

Appendix Test Data

Report No.:	18220WC20160801	Test Sample No.:	1-2-2
Start Test Date:	2022.7.18	Finish Test Date:	2022.7.27
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.3℃	Relative Humidity:	57.1 %
Pressure:	1012 hPa		

Appendix A: 20dB Emission Bandwidth

Test Result

Test Mode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	2.120	2401.950	2404.070	---	PASS
		2441	2.165	2439.930	2442.095	---	PASS
		2480	2.260	2478.845	2481.105	---	PASS

Test Graphs

2.4G_Ant1_2403



2.4G_Ant1_2441



2.4G_Ant1_2480



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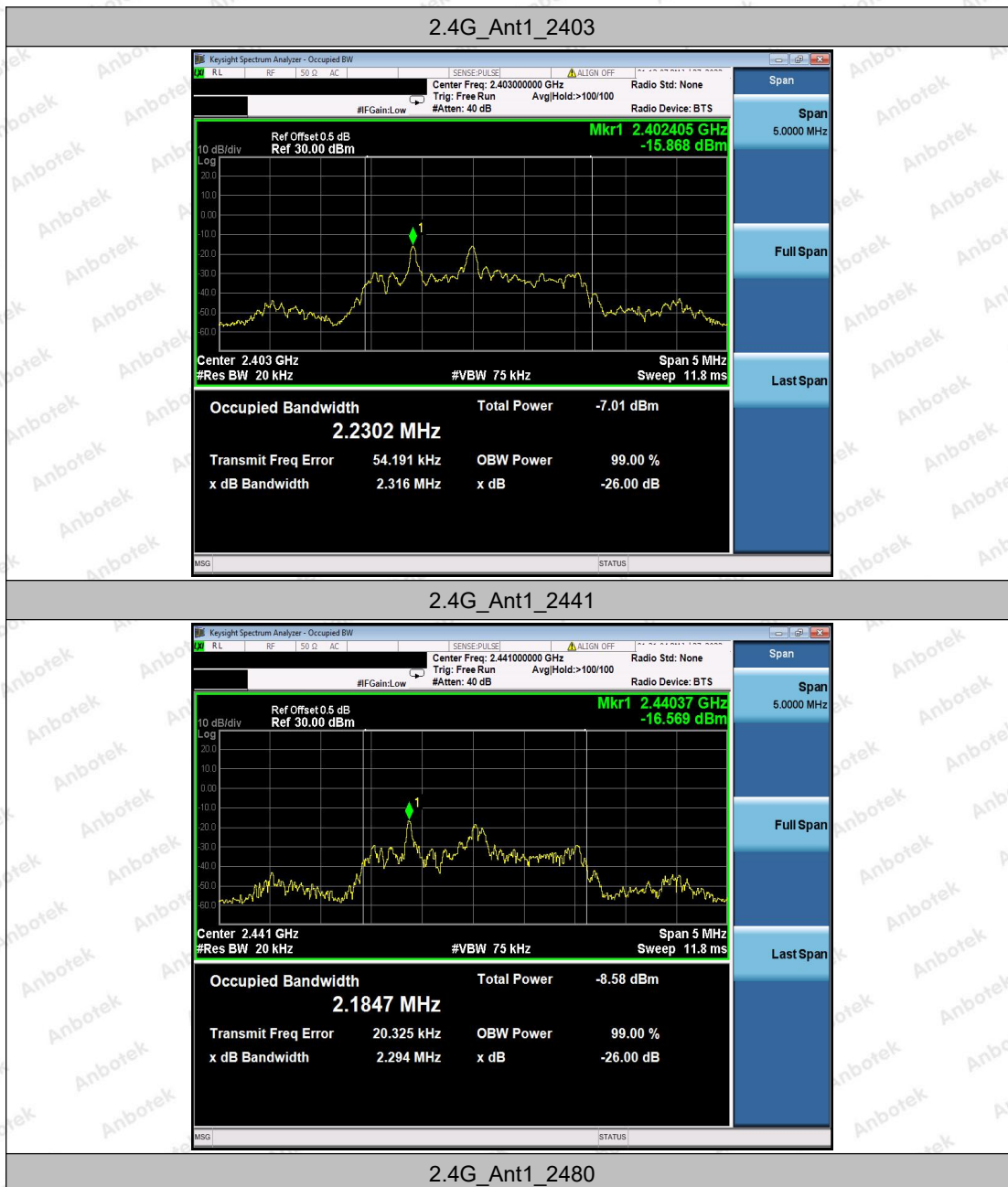
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Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2403	2.2302	2401.939	2,404.169	---	PASS
		2441	2.1847	2439.928	2442.113	---	PASS
		2480	2.8181	2478.651	2481.469	---	PASS

