

## Appendix Test Data

Project No.:	18220WC101747	Test Date:	2021.8.4
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	Relative Humidity:	56.8 %
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	0.888	2401.529	2402.417	---	PASS
		2441	0.870	2440.529	2441.399	---	PASS
		2480	0.885	2479.535	2480.420	---	PASS
2DH5	Ant1	2402	1.314	2401.328	2402.642	---	PASS
		2441	1.329	2440.322	2441.651	---	PASS
		2480	1.260	2479.355	2480.615	---	PASS

## Test Graphs



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2DH5\_Ant1\_2402



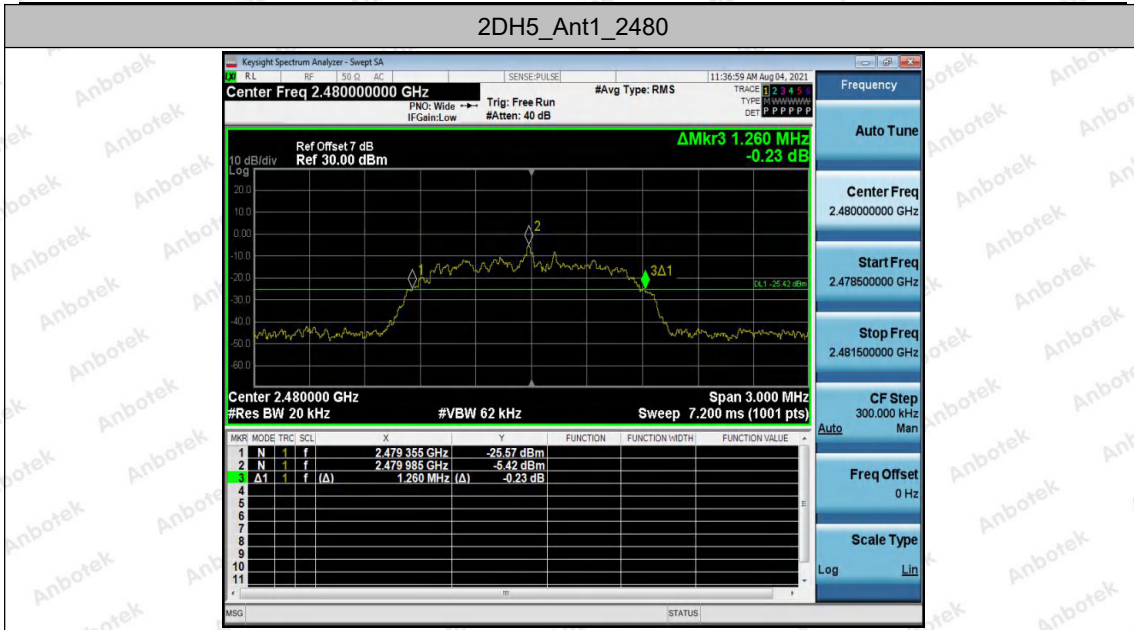
2DH5\_Ant1\_2441



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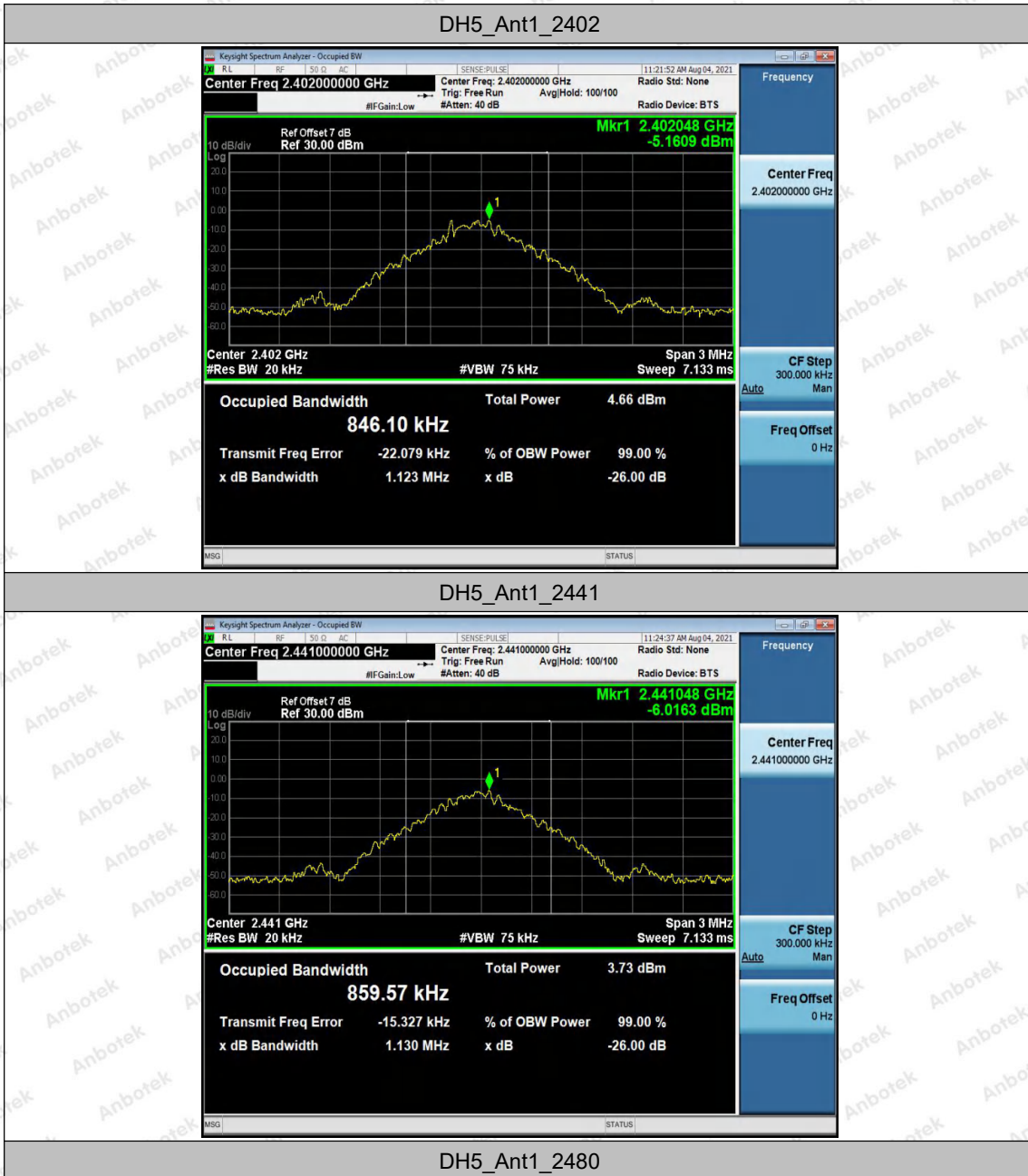
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## Appendix B: Occupied Channel Bandwidth

### Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.84610	2401.555	2402.401	---	PASS
		2441	0.85957	2440.555	2441.414	---	PASS
		2480	0.86022	2479.551	2480.411	---	PASS
2DH5	Ant1	2402	1.1944	2401.386	2402.581	---	PASS
		2441	1.2043	2440.383	2441.588	---	PASS
		2480	1.1989	2479.385	2480.584	---	PASS

