

## Appendix Test Data

Report No.:	18220WC20157801	Test Sample No.:	1-2-2
Start Test Date:	2022.7.13	Finish Test Date:	2022.7.15
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	Relative Humidity:	56.6 %
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	2401.544	2402.489	---	PASS
		2441	0.948	2440.544	2441.492	---	PASS
		2480	0.894	2479.544	2480.438	---	PASS
2DH5	Ant1	2402	1.320	2401.343	2402.663	---	PASS
		2441	1.323	2440.343	2441.666	---	PASS
		2480	1.326	2479.343	2480.669	---	PASS

## Test Graphs





2DH5\_Ant1\_2402



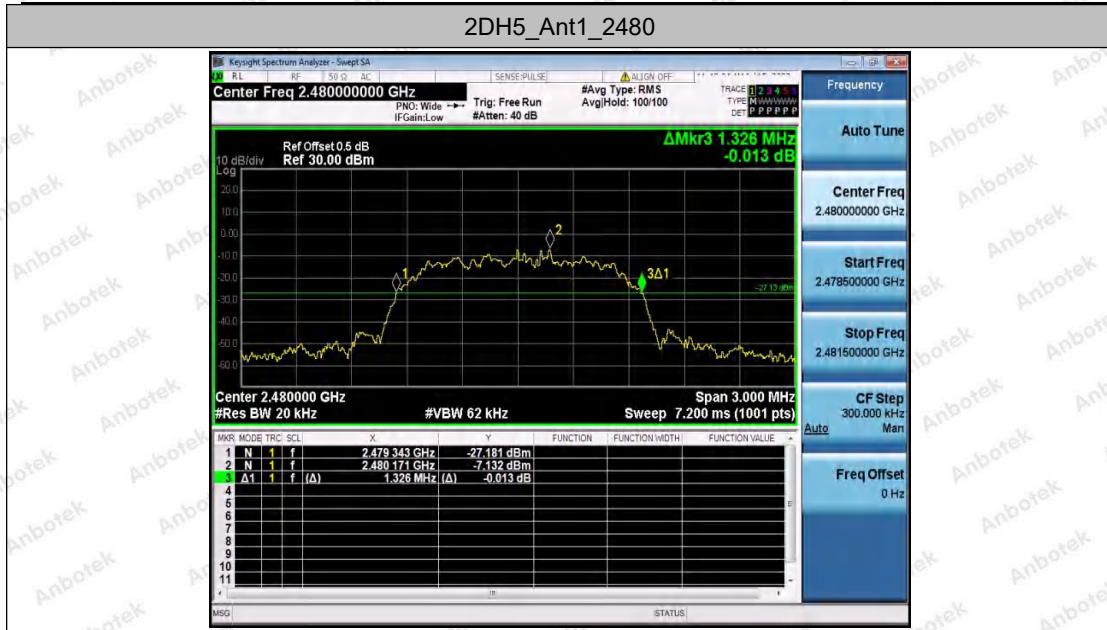
2DH5\_Ant1\_2441



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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	0.85087	2401.57 6	2402.427	---	PASS
		2441	0.85401	2440.57 2	2441.426	---	PASS
		2480	0.85248	2479.57 8	2480.430	---	PASS
2DH5	Ant1	2402	1.1781	2401.41 6	2402.594	---	PASS
		2441	1.1808	2440.41 6	2441.597	---	PASS
		2480	1.1786	2479.41 6	2480.595	---	PASS

## Test Graphs



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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	1.59	≤20.97	PASS
		2441	0.3	≤20.97	PASS
		2480	-1.74	≤20.97	PASS
2DH5	Ant1	2402	3.85	≤20.97	PASS
		2441	2.53	≤20.97	PASS
		2480	0.47	≤20.97	PASS

## Test Graphs

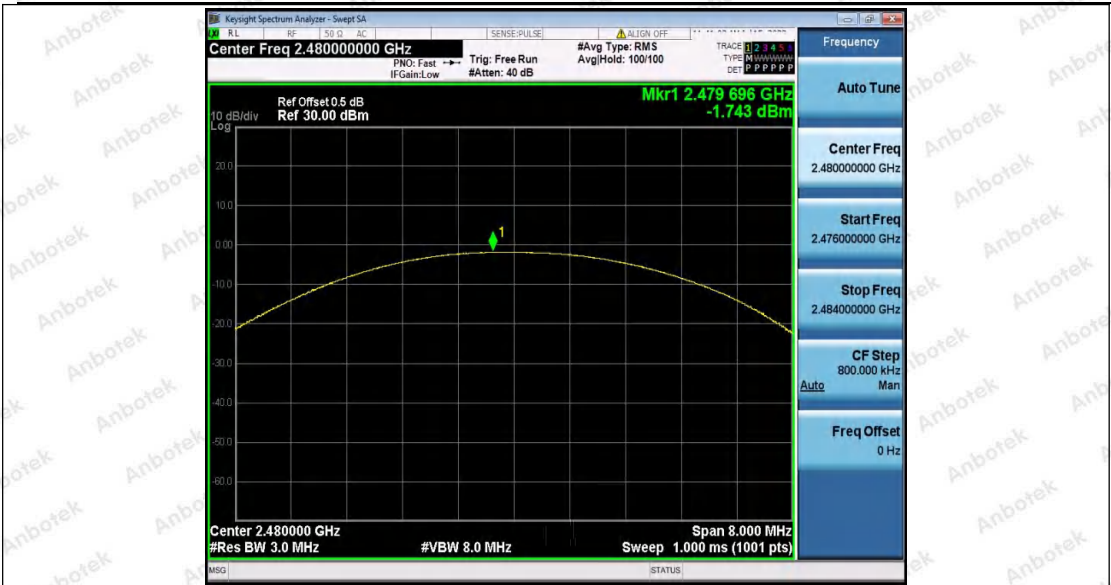


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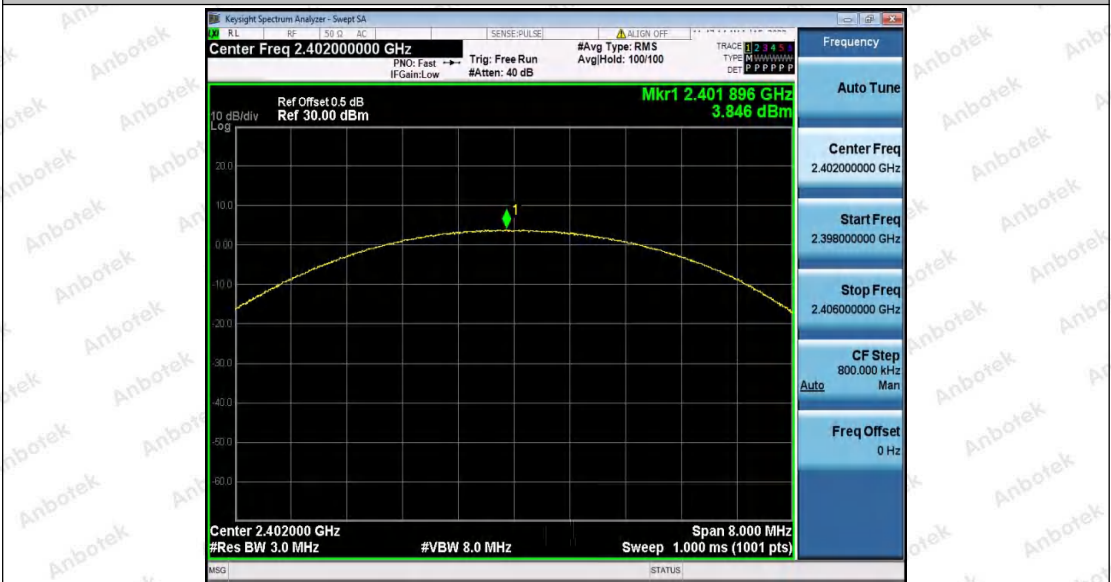
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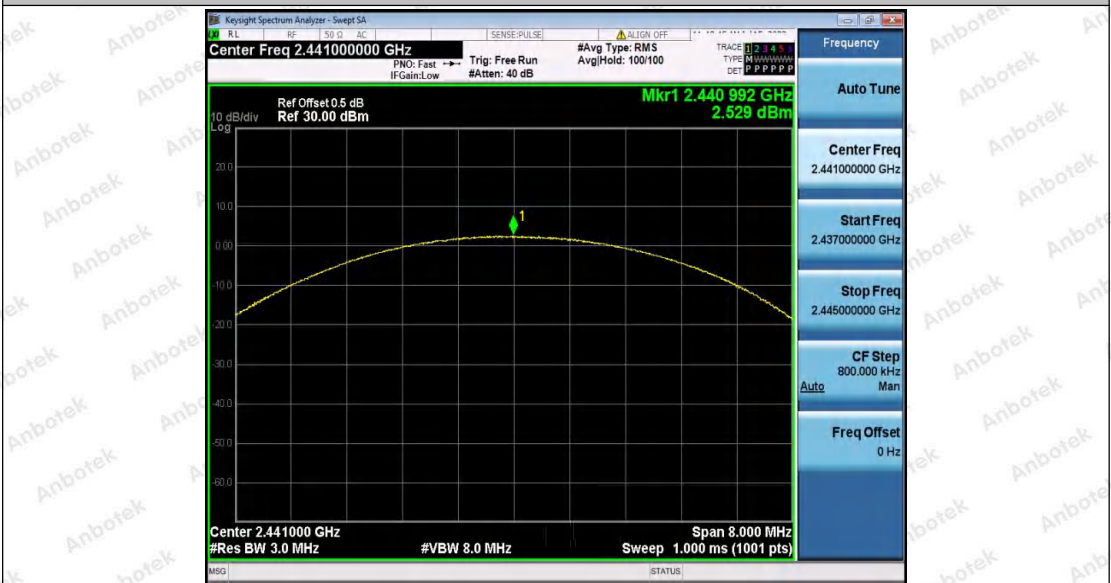
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2DH5\_Ant1\_2402



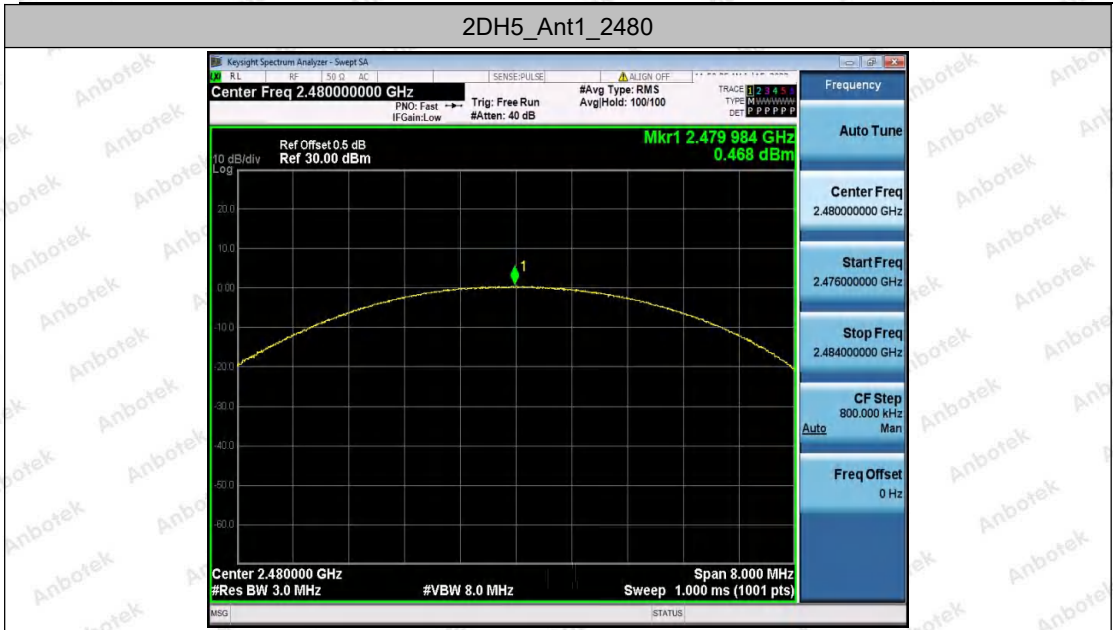
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## Appendix D: Carrier frequency separation

### Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.81	≥0.632	PASS
2DH5	Ant1	Hop	0.998	≥0.884	PASS

## Test Graphs



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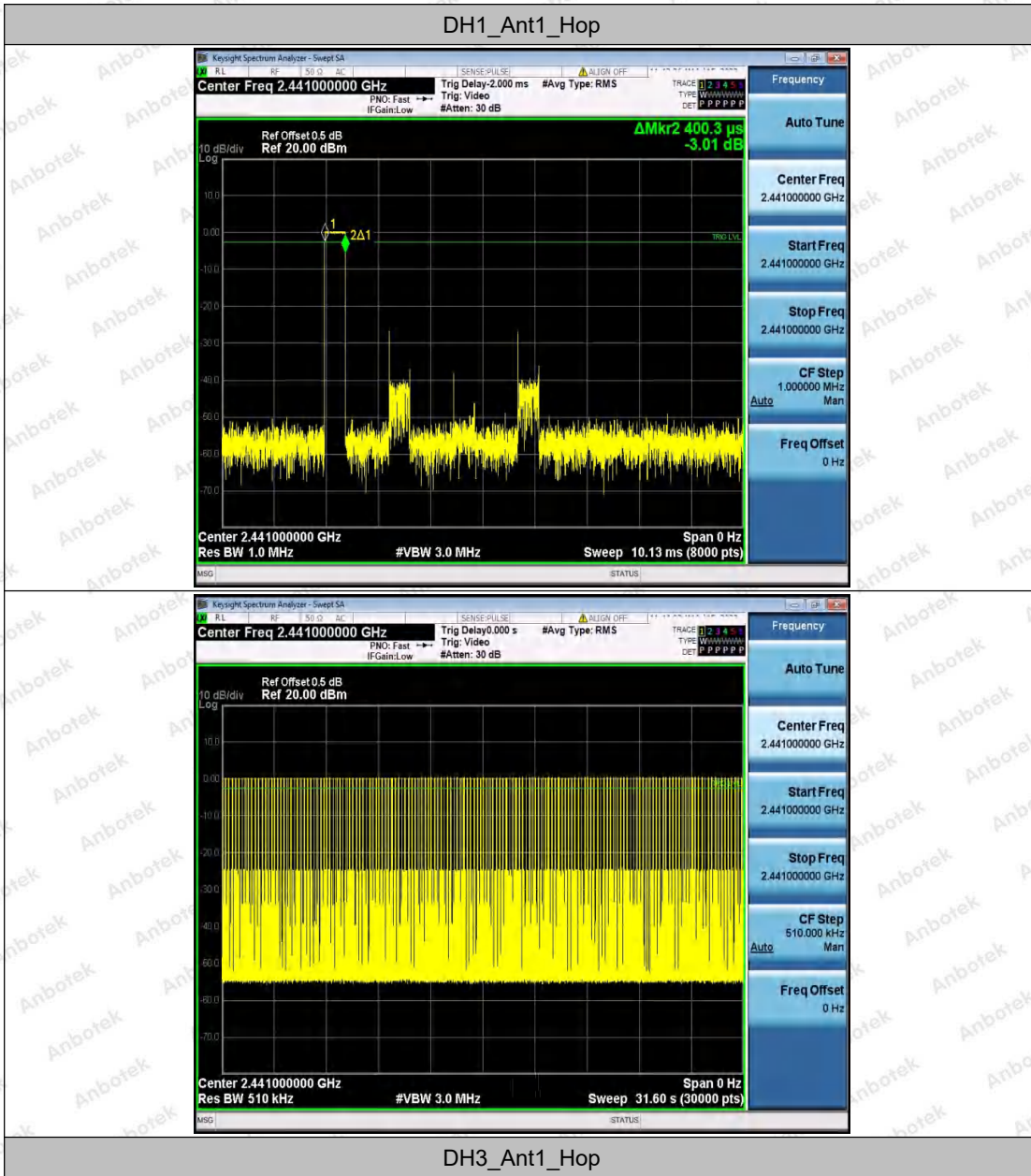
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## Appendix E: Time of occupancy

### Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.40	316	0.126	≤0.4	PASS
DH3	Ant1	Hop	1.66	154	0.255	≤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	162	0.269	≤0.4	PASS
2DH5	Ant1	Hop	2.91	115	0.335	≤0.4	PASS

## Test Graphs



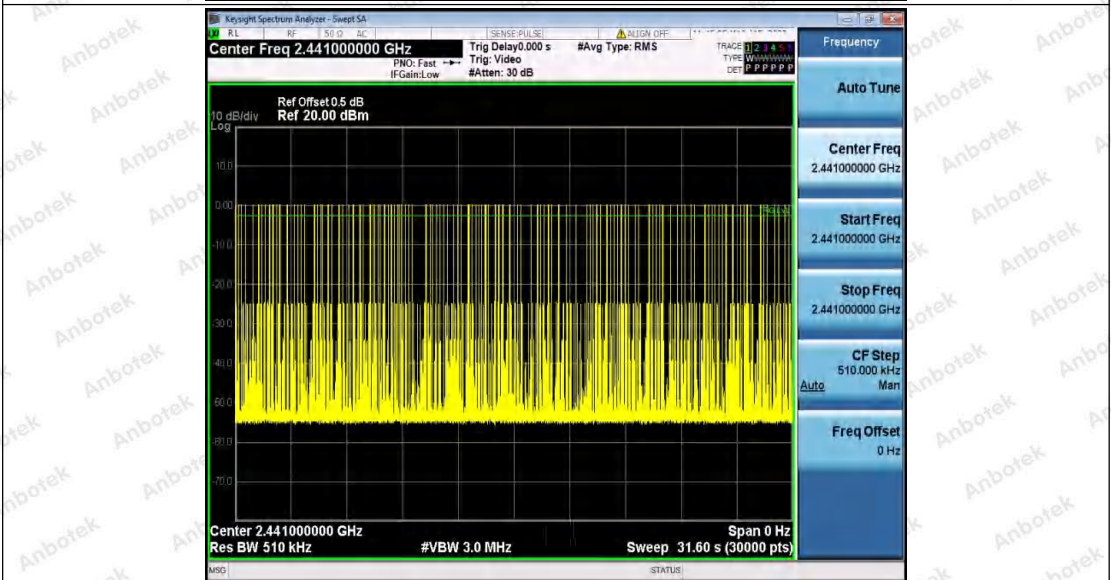
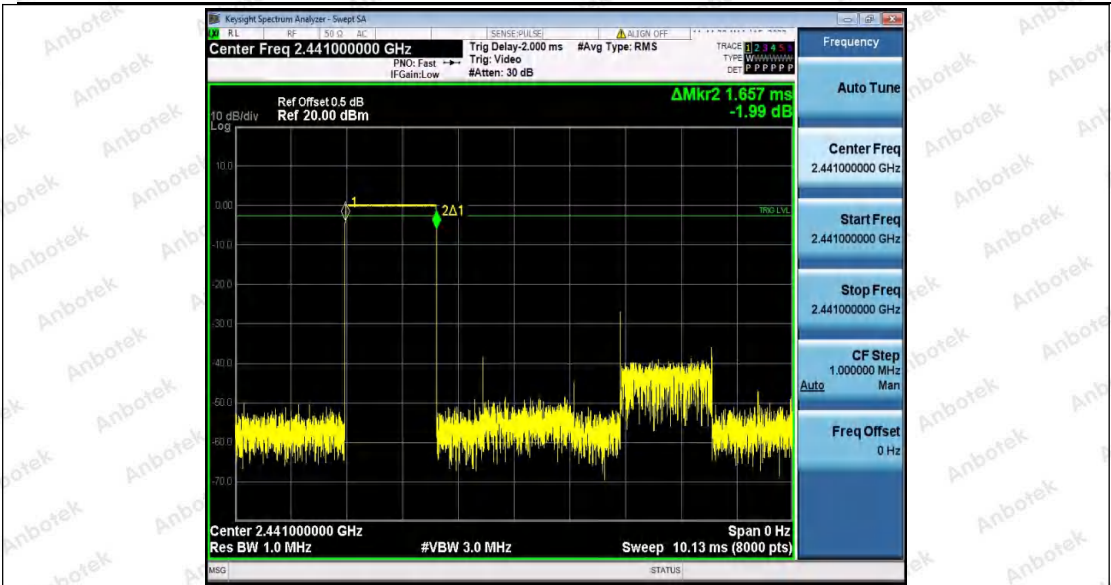
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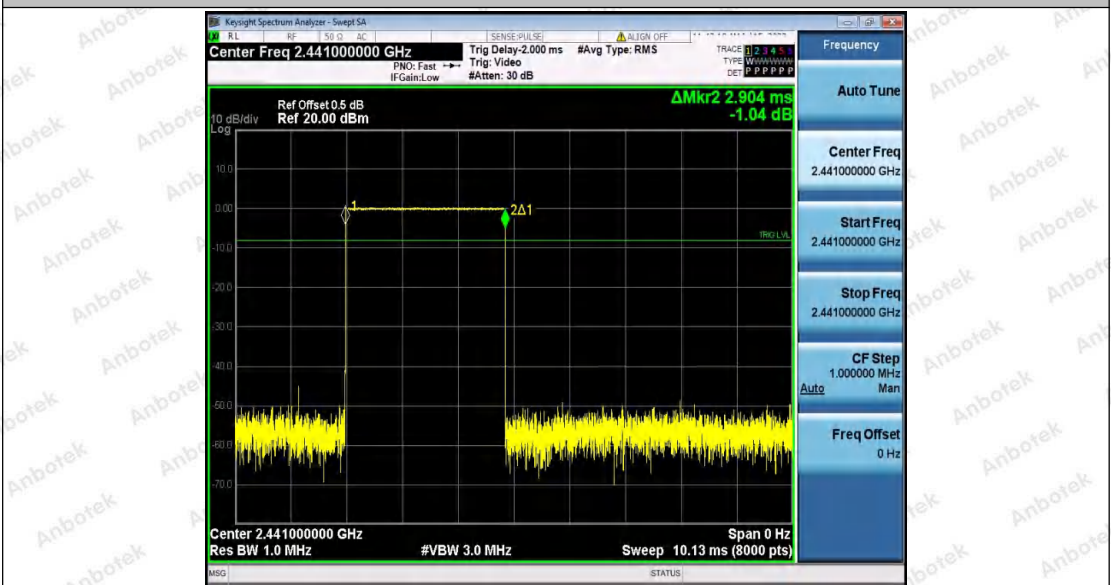
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DH5\_Ant1\_Hop

