

## Appendix Test Data

Report No.:	18220WC20009301	Test Sample No.:	1-2-2
Start Test Date:	2022.1.18	Finish Test Date:	2022.1.24
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	Relative Humidity:	56.2 %
Pressure:	1012 hPa		

## Appendix A: 20dB Emission Bandwidth

## Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4	Ant1	2403	2.300	2401.875	2404.175	---	PASS
		2441	2.265	2439.900	2442.165	---	PASS
		2480	2.260	2478.900	2481.160	---	PASS

## Test Graphs

2.4\_Ant1\_2403



2.4\_Ant1\_2441



2.4\_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
2.4	Ant1	2403	2.2522	2401.83 9	2404.106	---	PASS
		2441	2.2279	2439.87 7	2442.105	---	PASS
		2480	2.1745	2478.91 9	2481.093	---	PASS

## Test Graphs





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## Appendix C: Maximum conducted output power

### Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
2.4	Ant1	2403	3.59	≤30	PASS
		2441	3.26	≤30	PASS
		2480	3.88	≤30	PASS

## Test Graphs



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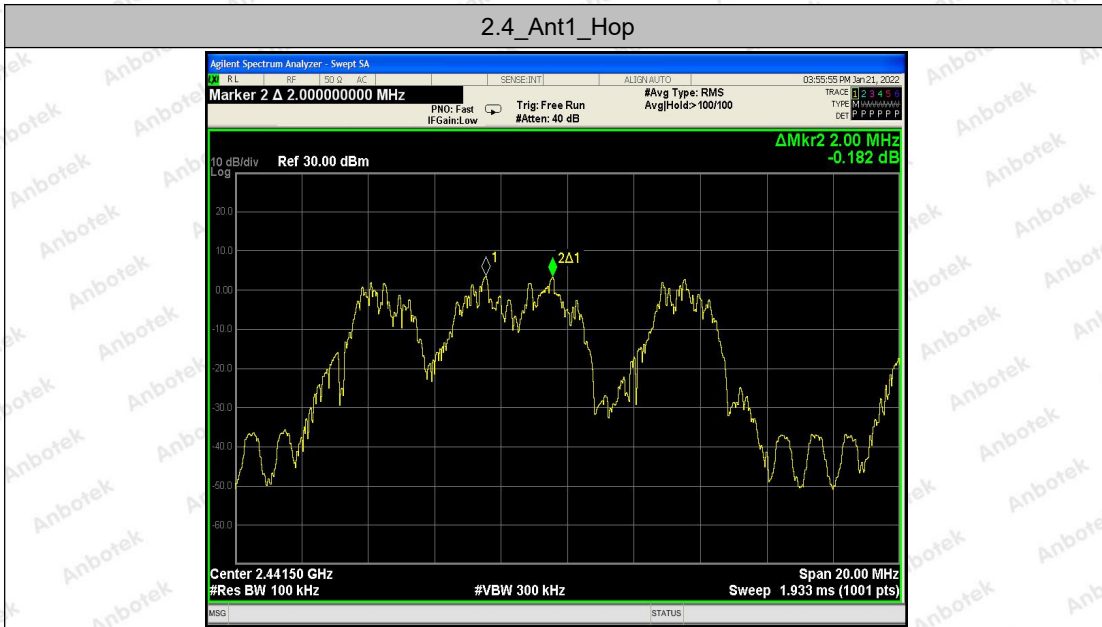
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## Appendix D: Carrier frequency separation

### Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
2.4	Ant1	Hop	2	≥1.510	PASS