## Test Graphs



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2DH5\_Ant1\_2402



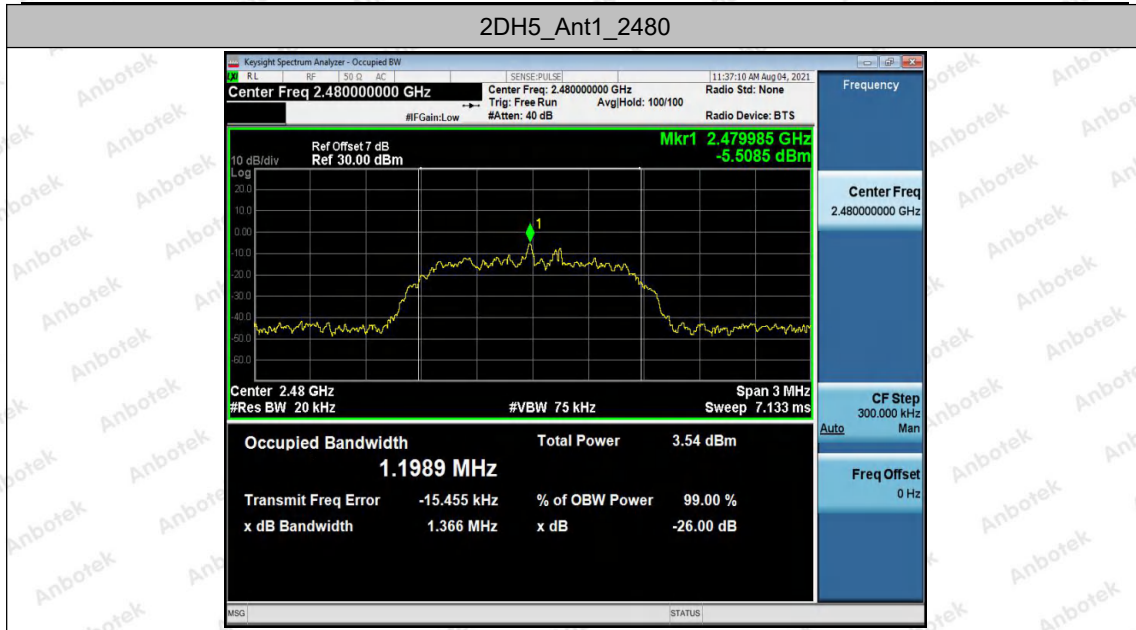
2DH5\_Ant1\_2441



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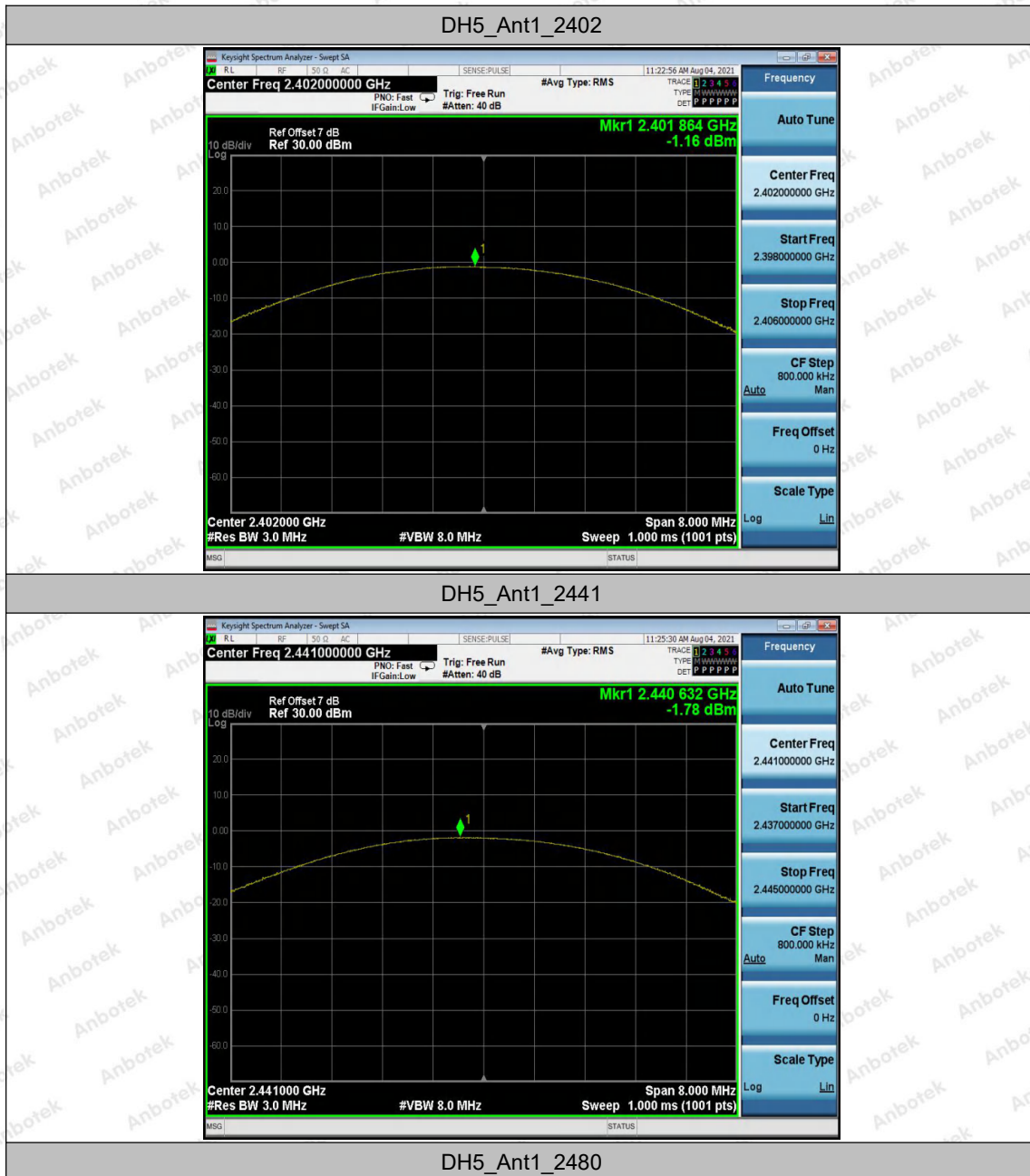


## Appendix C: Maximum conducted output power

### Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	-1.16	<=20.97	PASS
		2441	-1.78	<=20.97	PASS
		2480	-1.74	<=20.97	PASS
2DH5	Ant1	2402	-0.51	<=20.97	PASS
		2441	-1.35	<=20.97	PASS
		2480	-1.25	<=20.97	PASS

## Test Graphs



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2DH5\_Ant1\_2402



2DH5\_Ant1\_2441

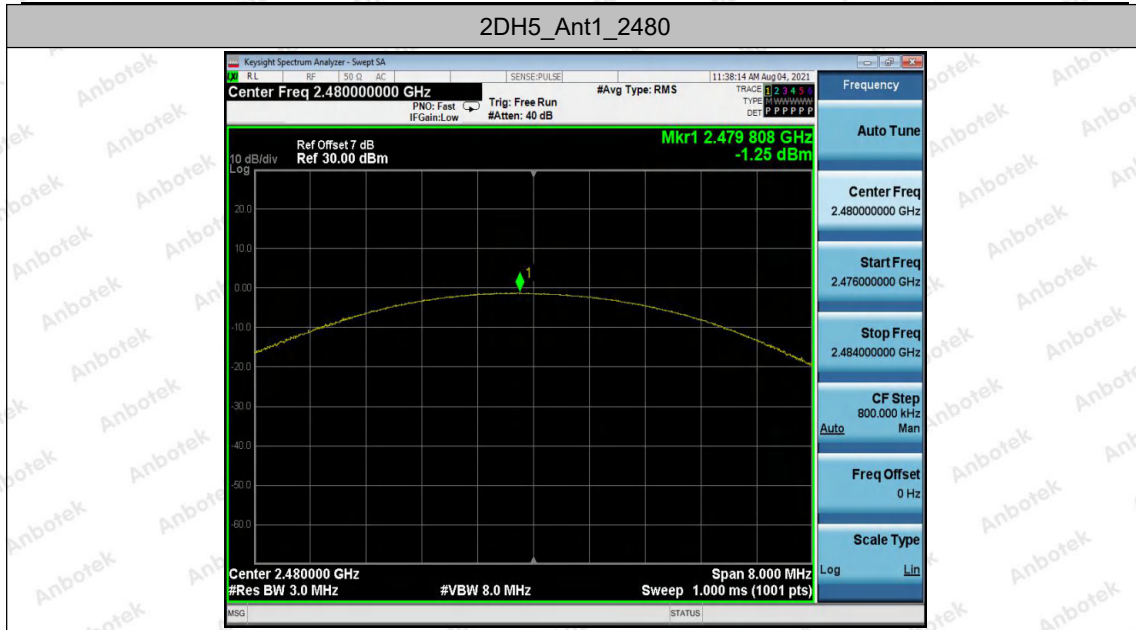


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## Appendix D: Carrier frequency separation

### Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.03	$\geq 0.888$	PASS
2DH5	Ant1	Hop	0.998	$\geq 0.886$	PASS

## Test Graphs



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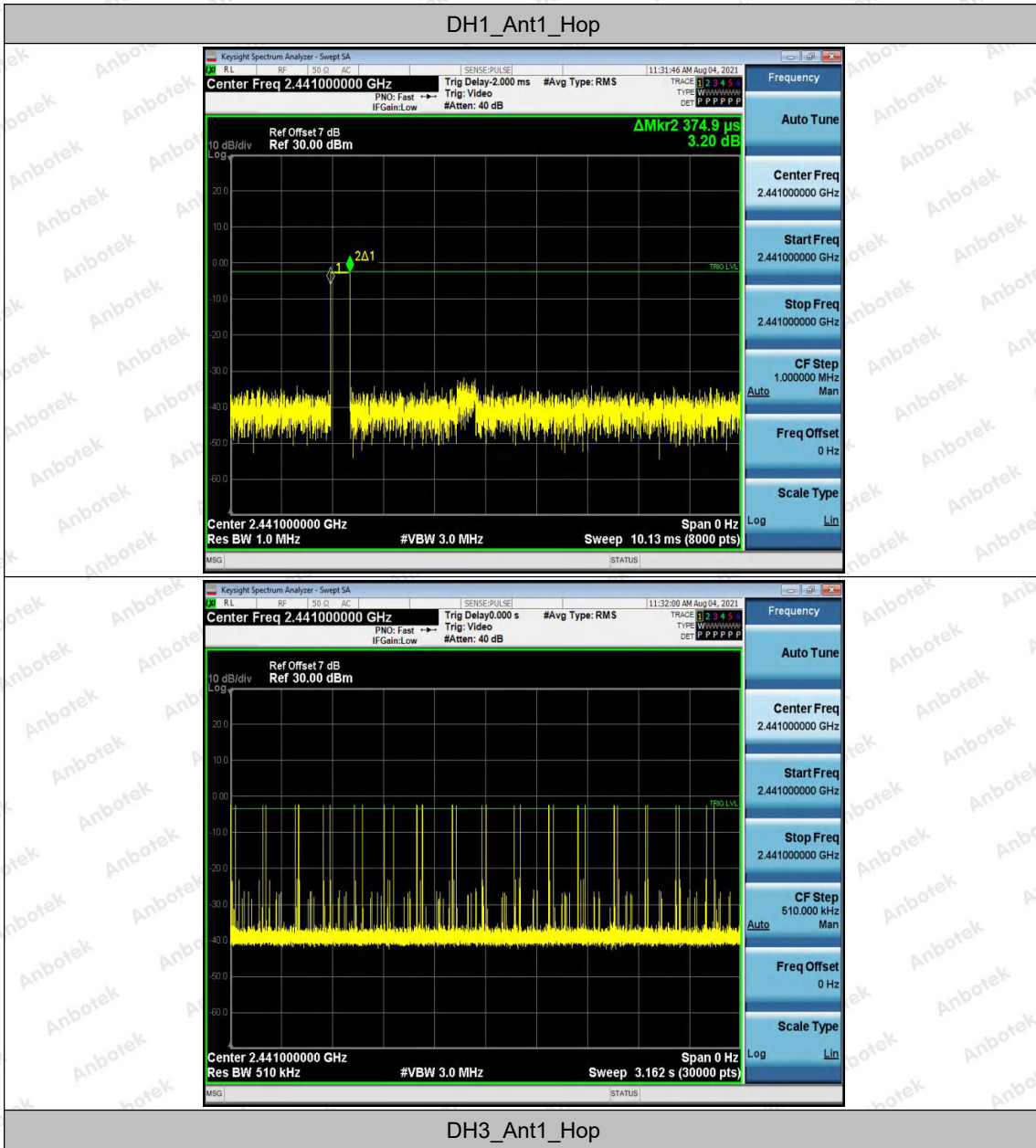
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## Appendix E: Time of occupancy

### Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.37	330	0.124	<=0.4	PASS
DH3	Ant1	Hop	1.63	140	0.228	<=0.4	PASS
DH5	Ant1	Hop	2.88	70	0.201	<=0.4	PASS
2DH1	Ant1	Hop	0.39	330	0.127	<=0.4	PASS
2DH3	Ant1	Hop	1.64	160	0.262	<=0.4	PASS
2DH5	Ant1	Hop	2.88	80	0.231	<=0.4	PASS

## Test Graphs



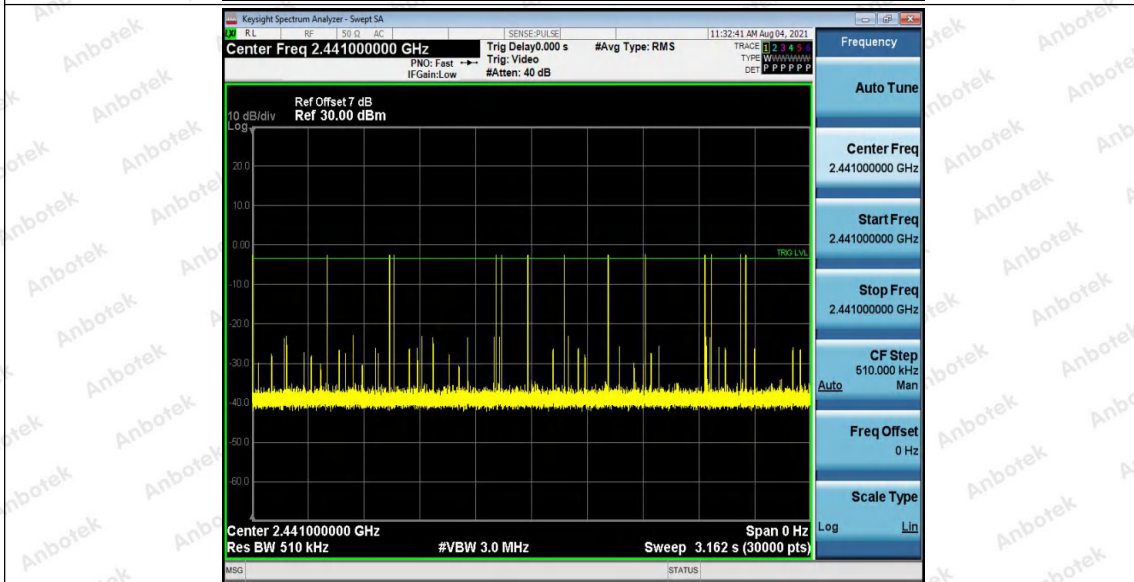
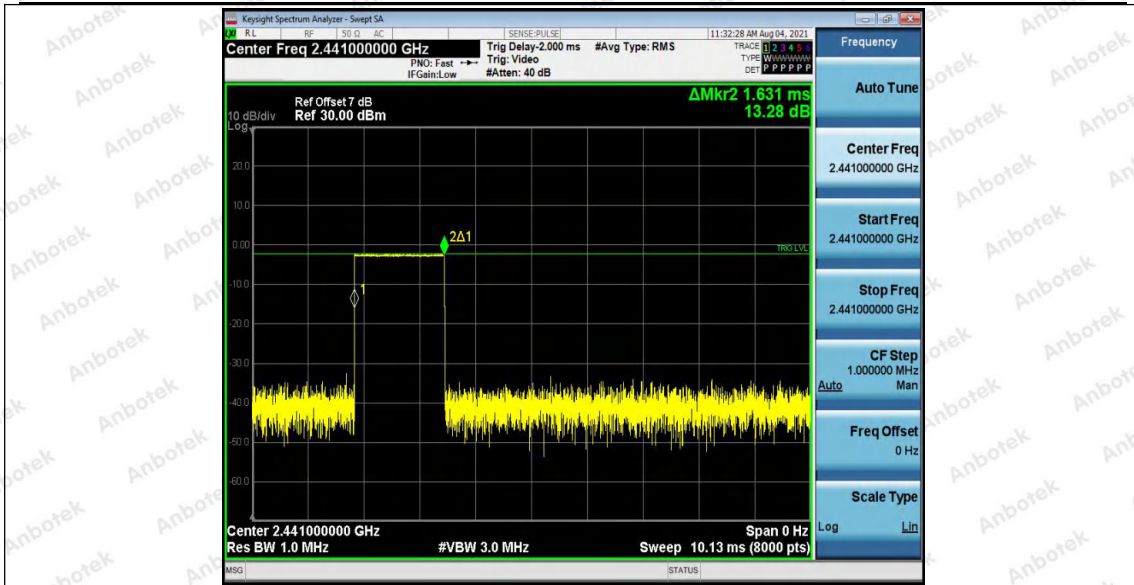
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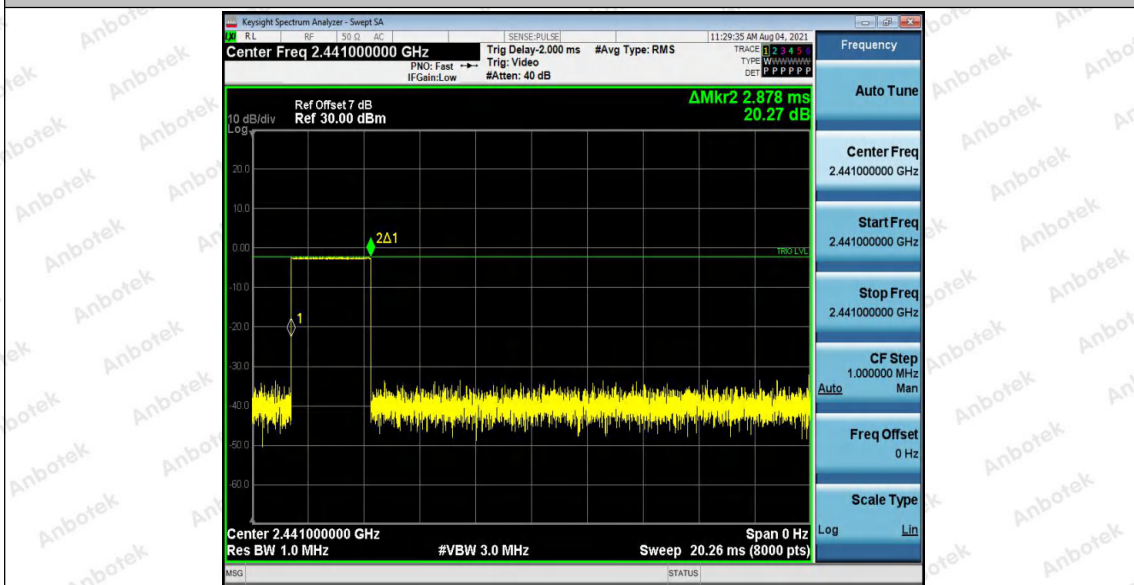
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DH5\_Ant1\_Hop