Test Graphs



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Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
2.4G	Ant1	2403	-13.54	≤20.97	PASS
		2441	-13.66	≤20.97	PASS
		2480	-14.05	≤20.97	PASS

Test Graphs

2.4G_Ant1_2403



2.4G_Ant1_2441



2.4G_Ant1_2480



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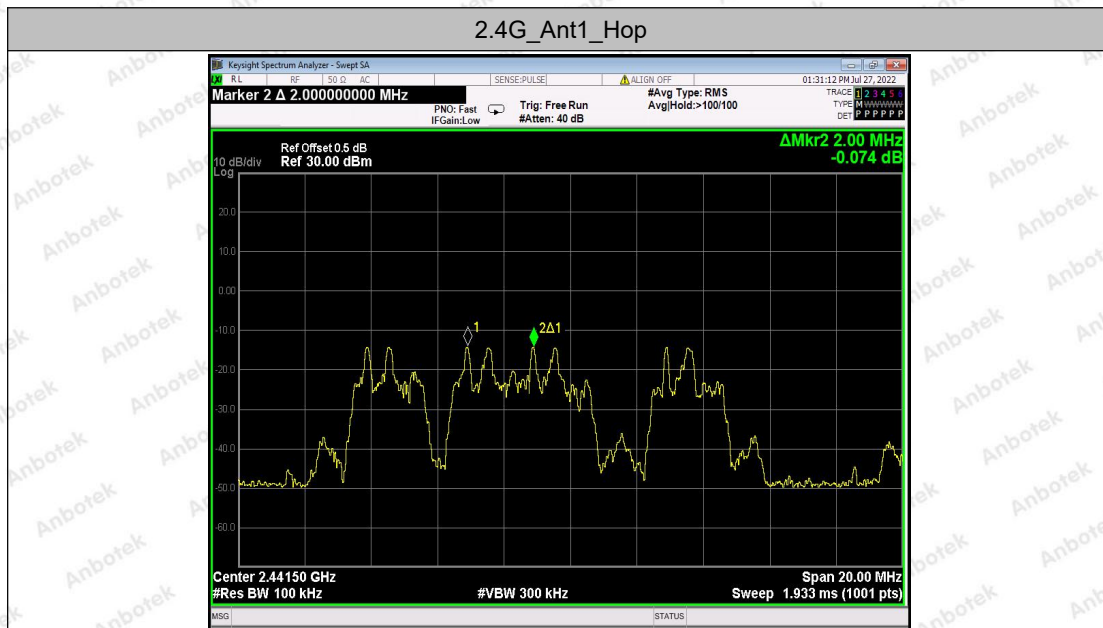
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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	2.00	≥1.507	PASS

Test Graphs



Appendix E: Time of occupancy

Test Result

Test Mode	Antenna	Channel	Burst Width [ms]	Total Hops [Num]	Result[s]	Limit[s]	Verdict
2.4G	Ant1	Hop	0.13	53	0.007	≤0.4	PASS