## Test Graphs



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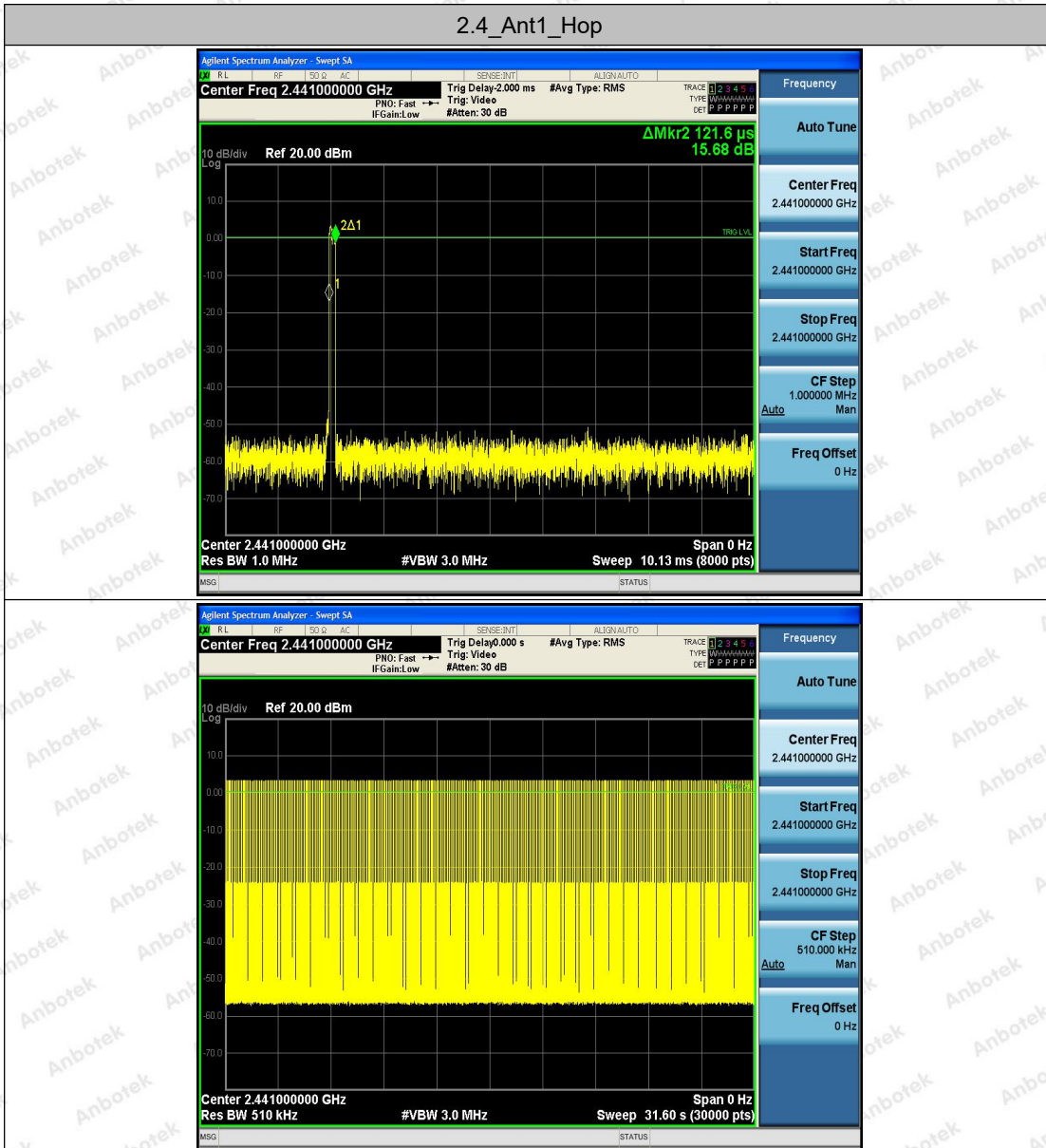
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## Appendix E: Time of occupancy

### Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4	Ant1	Hop	0.12	498	0.061	≤0.4	PASS