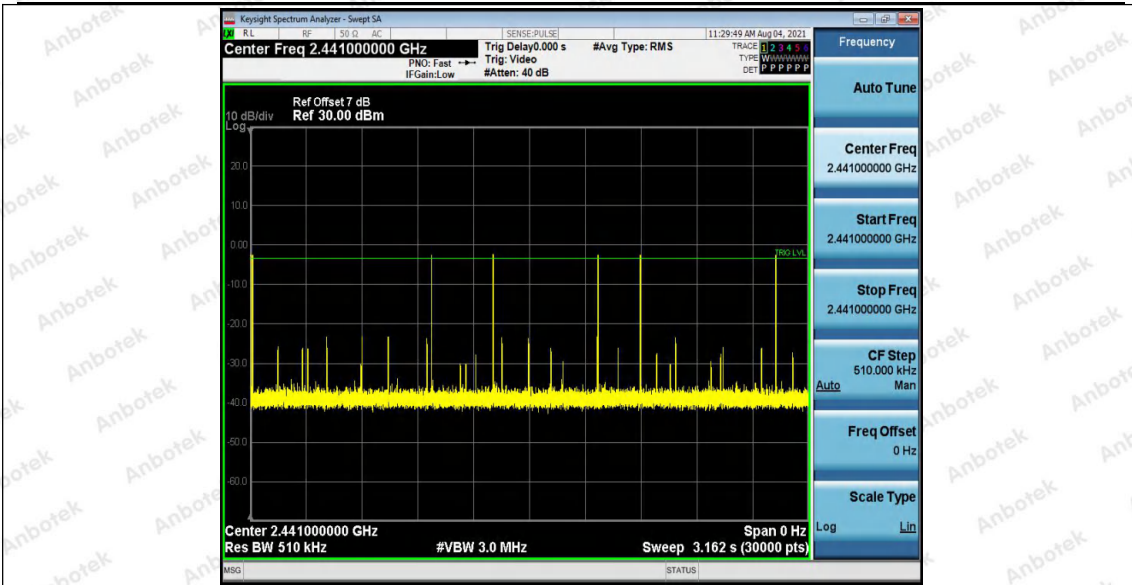


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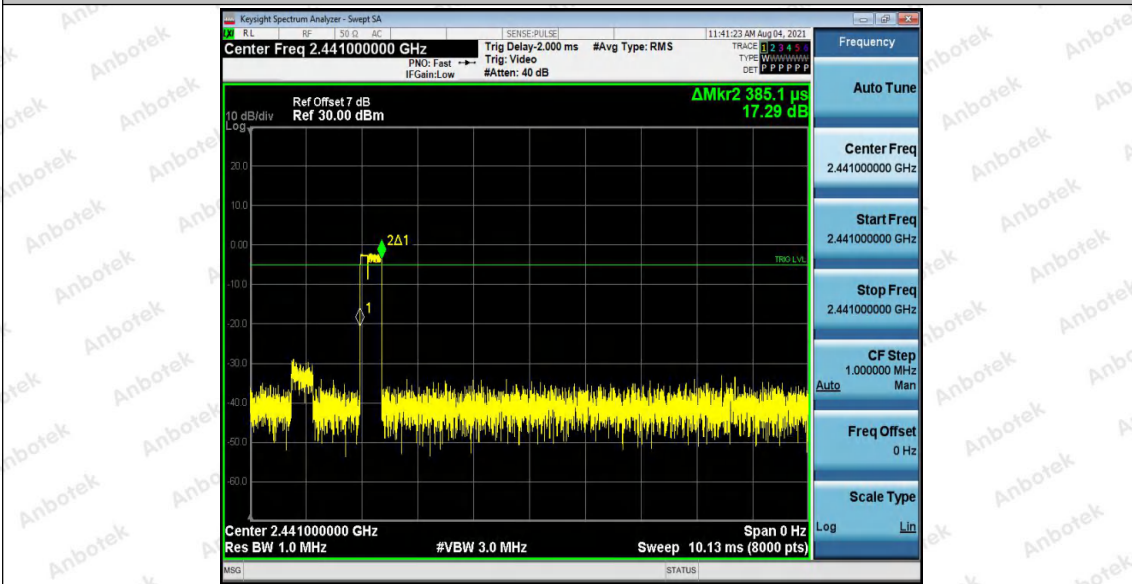
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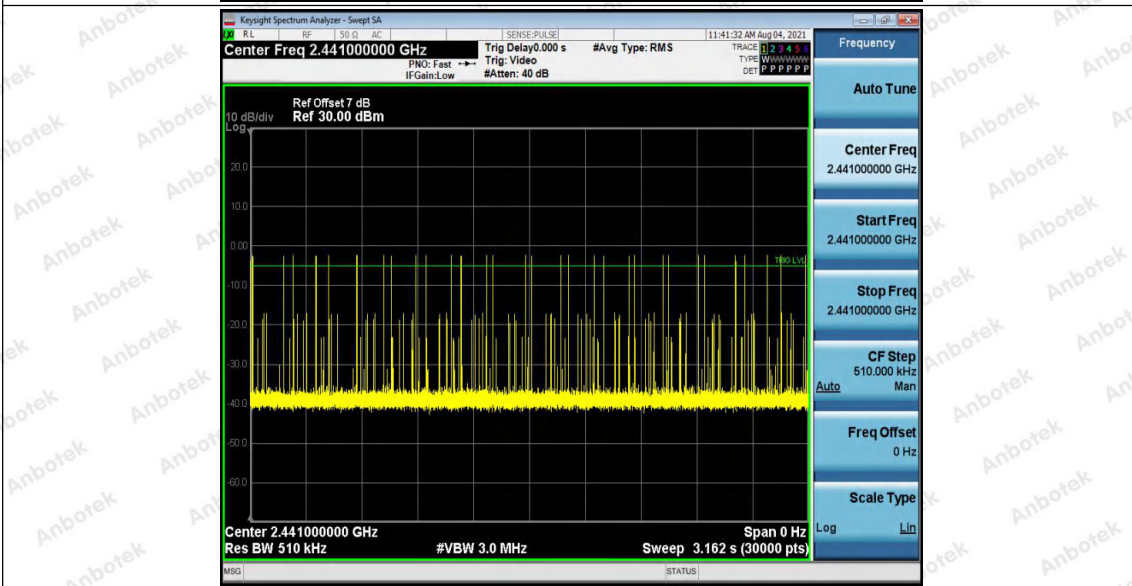
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2DH1\_Ant1\_Hop



2DH3\_Ant1\_Hop

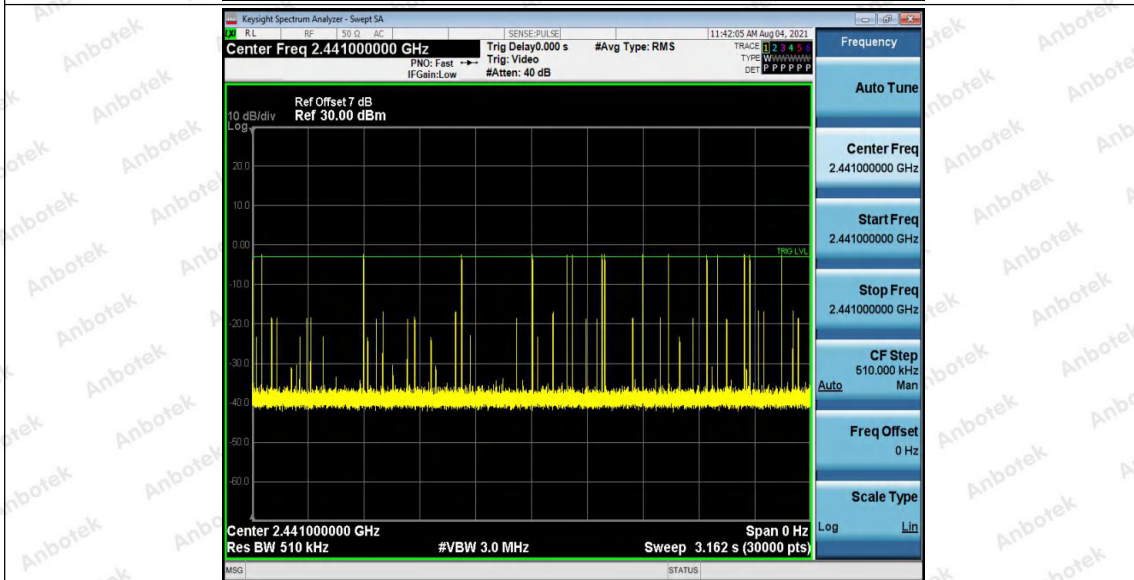
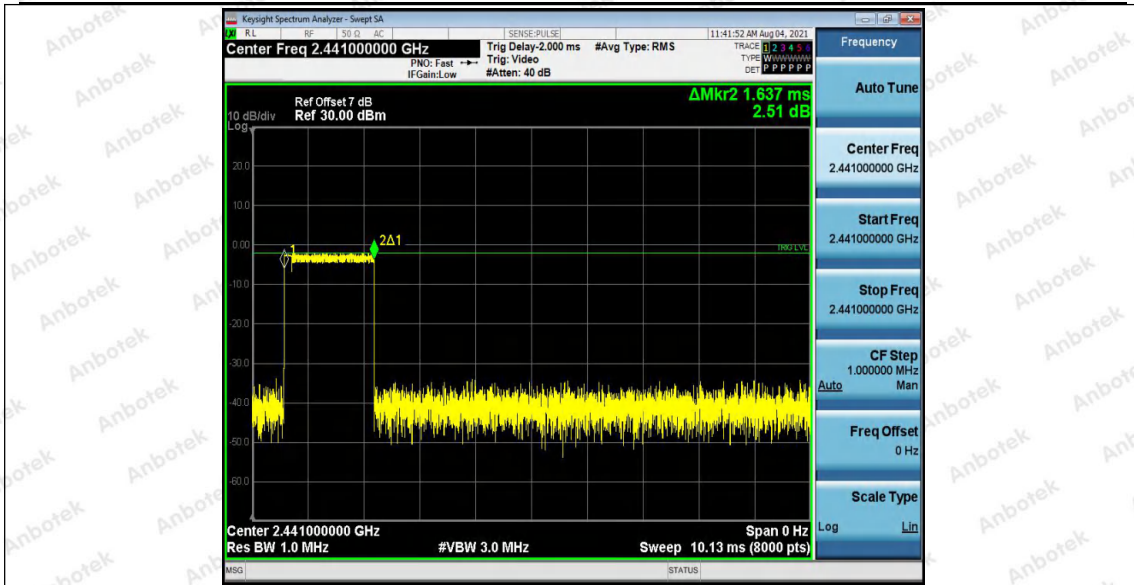


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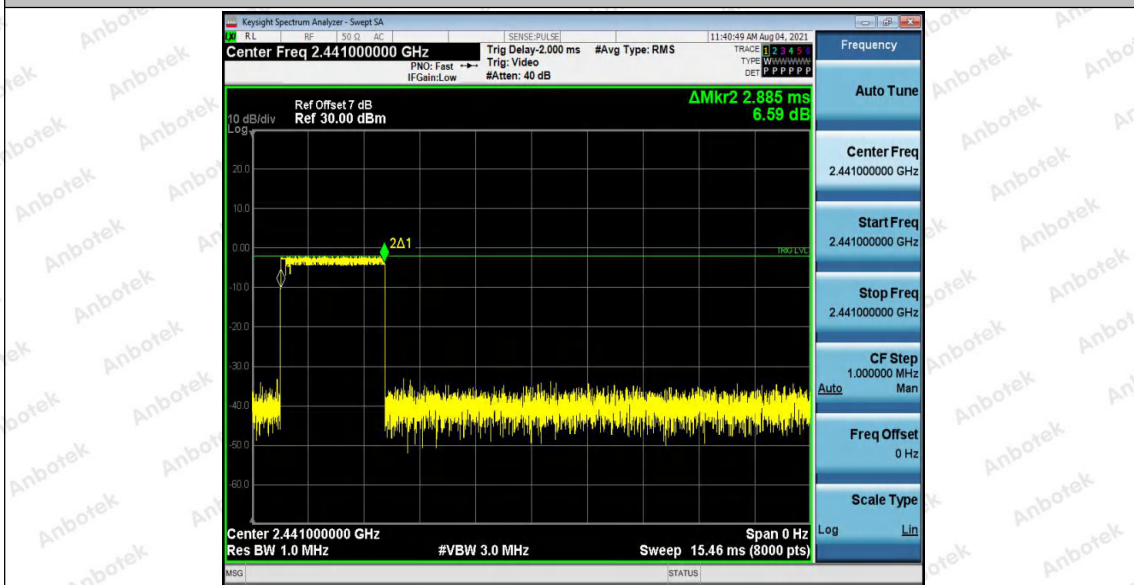
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2DH5\_Ant1\_Hop