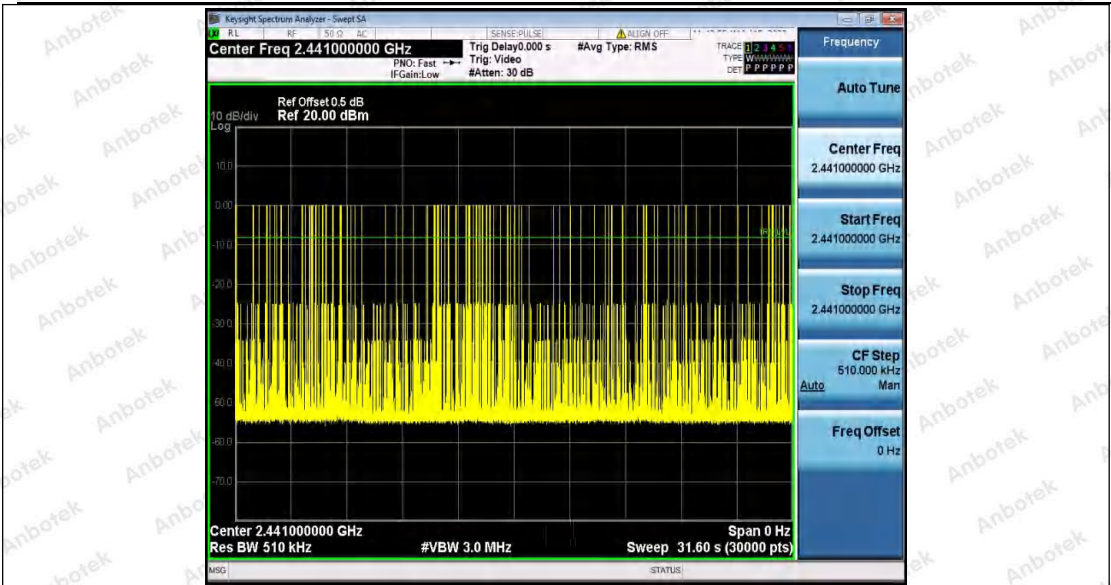


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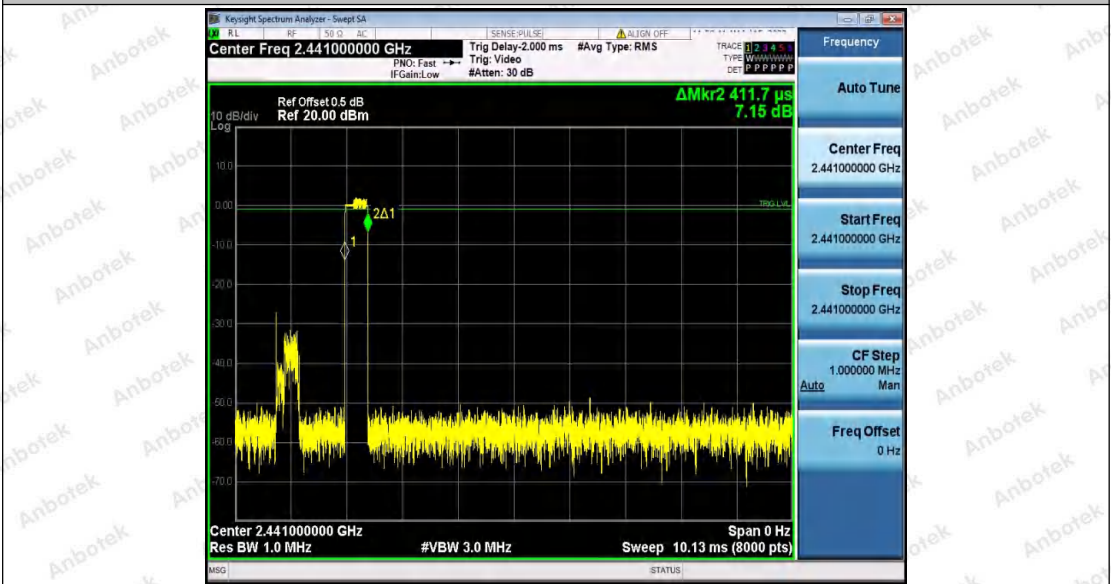
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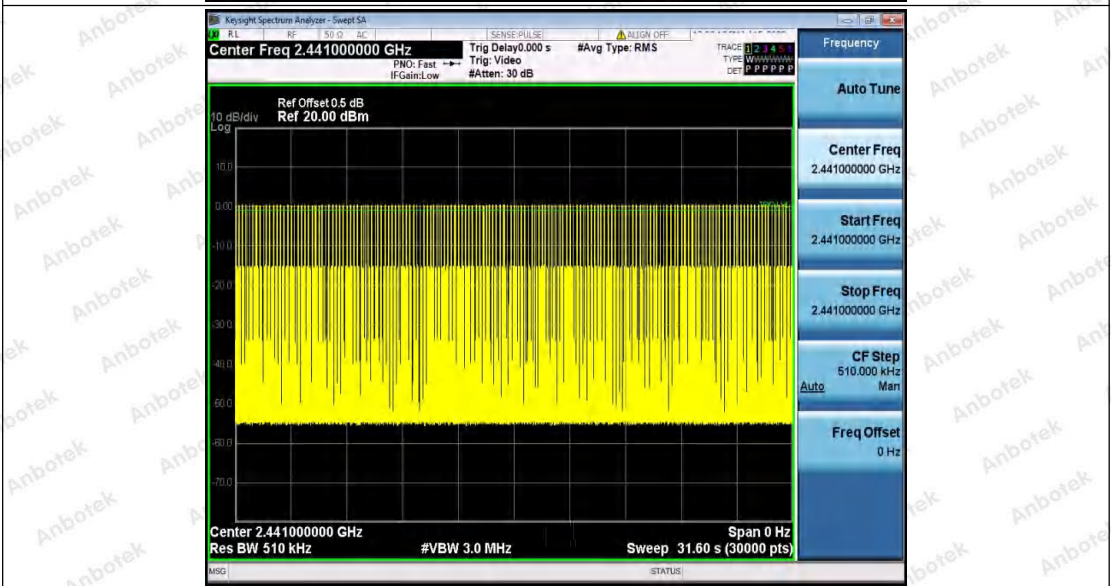
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2DH1\_Ant1\_Hop



2DH3\_Ant1\_Hop

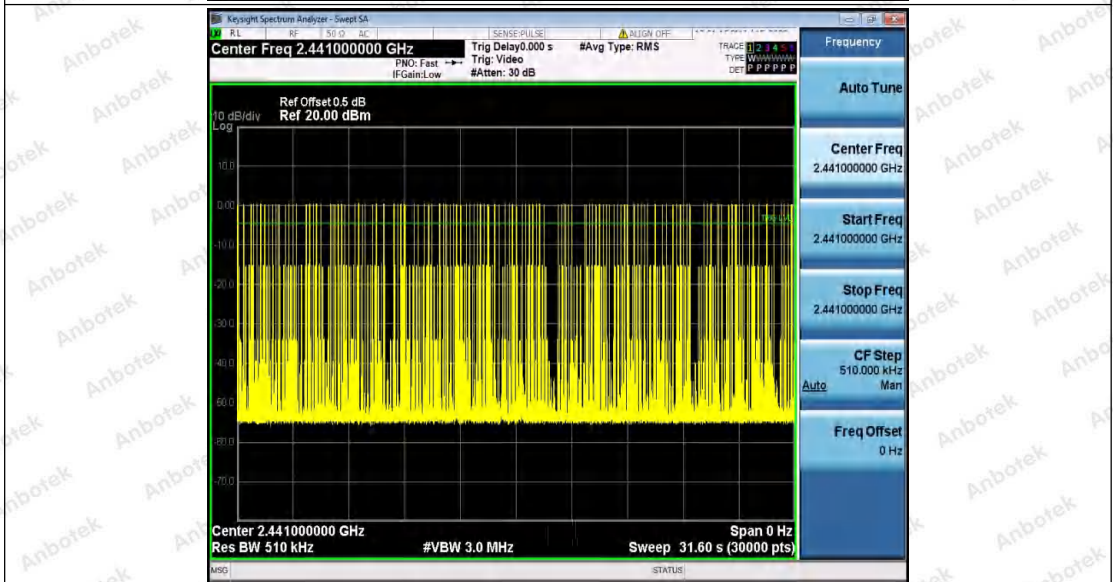
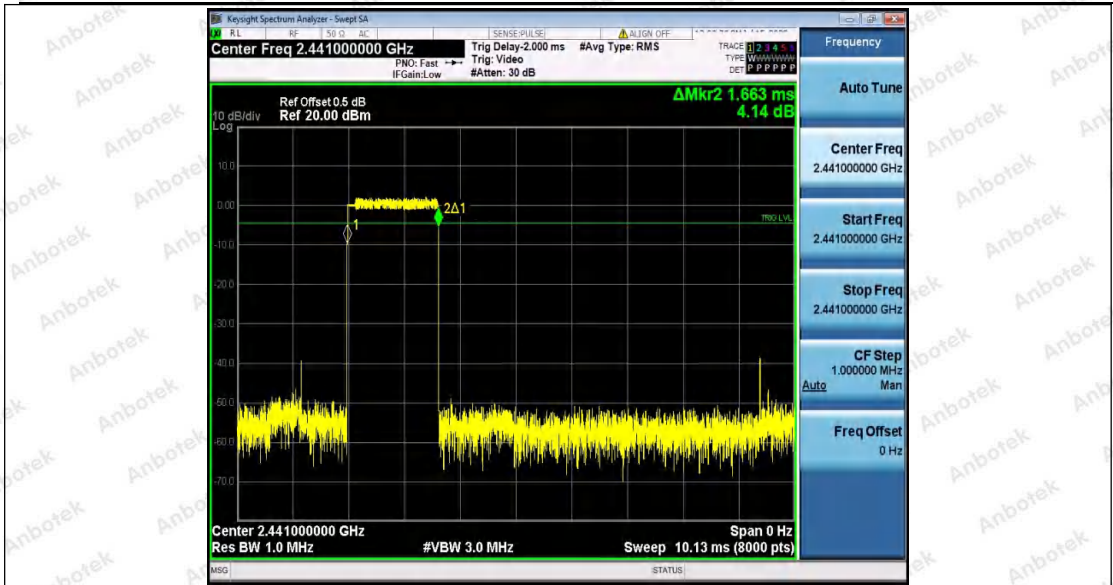