## Test Graphs

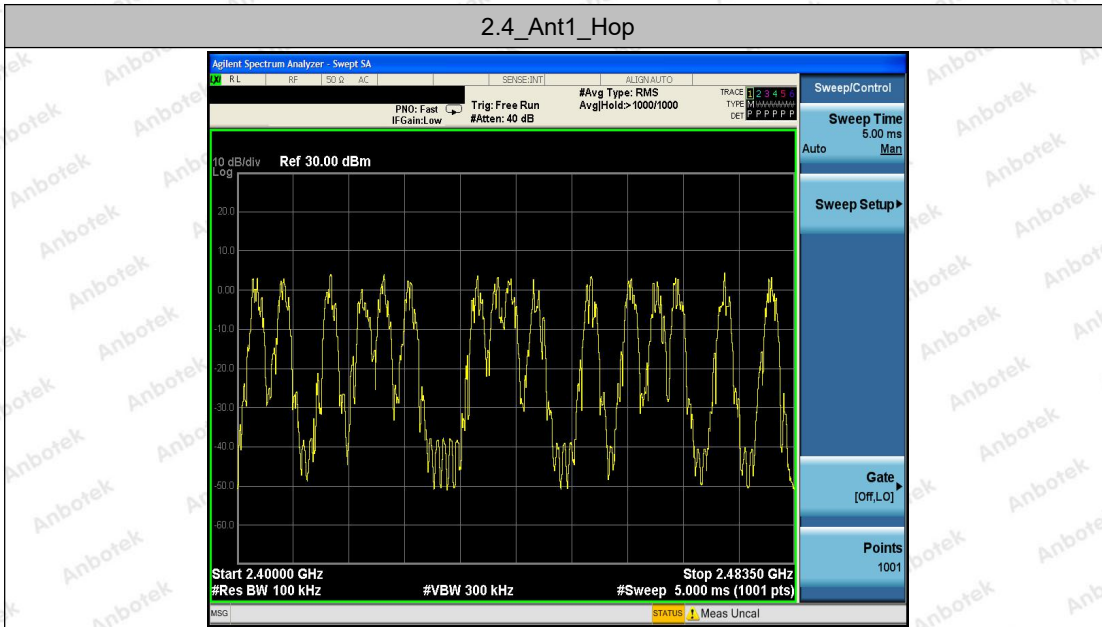


## Appendix F: Number of hopping channels

### Test Result

TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
2.4	Ant1	Hop	16	≥15	PASS

## Test Graphs



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## Appendix G: Band edge measurements

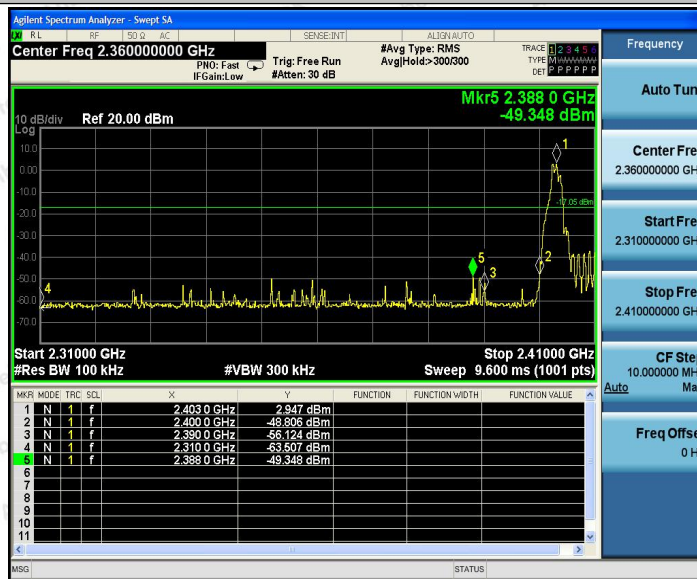
### Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4	Ant1	Low	2403	2.95	-49.35	≤-17.05	PASS
		High	2480	3.78	-51.61	≤-16.22	PASS
		Low	Hop	3.62	-50.85	≤-16.38	PASS
		High	Hop	3.41	-60.27	≤-16.59	PASS