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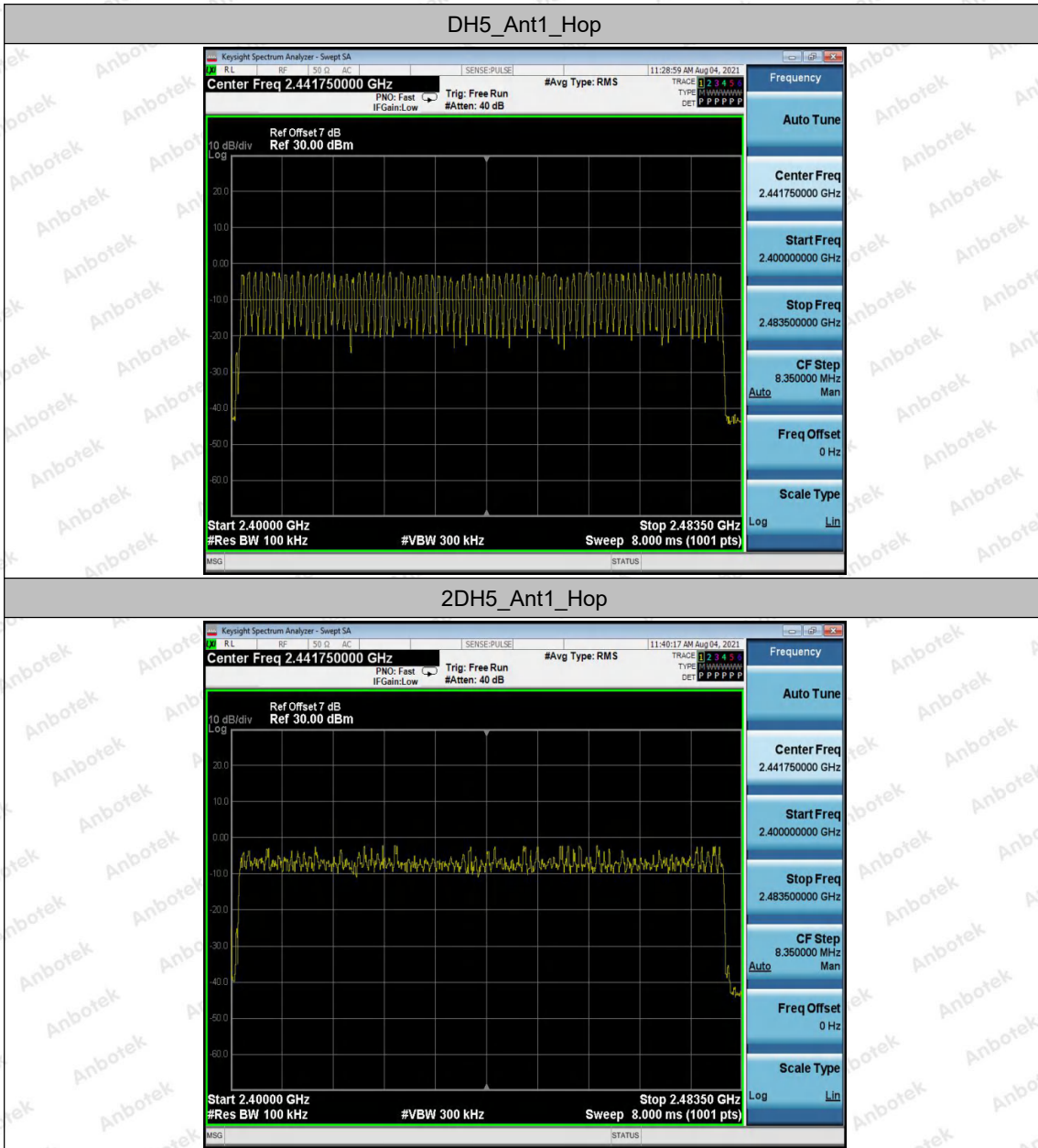


## Appendix F: Number of hopping channels

### Test Result

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

## Test Graphs



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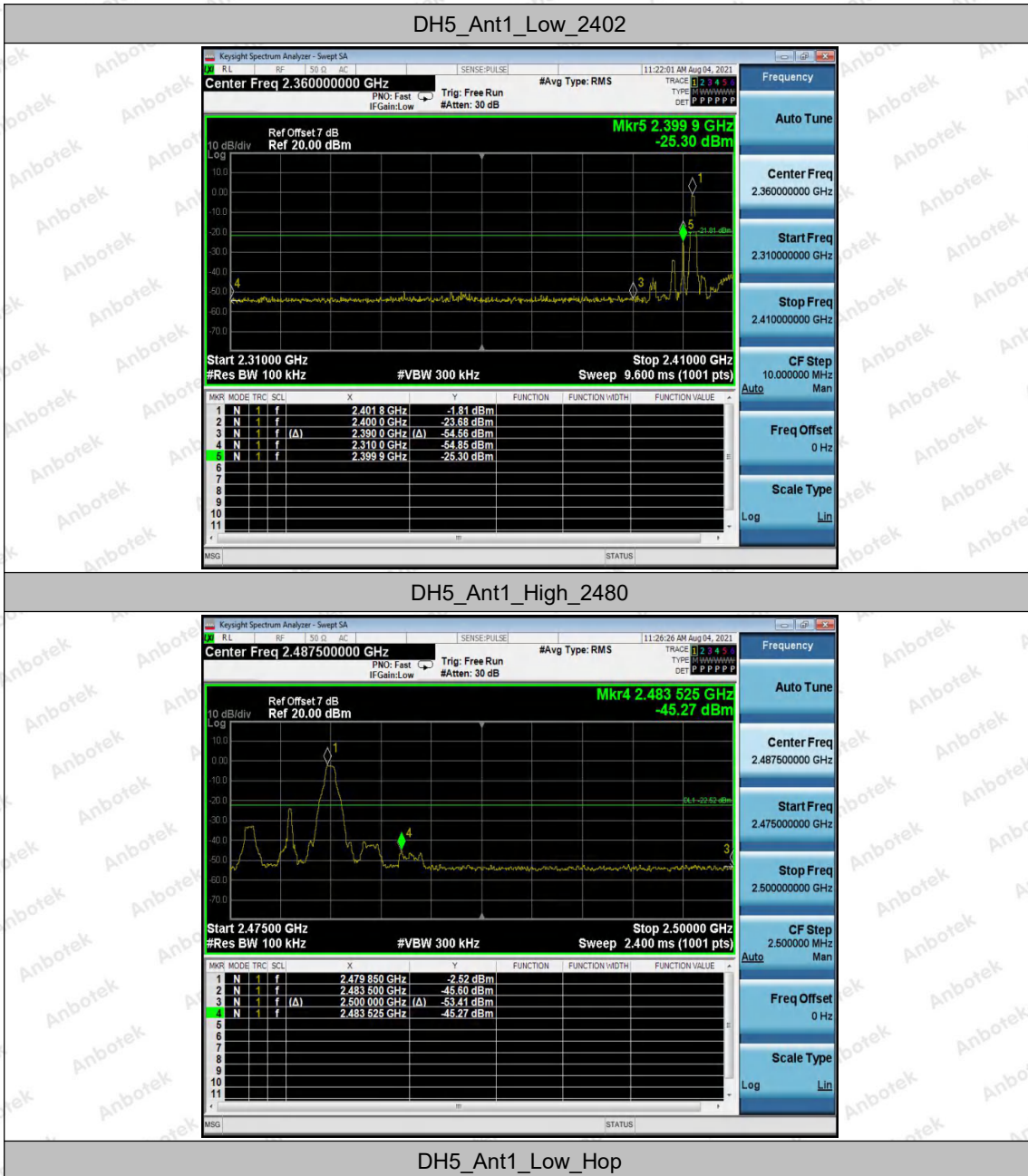
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## Appendix G: Band edge measurements

### Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-1.81	-25.3	<=-21.81	PASS
		High	2480	-2.52	-45.27	<=-22.52	PASS
		Low	Hop	-2.13	-50.86	<=-22.13	PASS
		High	Hop	-2.69	-50.5	<=-22.69	PASS
2DH5	Ant1	Low	2402	-1.86	-25.52	<=-21.86	PASS
		High	2480	-2.46	-44.43	<=-22.46	PASS
		Low	Hop	-4.33	-52.04	<=-24.33	PASS
		High	Hop	-2.45	-54.4	<=-22.45	PASS