Test Graphs



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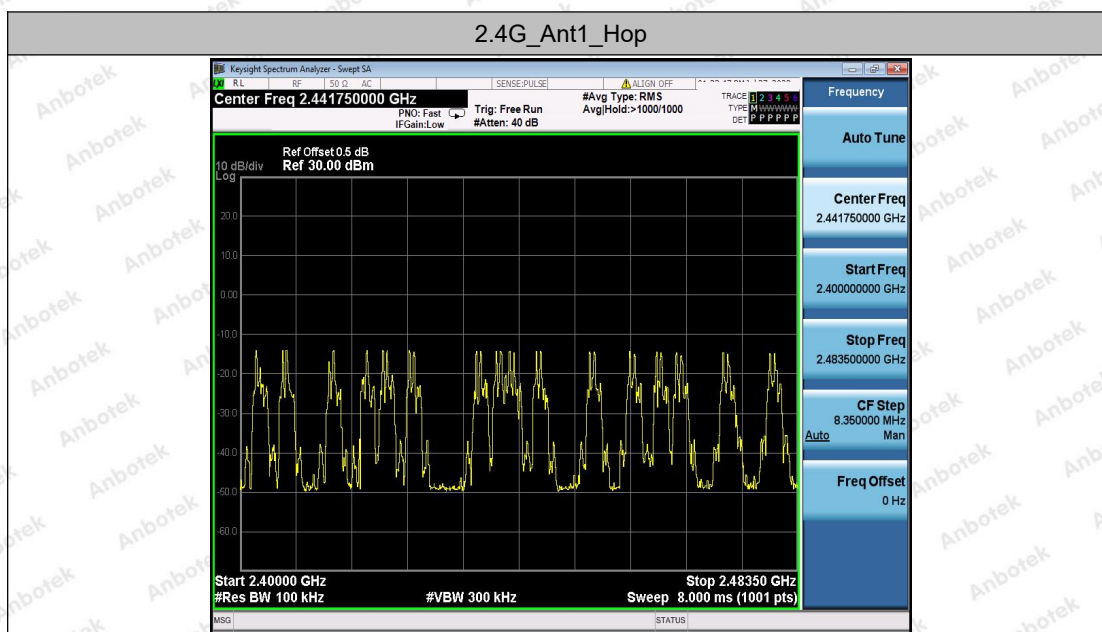
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Appendix F: Number of hopping channels

Test Result

Test Mode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
2.4G	Ant1	Hop	16	≥15	PASS

Test Graphs



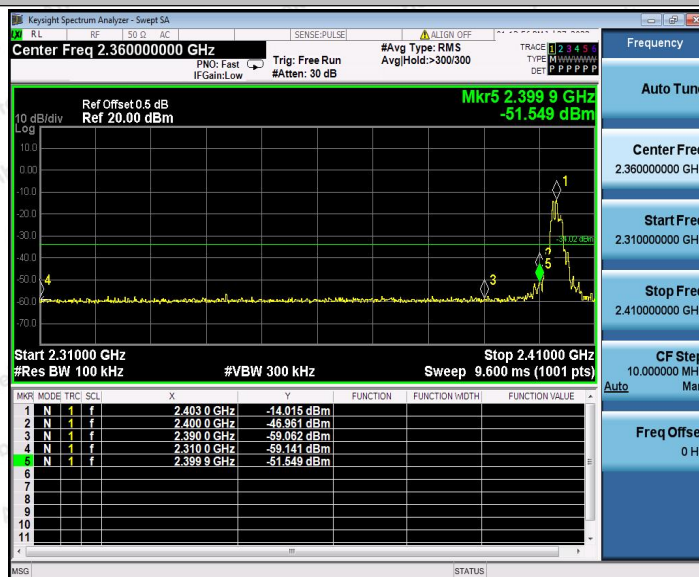
Appendix G: Band edge measurements

Test Result

Test Mode	Antenna	Ch Name	Channel	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2403	-14.02	-51.55	≤-34.02	PASS
		High	2480	-14.78	-51.4	≤-34.78	PASS
		Low	Hop	-13.84	-57.11	≤-33.84	PASS
		High	Hop	-14.69	-59.72	≤-34.69	PASS