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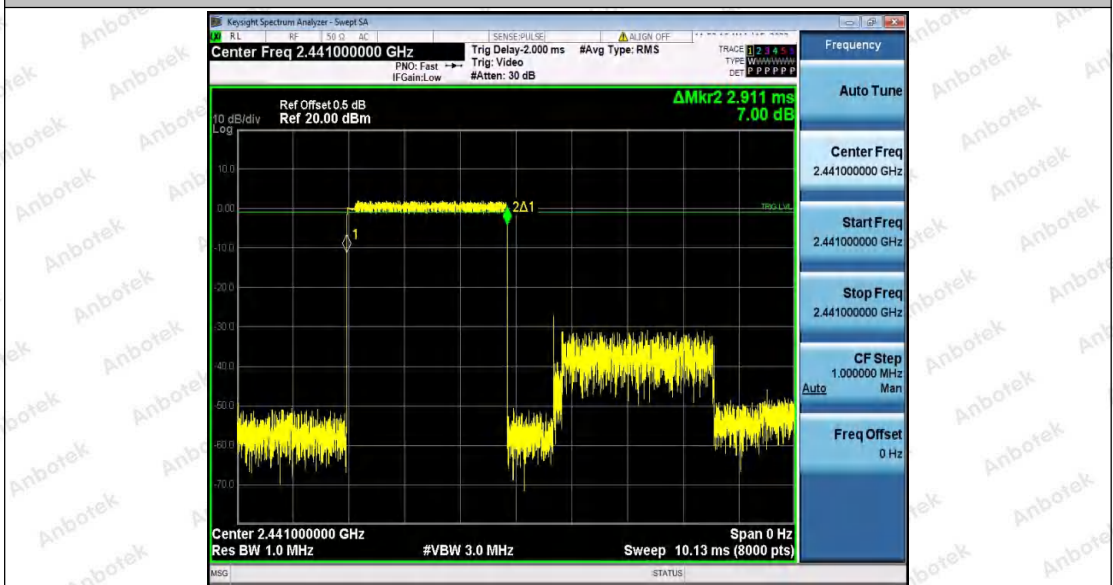
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2DH5\_Ant1\_Hop

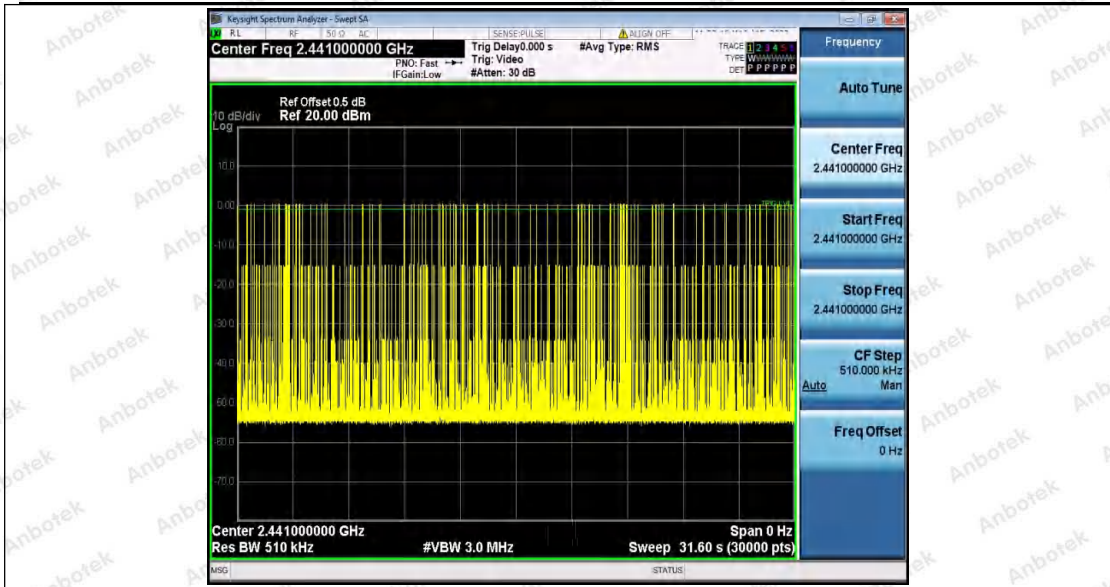


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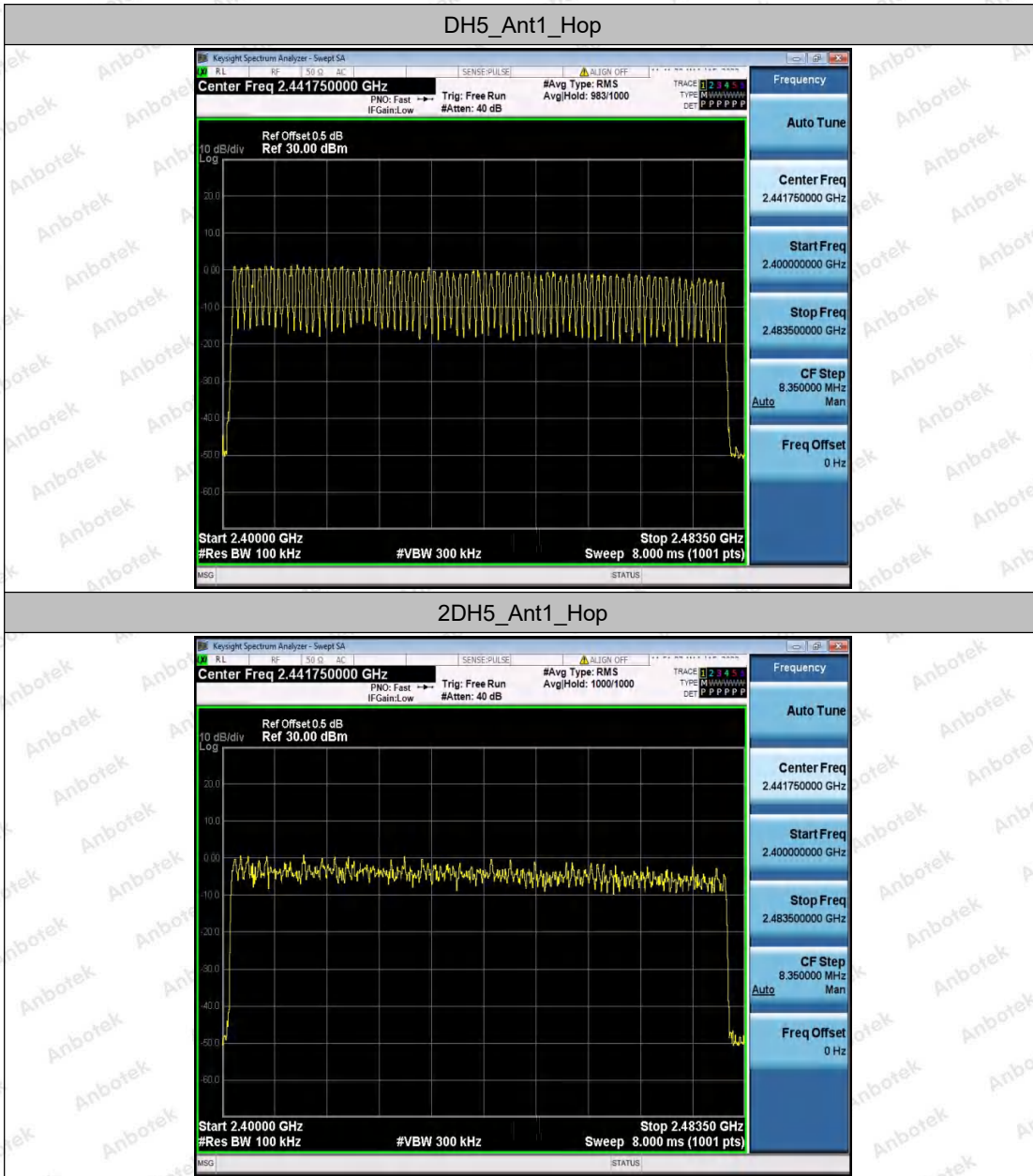
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## Appendix F: Number of hopping channels

### Test Result

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

## Test Graphs



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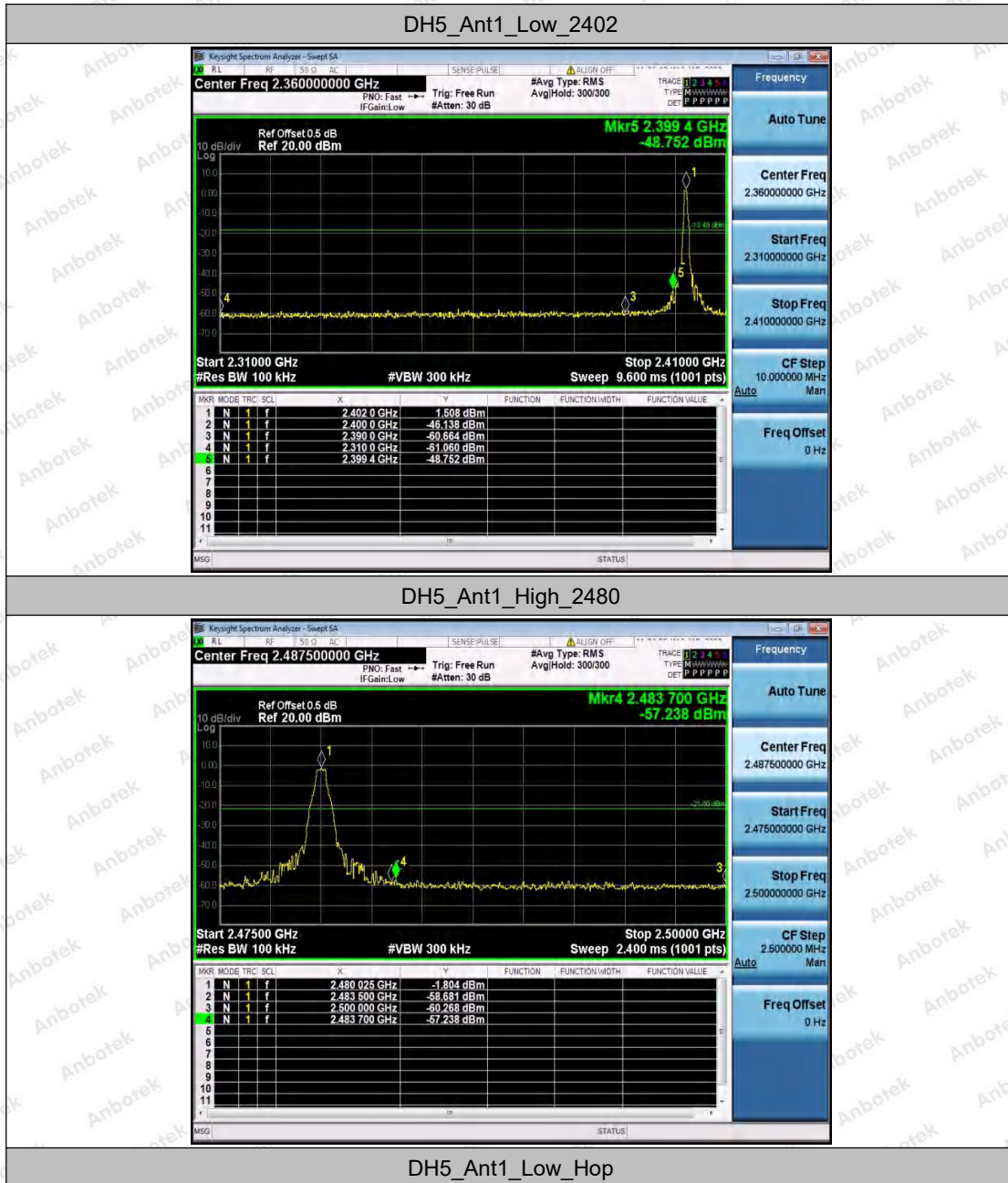
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## Appendix G: Band edge measurements