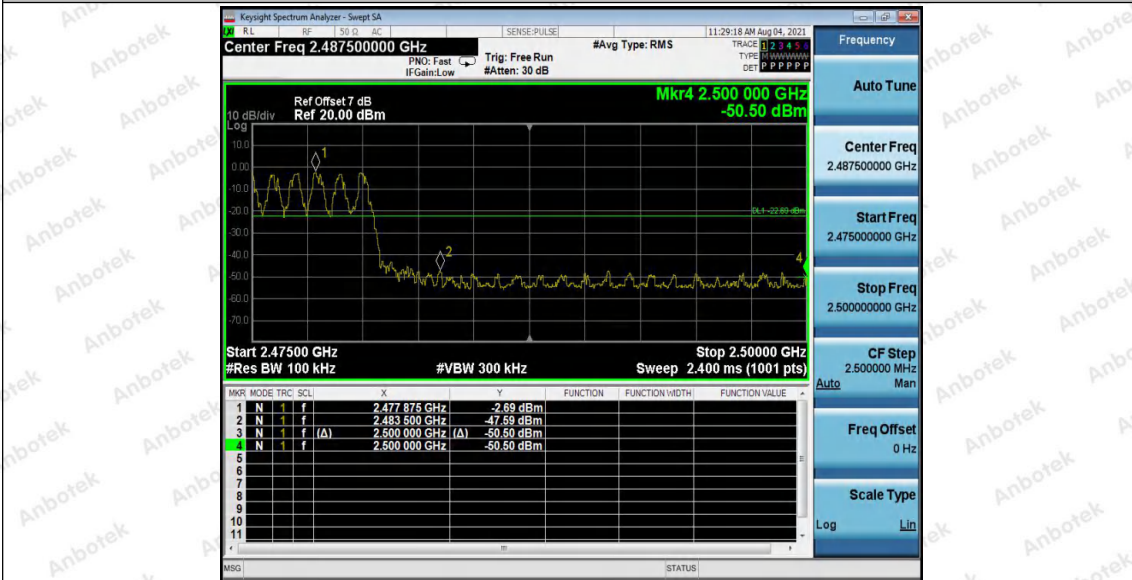
## Test Graphs







DH5\_Ant1\_High\_Hop



2DH5\_Ant1\_Low\_2402



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2DH5\_Ant1\_High\_2480



2DH5\_Ant1\_Low\_Hop



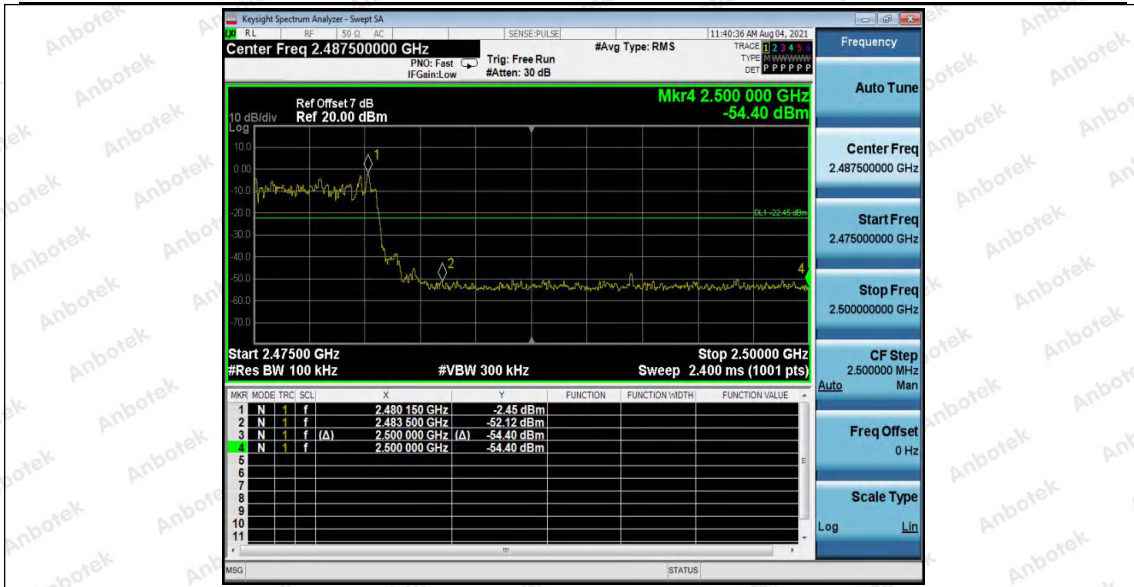
2DH5\_Ant1\_High\_Hop

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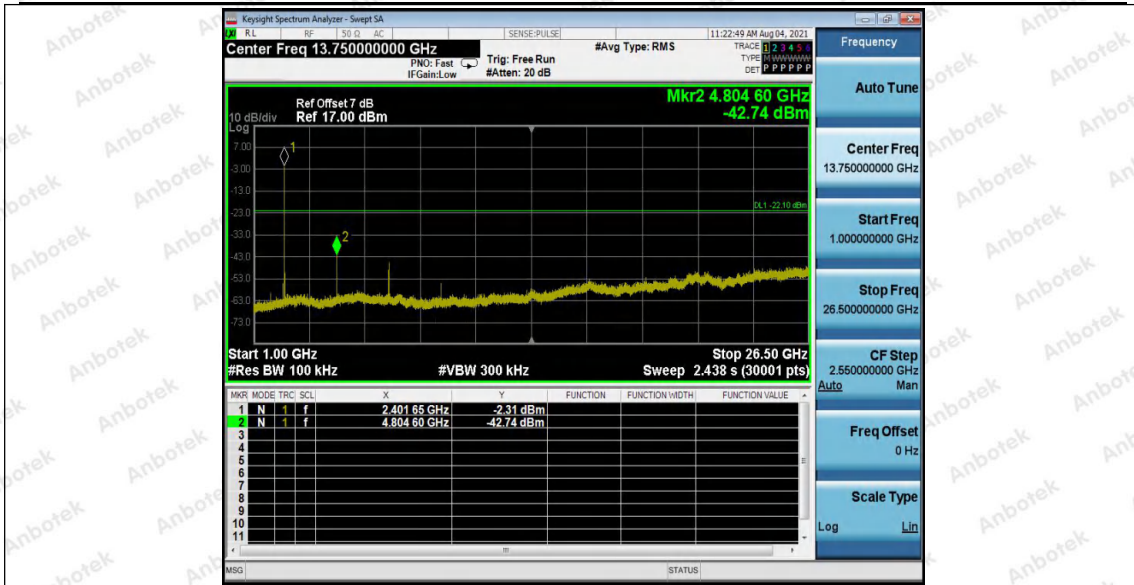
## Appendix H: Conducted Spurious Emission

### Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-2.10	-2.10	---	PASS
			30~1000	-2.10	-53.56	<=-22.1	PASS
			1000~26500	-2.10	-42.74	<=-22.1	PASS
		2441	Reference	-2.62	-2.62	---	PASS
			30~1000	-2.62	-54.24	<=-22.62	PASS
			1000~26500	-2.62	-43.01	<=-22.62	PASS
		2480	Reference	-2.47	-2.47	---	PASS
			30~1000	-2.47	-53.38	<=-22.47	PASS
			1000~26500	-2.47	-42.29	<=-22.47	PASS
2DH5	Ant1	2402	Reference	-1.91	-1.91	---	PASS
			30~1000	-1.91	-53	<=-21.91	PASS
			1000~26500	-1.91	-45.71	<=-21.91	PASS
		2441	Reference	-2.62	-2.62	---	PASS
			30~1000	-2.62	-53.35	<=-22.62	PASS
			1000~26500	-2.62	-45.3	<=-22.62	PASS
		2480	Reference	-2.52	-2.52	---	PASS
			30~1000	-2.52	-53.28	<=-22.52	PASS
			1000~26500	-2.52	-40.61	<=-22.52	PASS