## Test Graphs

2.4\_Ant1\_Low\_2403



2.4\_Ant1\_High\_2480



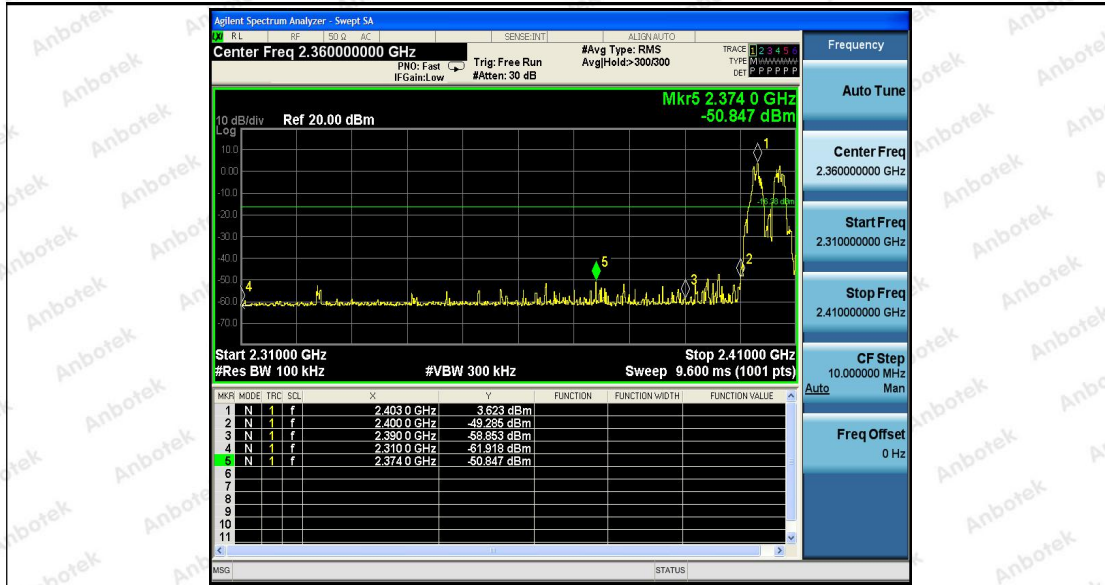
2.4\_Ant1\_Low\_Hop

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## 2.4\_Ant1\_High\_Hop



## Appendix H: Conducted Spurious Emission

### Test Result

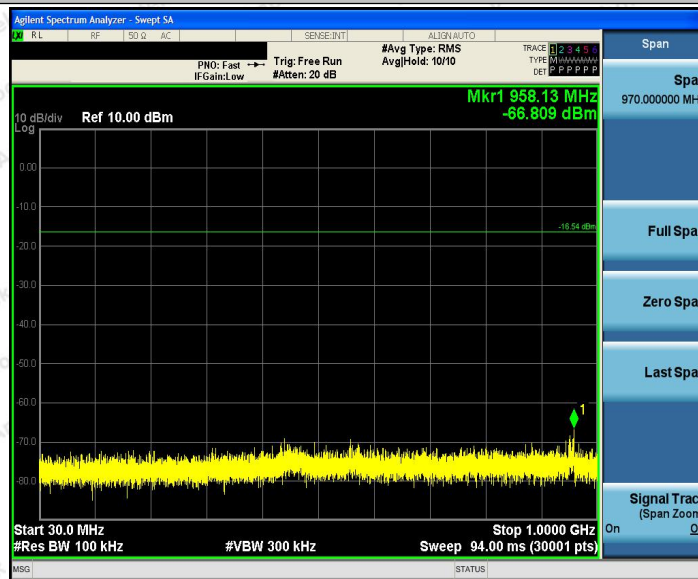
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4	Ant1	2403	Reference	3.46	3.46	---	PASS
			30~1000	3.46	-66.81	≤-16.54	PASS
			1000~26500	3.46	-55.11	≤-16.54	PASS
		2441	Reference	2.94	2.94	---	PASS
			30~1000	2.94	-66	≤-17.06	PASS
			1000~26500	2.94	-55.42	≤-17.06	PASS
		2480	Reference	3.72	3.72	---	PASS
			30~1000	3.72	-68.89	≤-16.28	PASS
			1000~26500	3.72	-55.76	≤-16.28	PASS