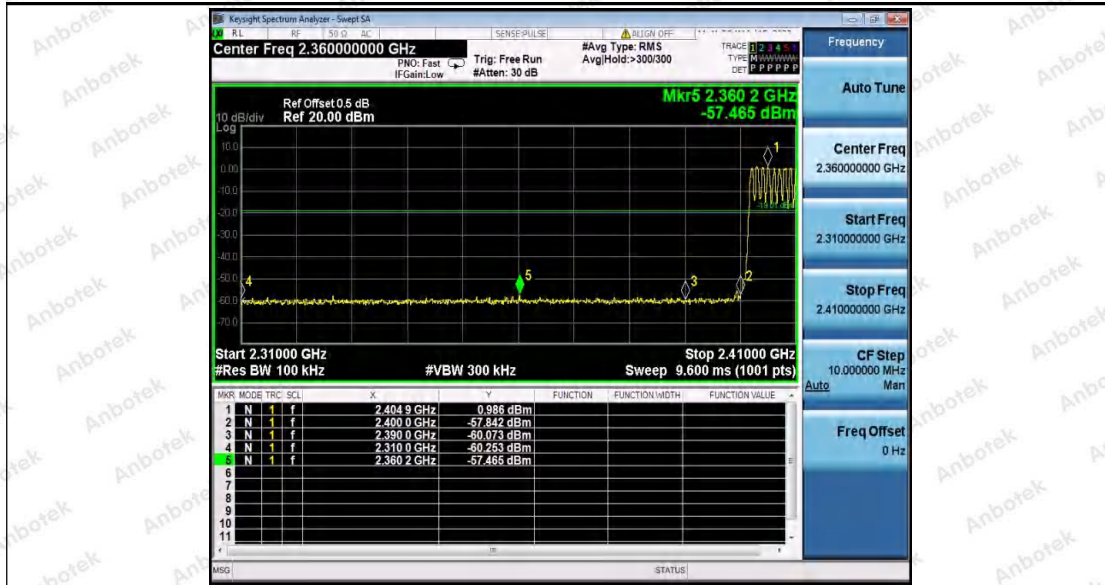
### Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	1.51	-48.75	≤-18.49	PASS
		High	2480	-1.80	-57.24	≤-21.8	PASS
		Low	Hop	0.99	-57.47	≤-19.01	PASS
		High	Hop	-1.83	-60.93	≤-21.83	PASS
2DH5	Ant1	Low	2402	1.35	-48.62	≤-18.65	PASS
		High	2480	-1.75	-57.4	≤-21.75	PASS
		Low	Hop	0.56	-58.31	≤-19.44	PASS
		High	Hop	-2.21	-60.98	≤-22.21	PASS

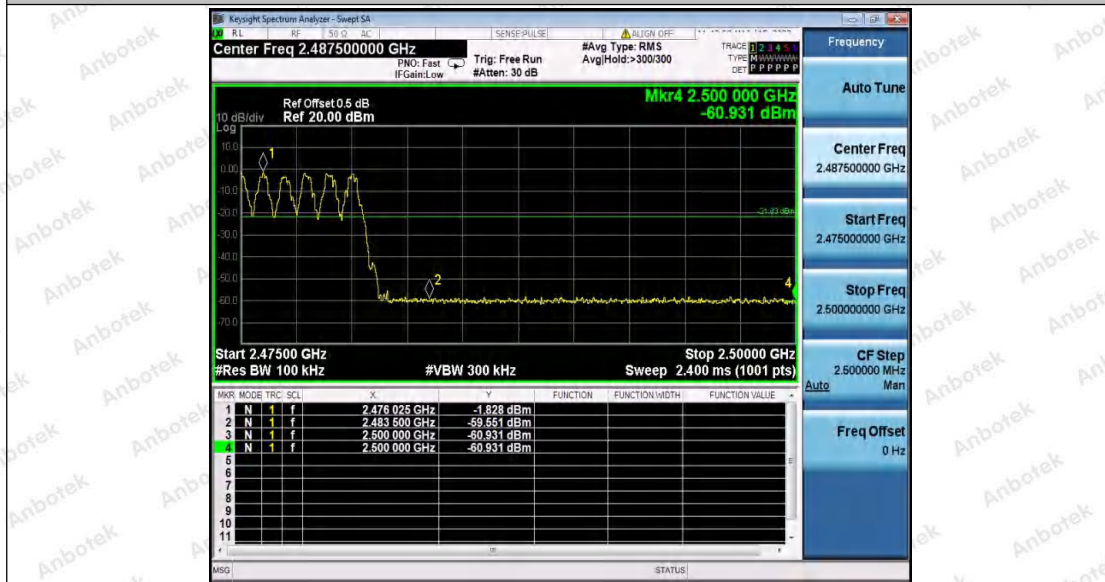
## Test Graphs



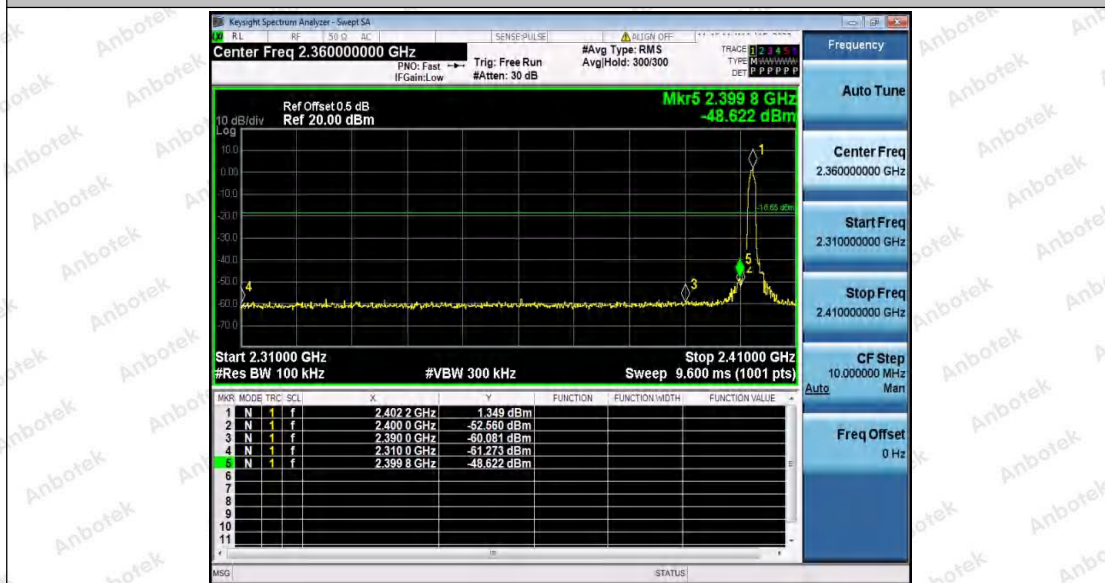




DH5\_Ant1\_High\_Hop



2DH5\_Ant1\_Low\_2402

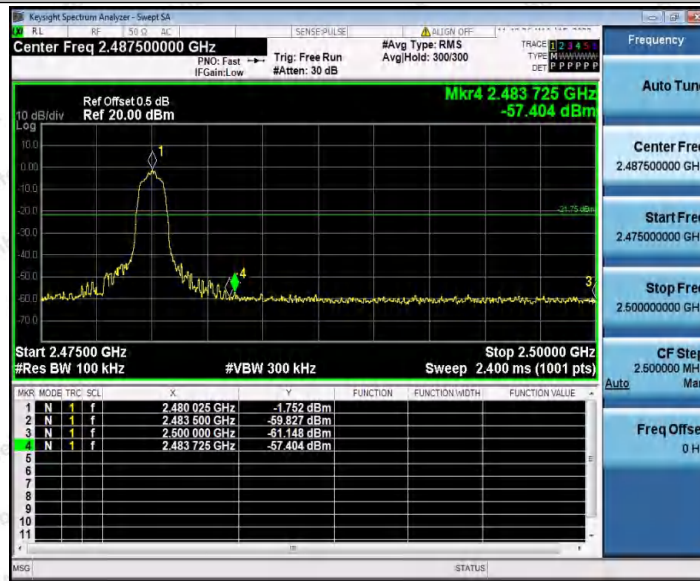


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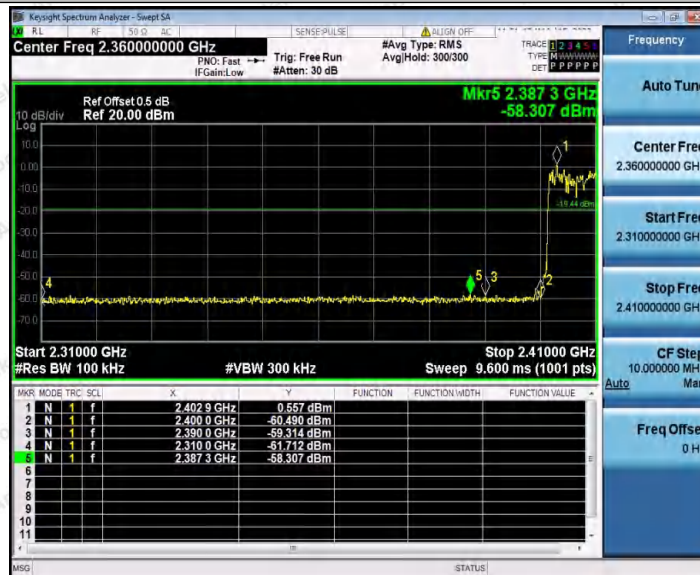
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2DH5\_Ant1\_High\_2480