## Test Graphs

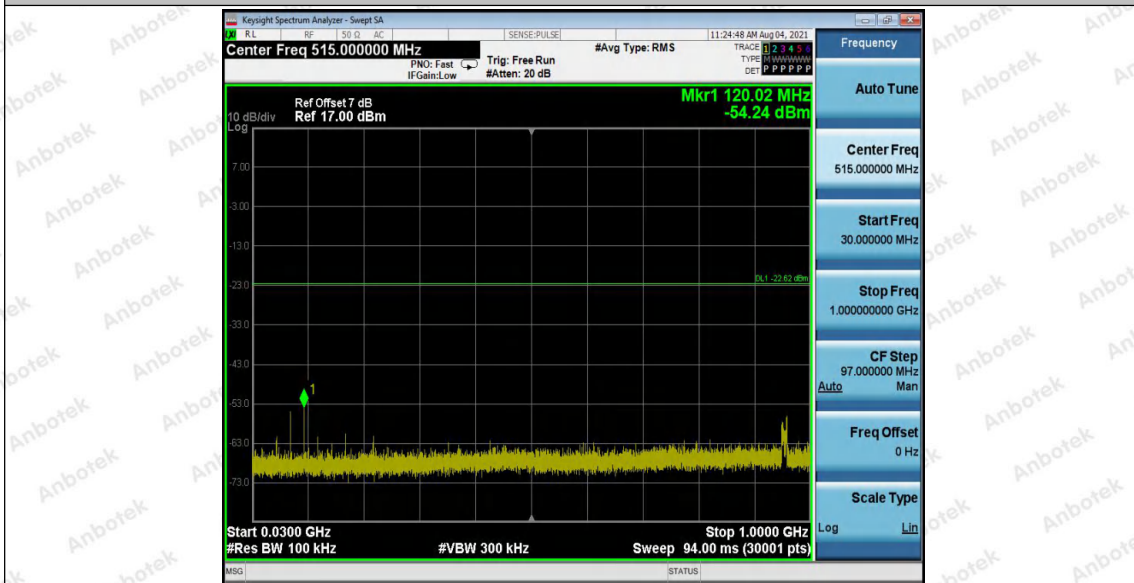




DH5\_Ant1\_2441\_0~Reference



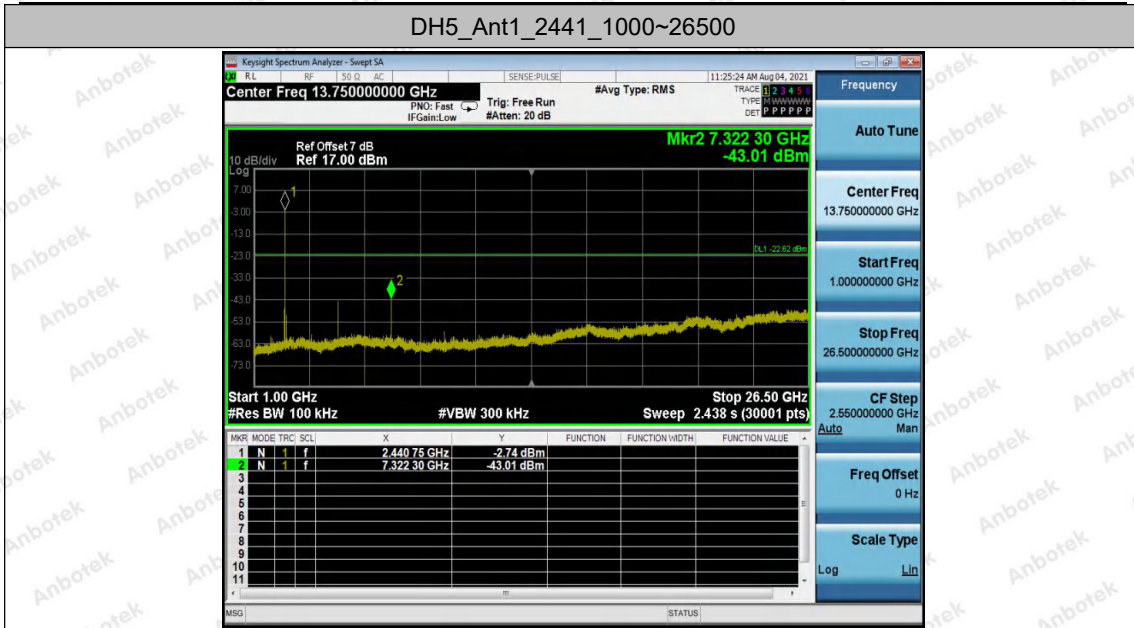
DH5\_Ant1\_2441\_30~1000



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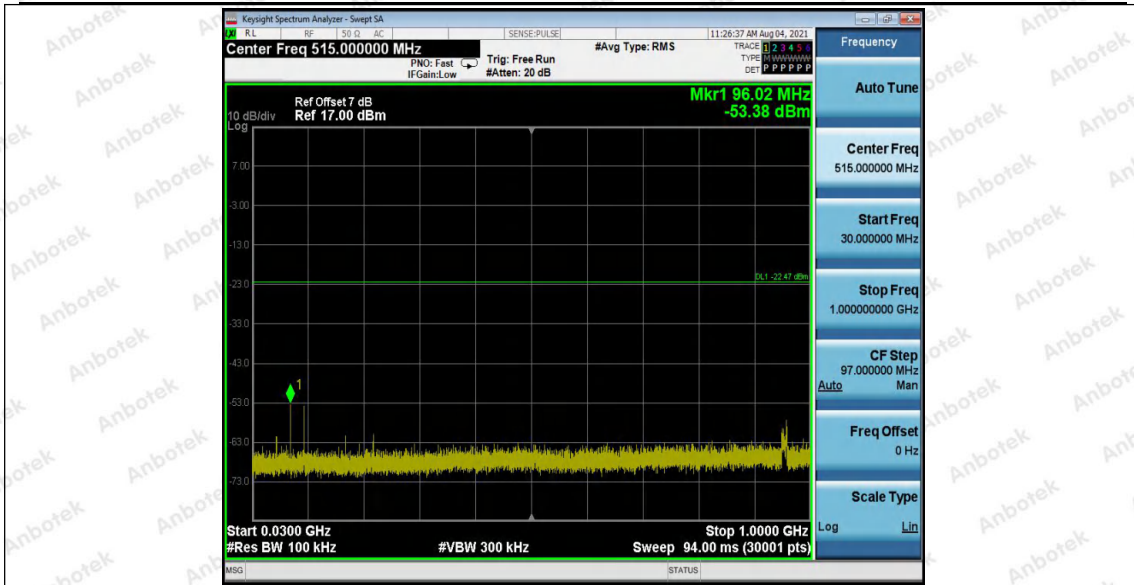
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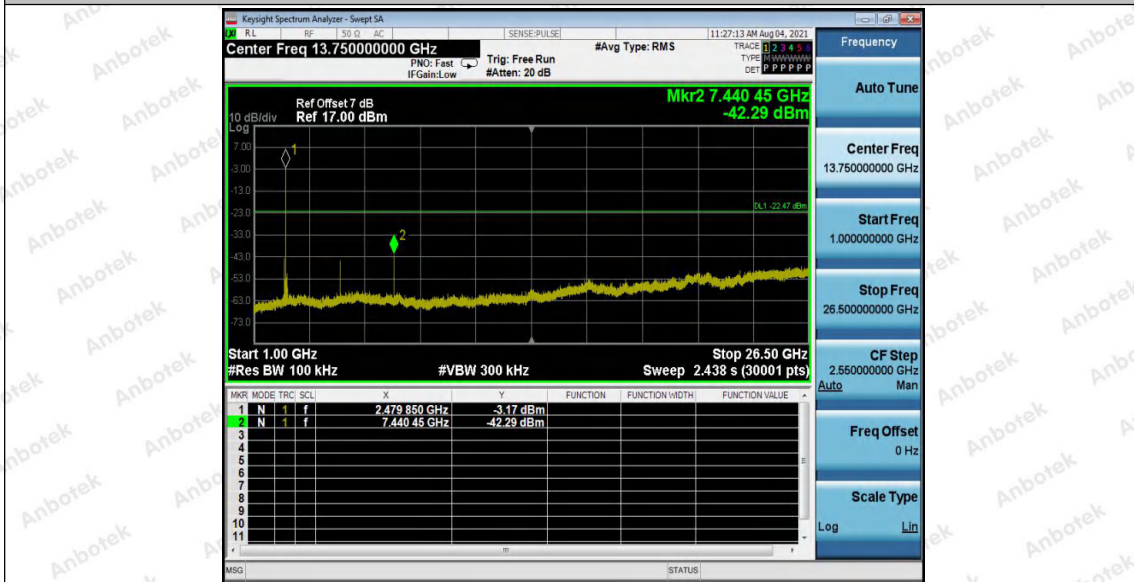
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DH5\_Ant1\_2480\_1000~26500