## Test Graphs

2.4\_Ant1\_2403\_0~Reference



2.4\_Ant1\_2403\_30~1000



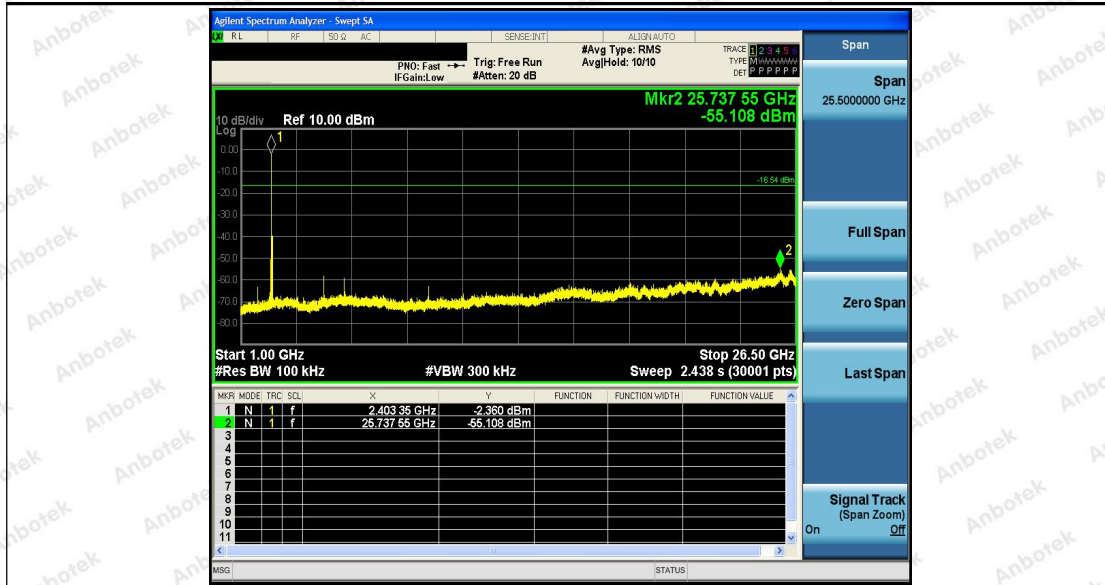
2.4\_Ant1\_2403\_1000~26500

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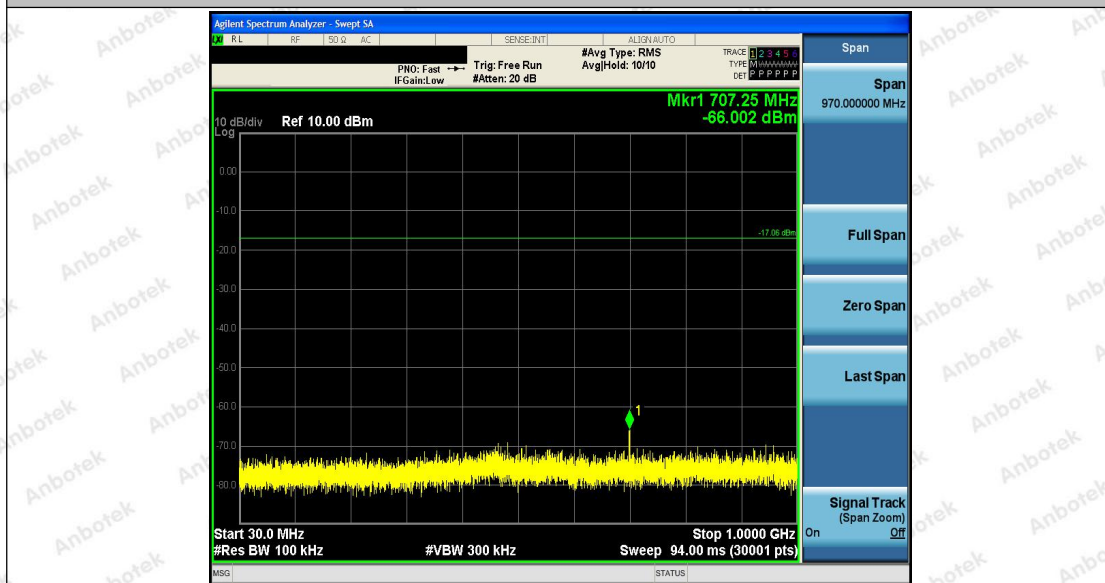
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2.4\_Ant1\_2441\_0~Reference