2DH5\_Ant1\_Low\_Hop



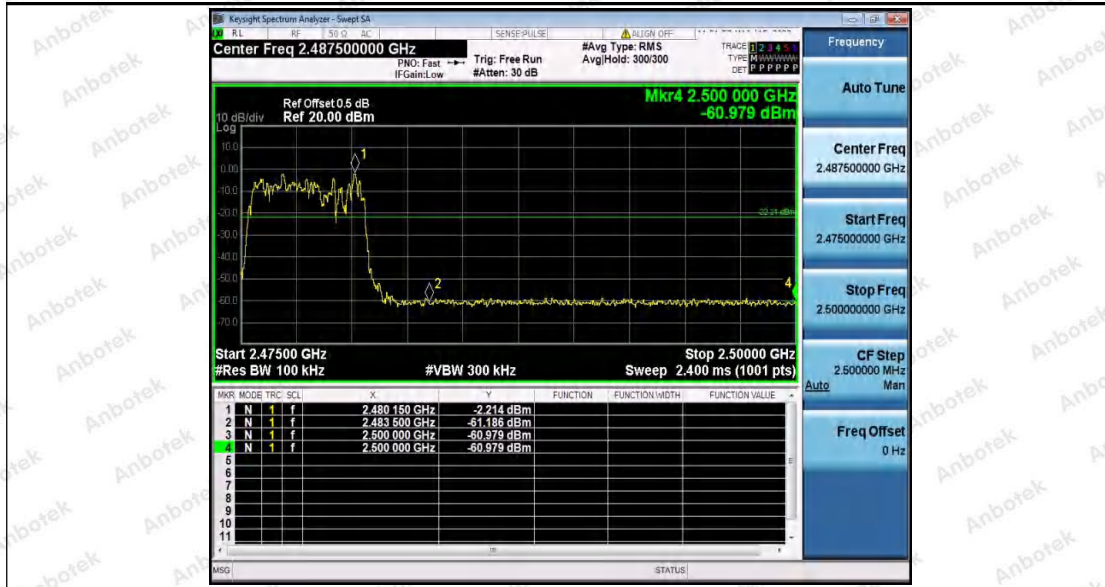
2DH5\_Ant1\_High\_Hop

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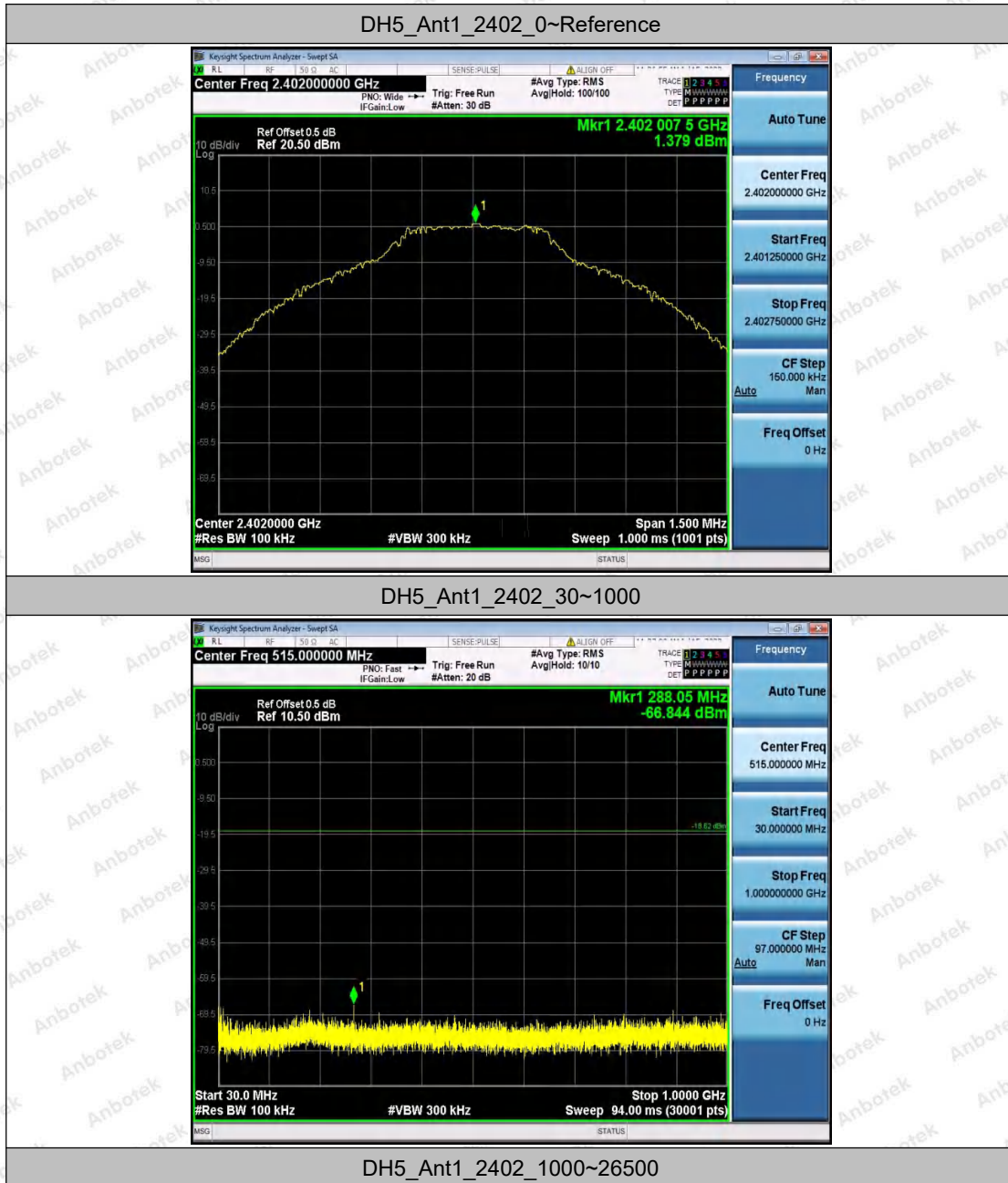
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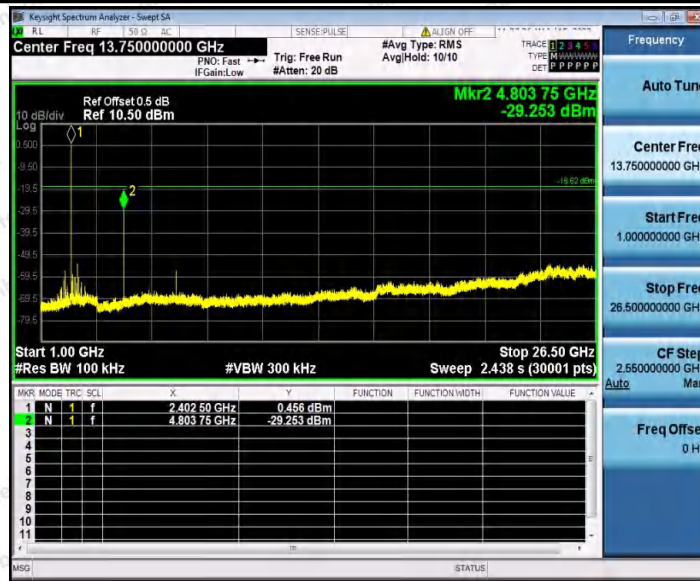
## Appendix H: Conducted Spurious Emission

### Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	1.38	1.38	---	PASS
			30~1000	1.38	-66.84	≤-18.62	PASS
			1000~26500	1.38	-29.25	≤-18.62	PASS
		2441	Reference	-0.07	-0.07	---	PASS
			30~1000	-0.07	-64.93	≤-20.07	PASS
			1000~26500	-0.07	-29.4	≤-20.07	PASS
		2480	Reference	-2.08	-2.08	---	PASS
			30~1000	-2.08	-66.15	≤-22.08	PASS
			1000~26500	-2.08	-32.07	≤-22.08	PASS
2DH5	Ant1	2402	Reference	1.44	1.44	---	PASS
			30~1000	1.44	-65.83	≤-18.56	PASS
			1000~26500	1.44	-31.25	≤-18.56	PASS
		2441	Reference	-0.67	-0.67	---	PASS
			30~1000	-0.67	-66.3	≤-20.67	PASS
			1000~26500	-0.67	-34.22	≤-20.67	PASS
		2480	Reference	-1.93	-1.93	---	PASS
			30~1000	-1.93	-64.79	≤-21.93	PASS
			1000~26500	-1.93	-34.39	≤-21.93	PASS