2DH5\_Ant1\_2402\_0~Reference

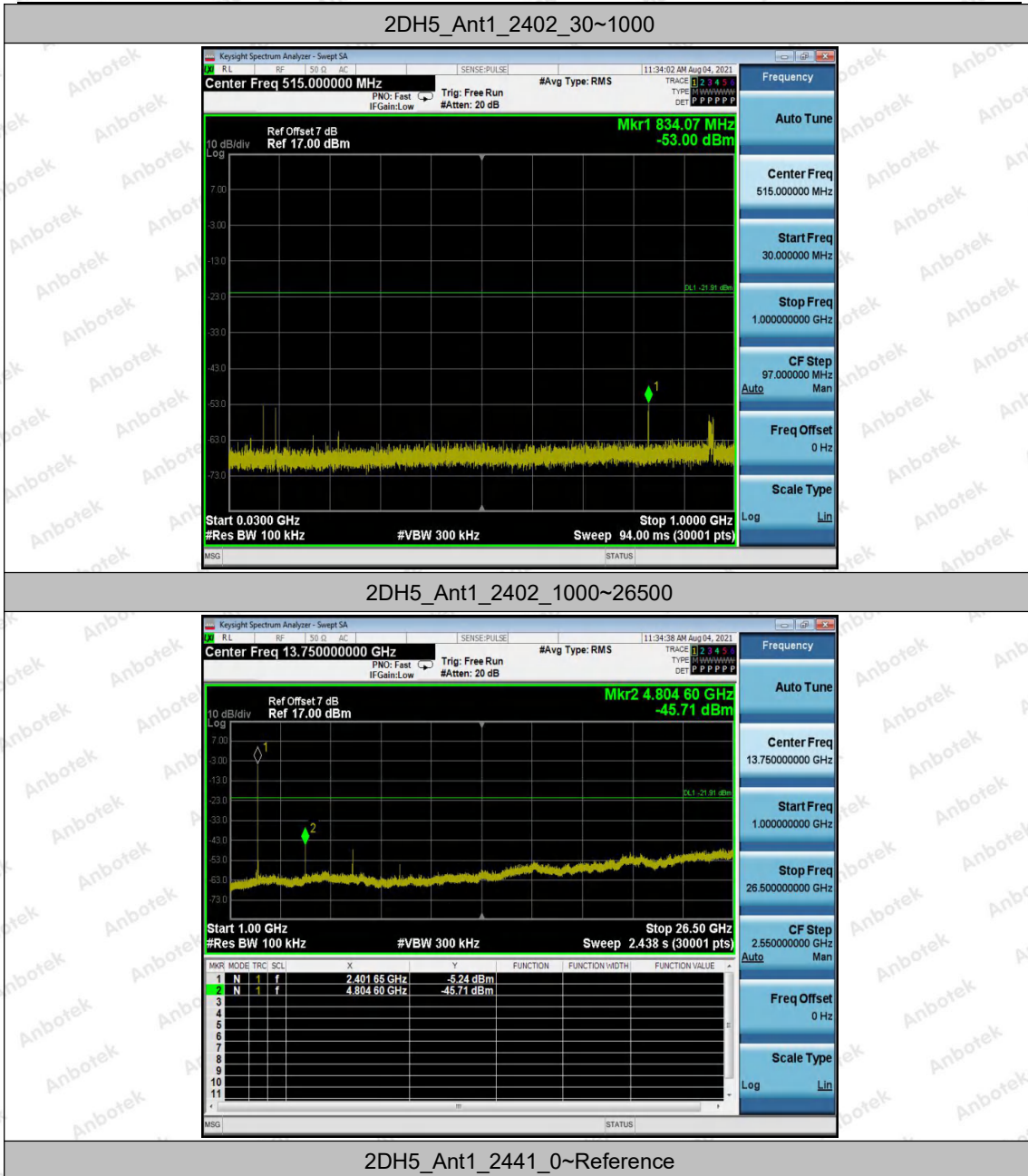


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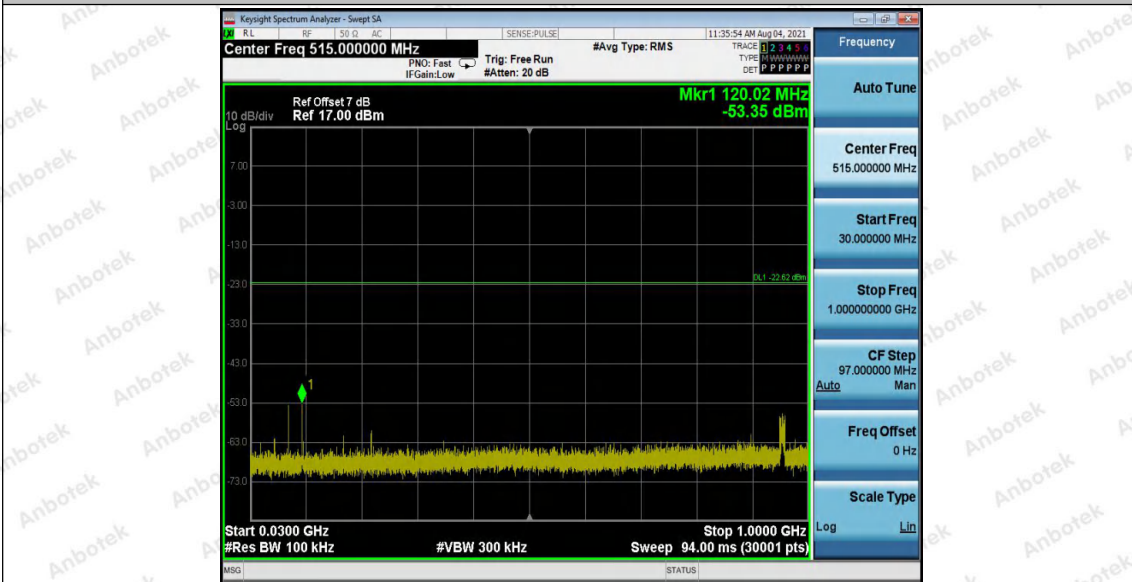
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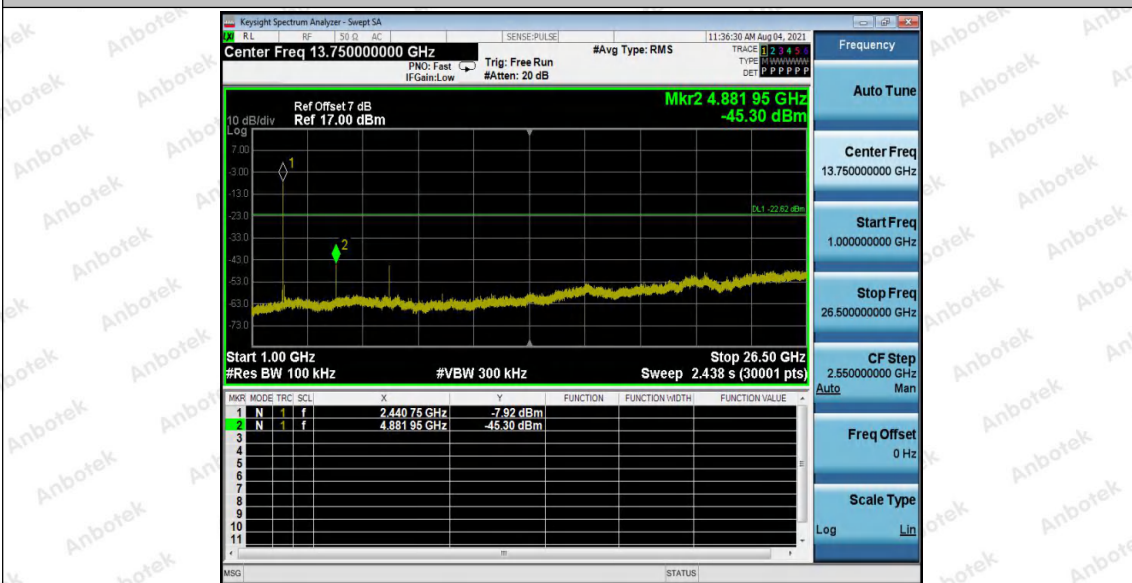
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2DH5\_Ant1\_2441\_30~1000



2DH5\_Ant1\_2441\_1000~26500



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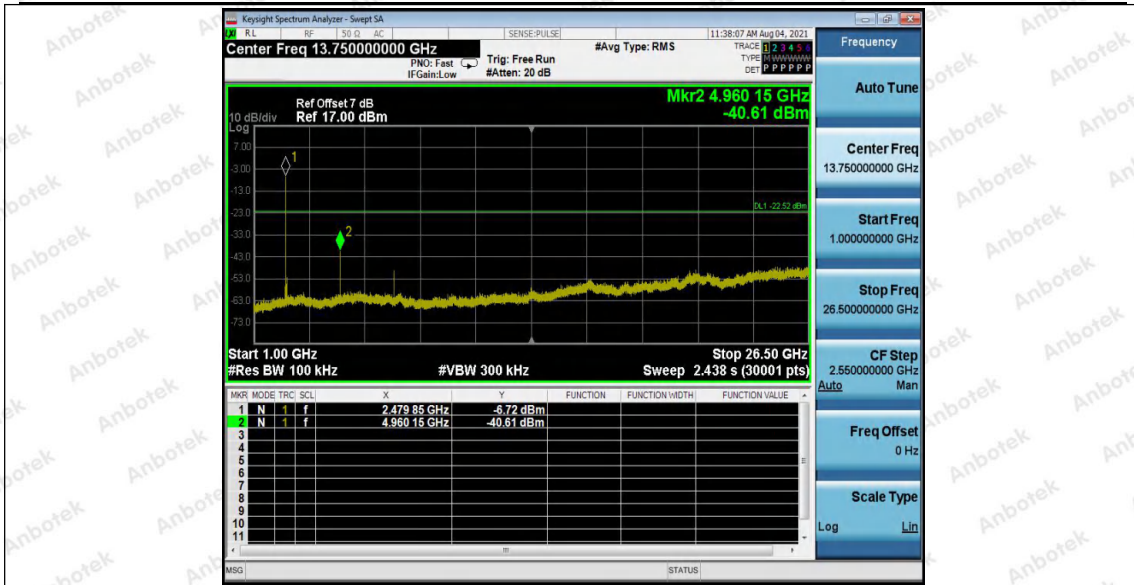
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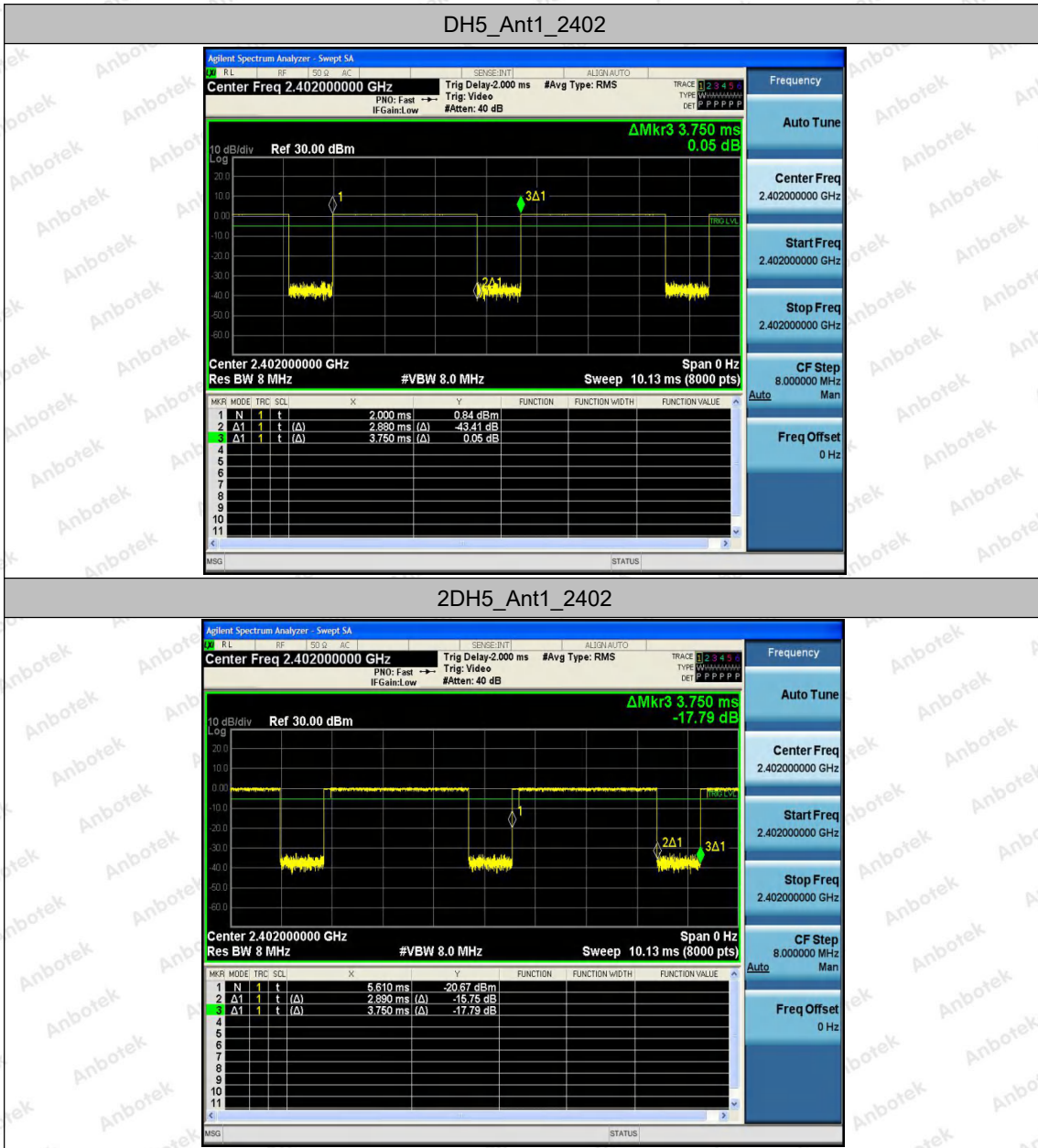
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## Appendix I: Duty Cycle

### 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	2.89	3.75	0.7707	77.07	1.13	---	PASS

## Test Graphs



---End---