2.4\_Ant1\_2441\_30~1000



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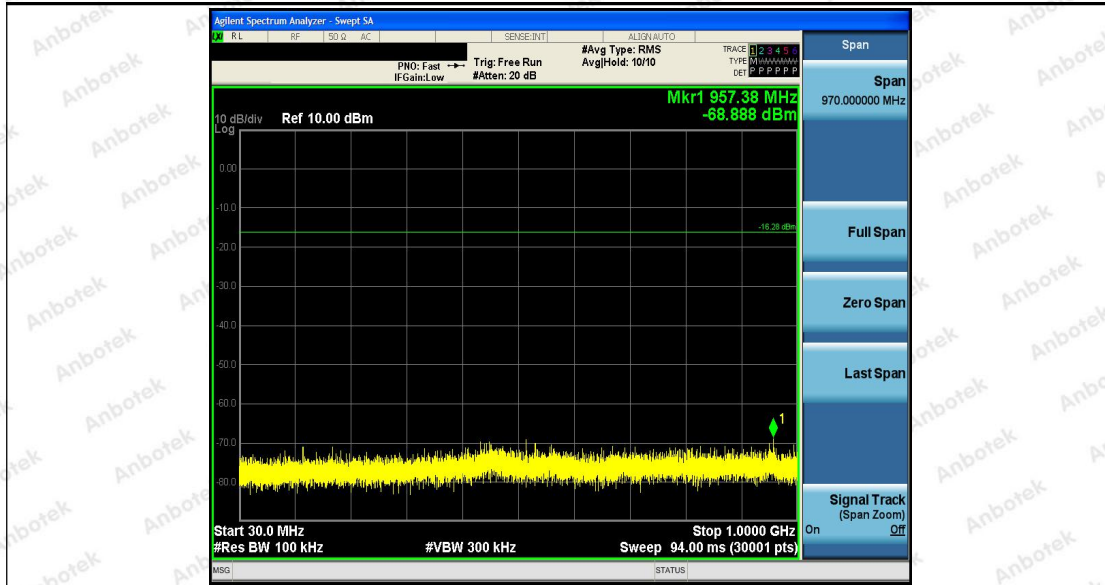
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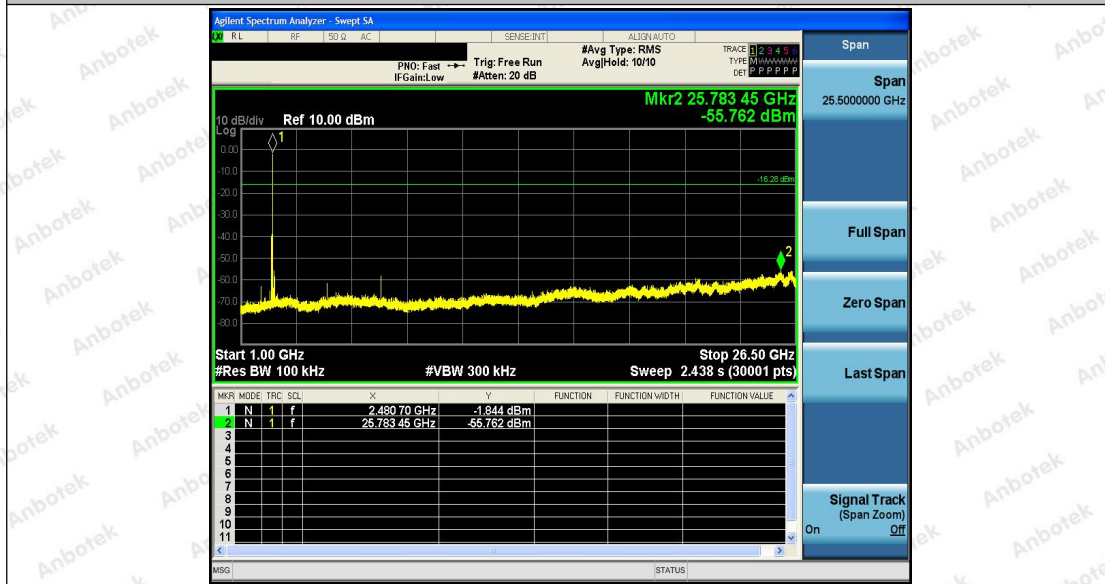
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2.4\_Ant1\_2480\_1000~26500