## Test Graphs

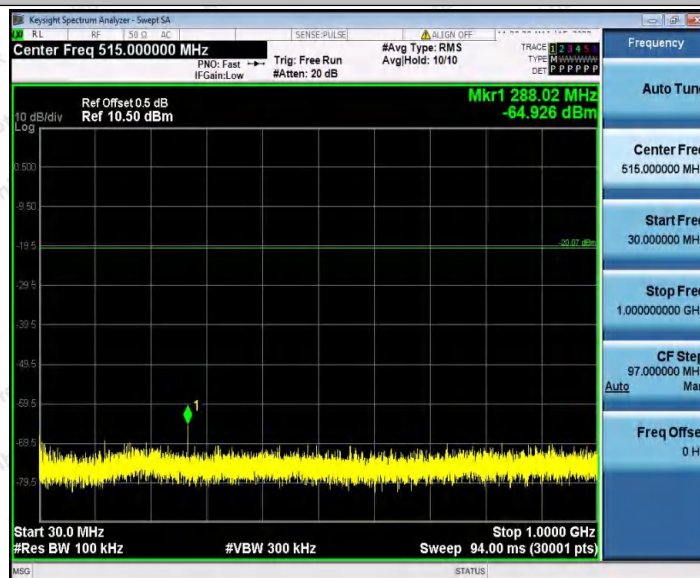




DH5\_Ant1\_2441\_0~Reference



DH5\_Ant1\_2441\_30~1000

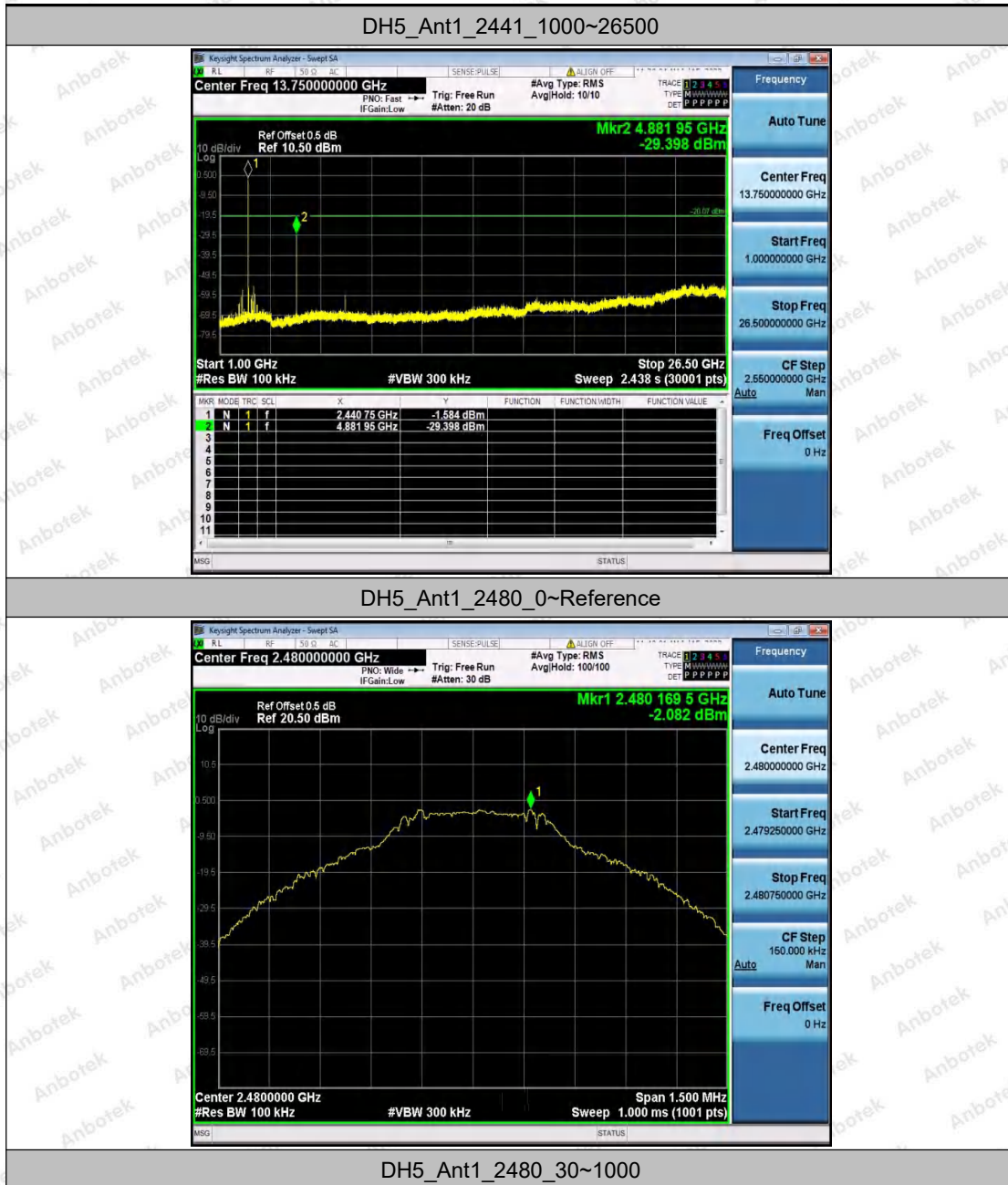


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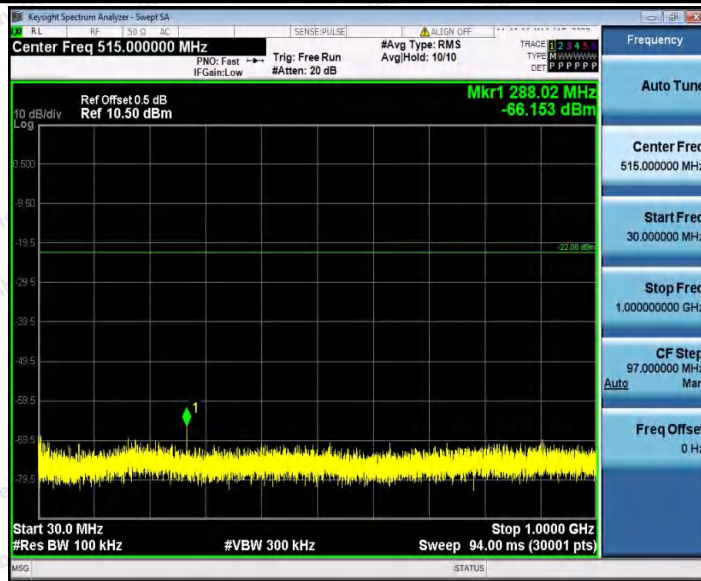
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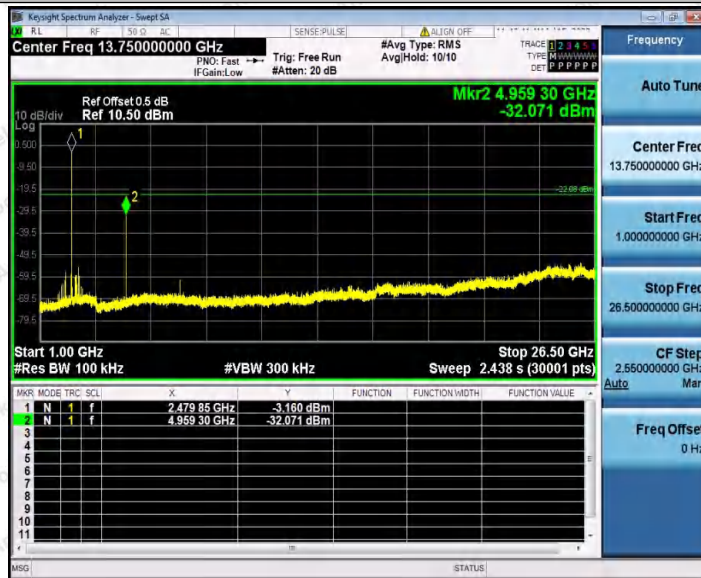
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DH5\_Ant1\_2480\_1000~26500



2DH5\_Ant1\_2402\_0~Reference

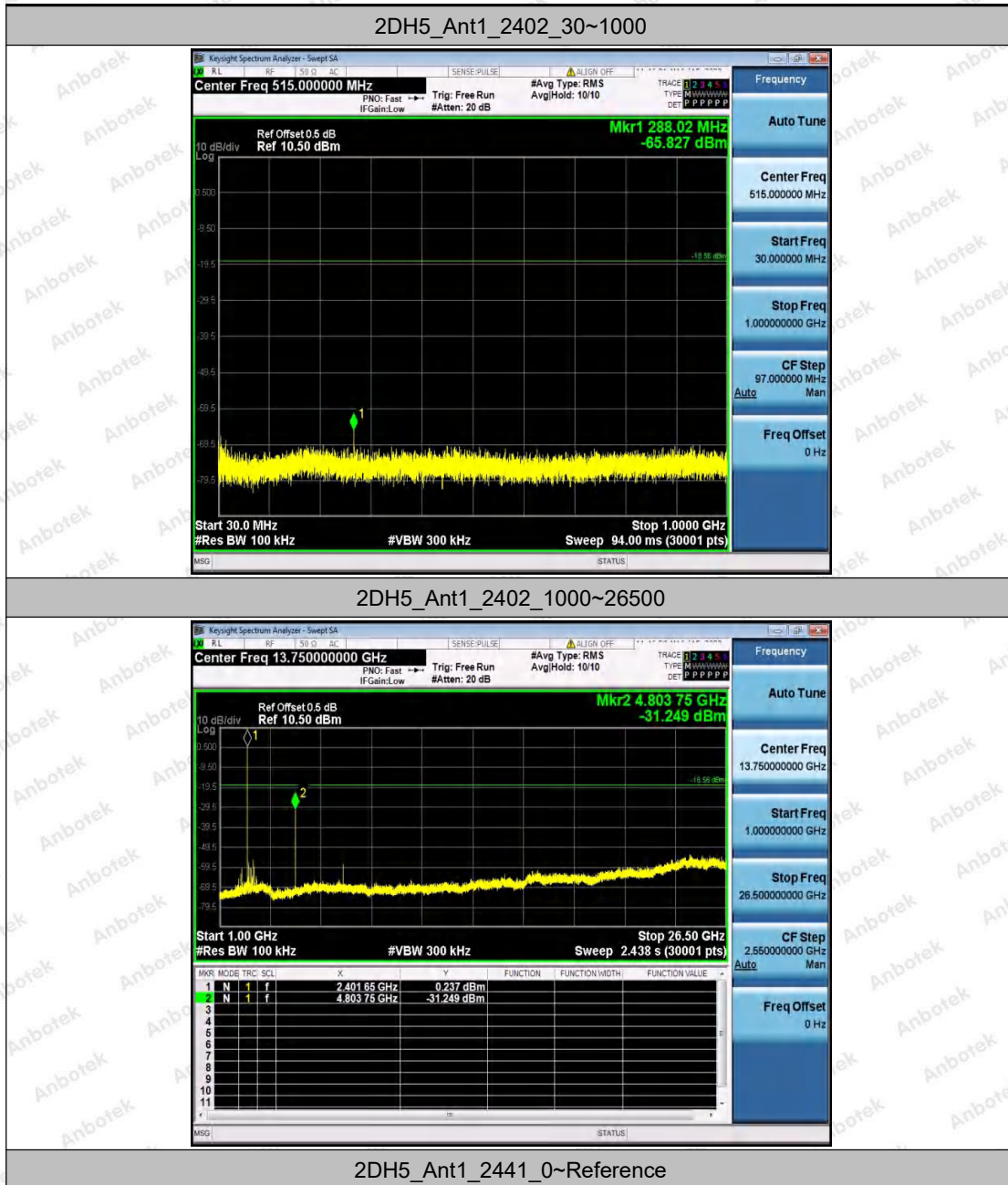


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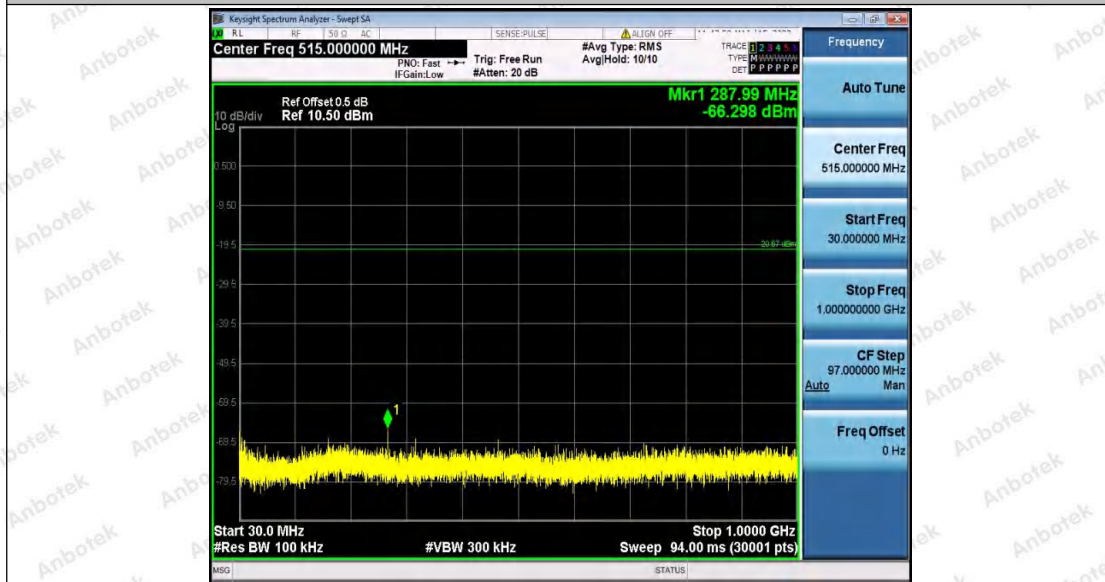
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Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

