	PASS

Test Graphs



---End---