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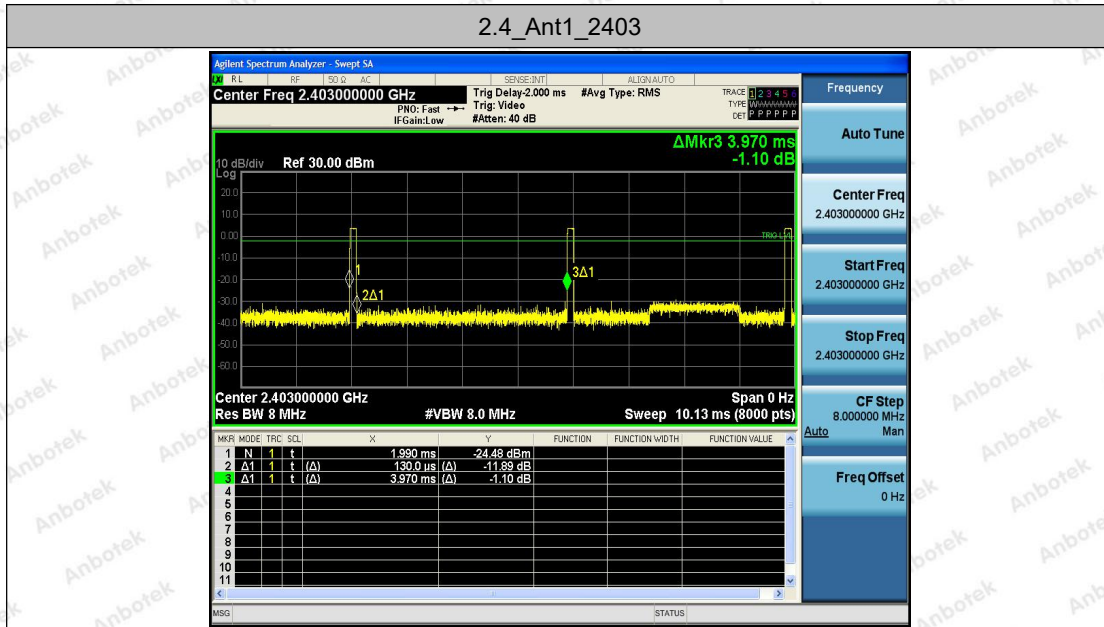
## Appendix I: Duty Cycle

### Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
2.4	Ant1	2403	0.13	3.97	0.0327	3.27	14.85	---	PASS



## Test Graphs



---End---