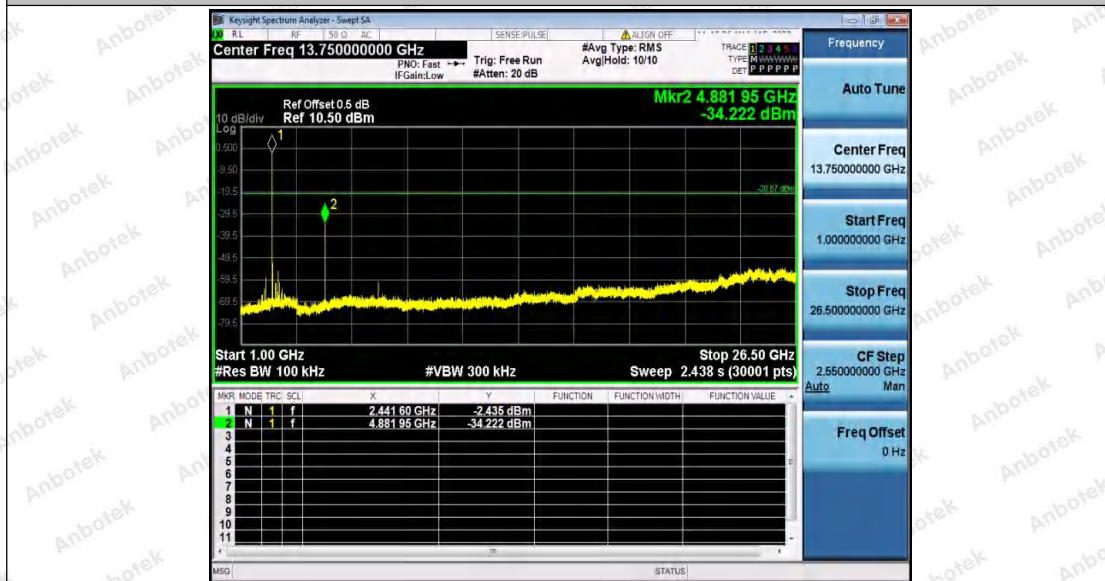
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2DH5\_Ant1\_2441\_30~1000



2DH5\_Ant1\_2441\_1000~26500

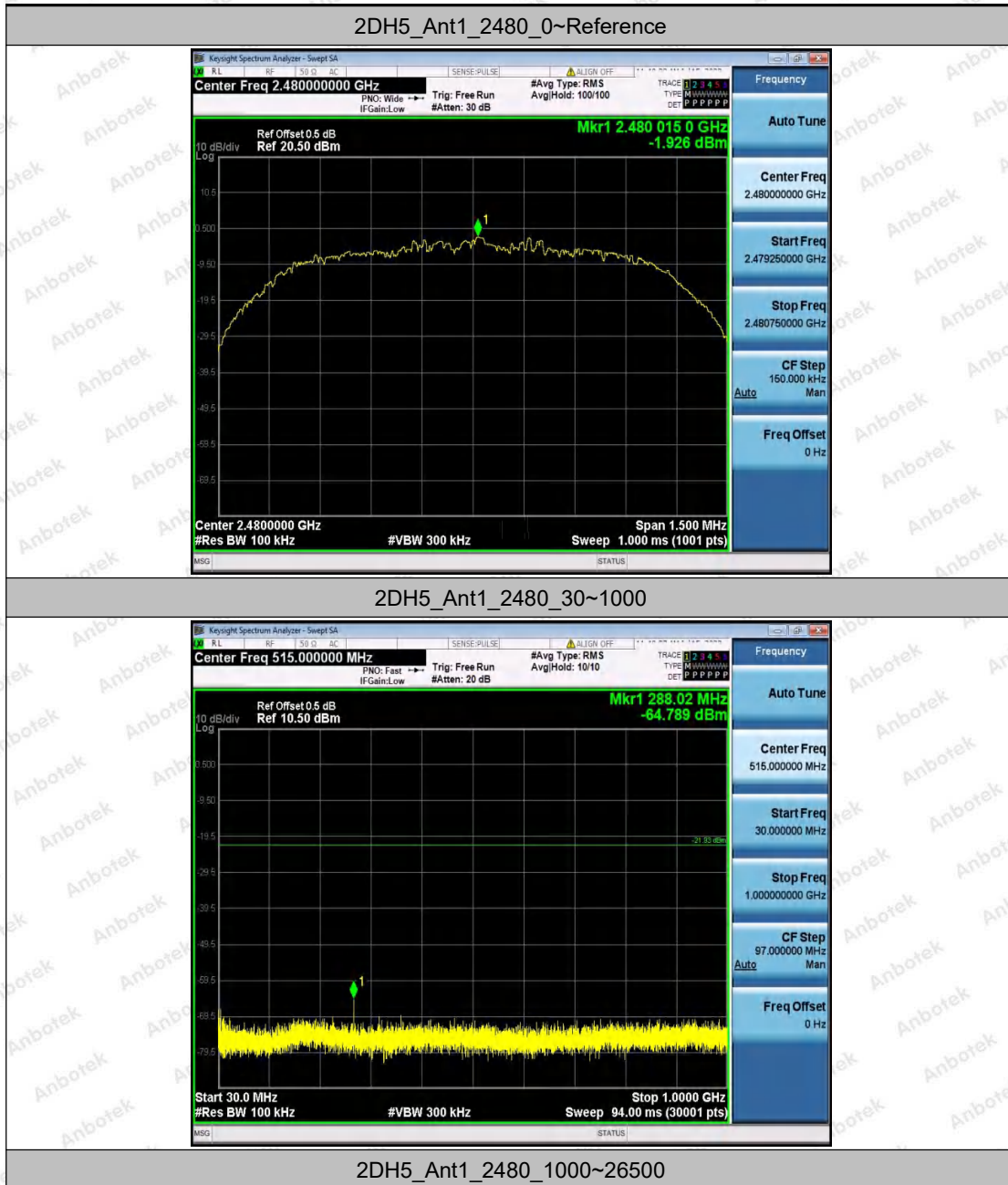


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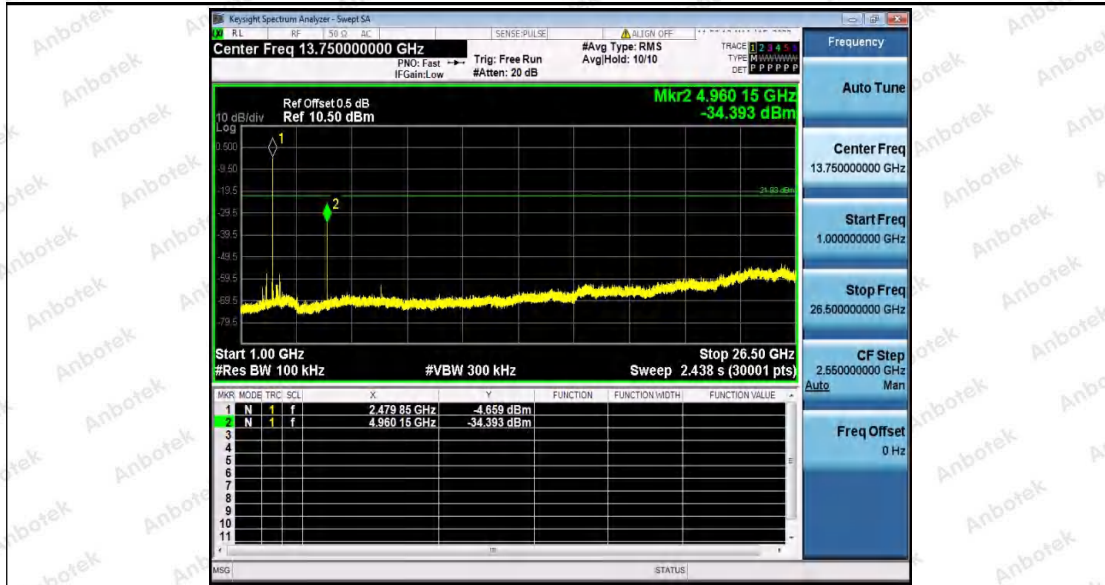


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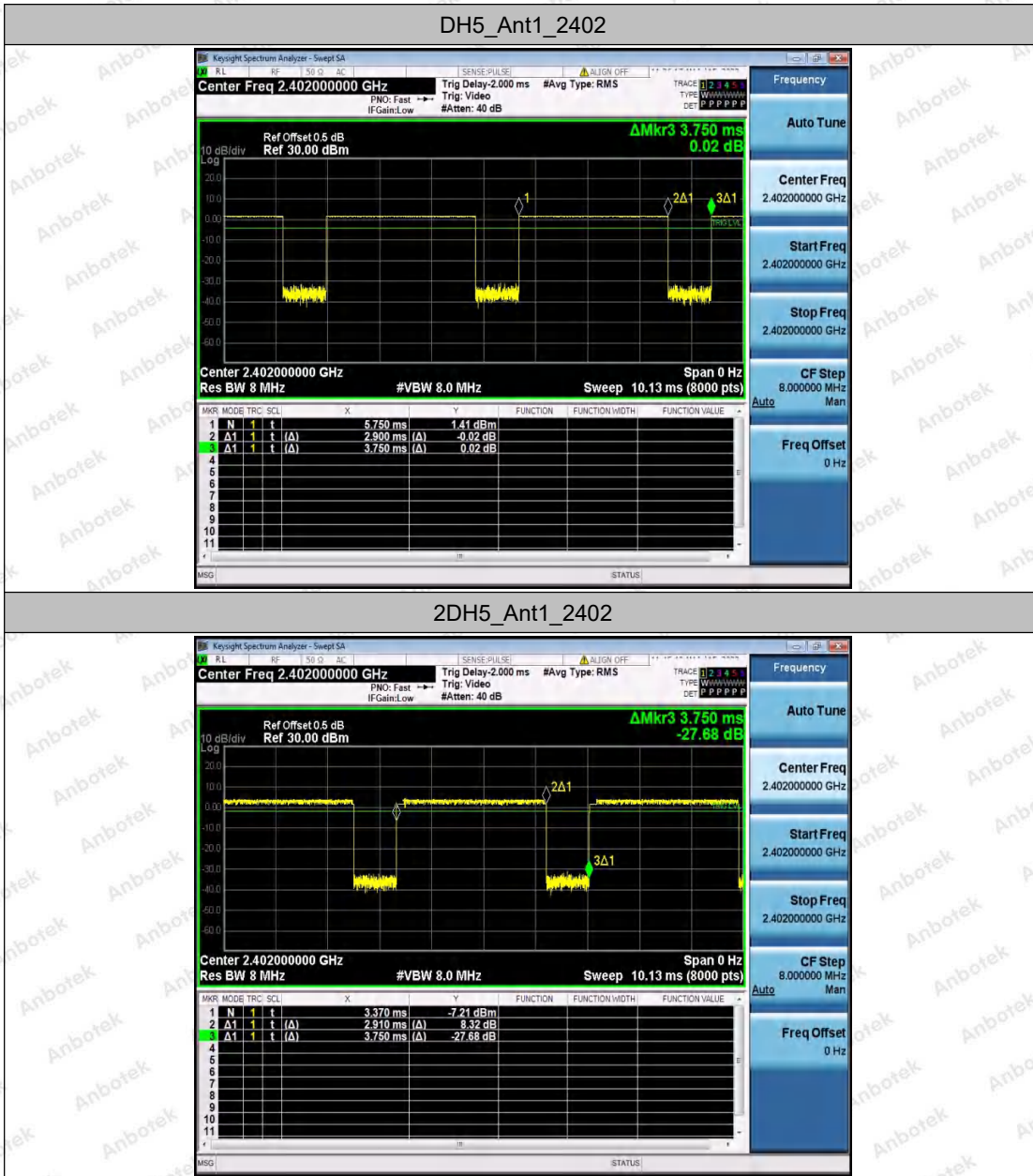
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## Appendix I: Duty Cycle

### Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
DH5	Ant1	2402	2.90	3.75	0.773 3	77.33	1.12	---	PASS
2DH5	Ant1	2402	2.91	3.75	0.776 0	77.60	1.10	---	PASS

## Test Graphs



---End---