Test Graphs

2.4G_Ant1_Low_2403



2.4G_Ant1_High_2480



2.4G_Ant1_Low_Hop

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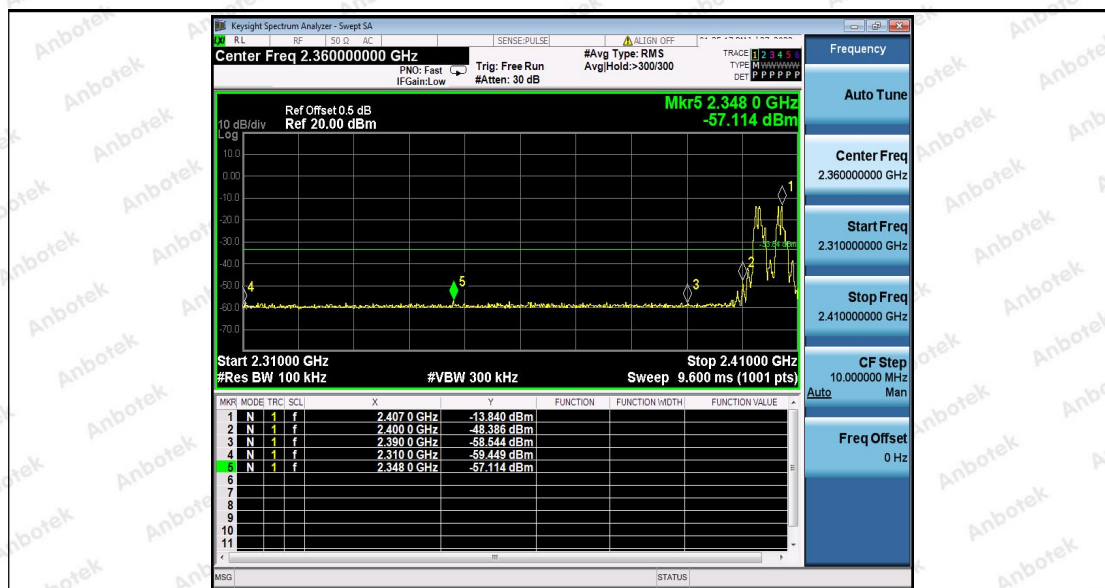
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2.4G_Ant1_High_Hop



Appendix H: Conducted Spurious Emission

Test Result

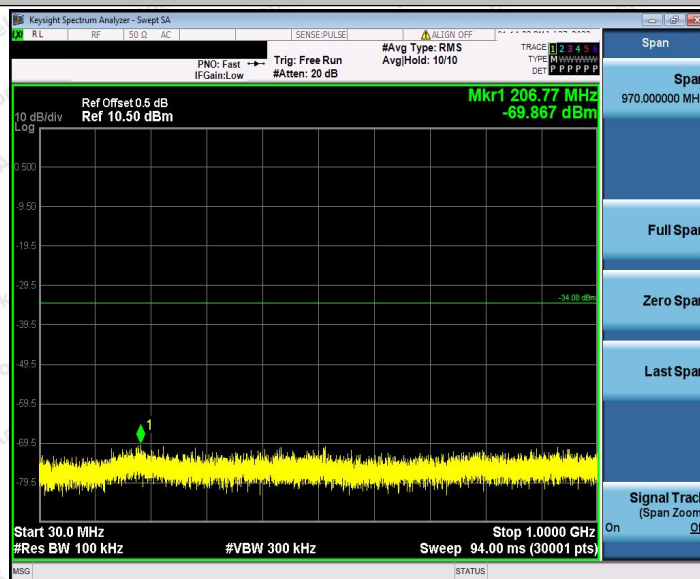
Test Mode	Antenna	Channel	Freq Range [MHz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2403	Reference	-14.08	-14.08	---	PASS
			30~1000	-14.08	-69.87	≤-34.08	PASS
			1000~26500	-14.08	-53.38	≤-34.08	PASS
		2441	Reference	-14.39	-14.39	---	PASS
			30~1000	-14.39	-70.28	≤-34.39	PASS
			1000~26500	-14.39	-54.3	≤-34.39	PASS
		2480	Reference	-14.78	-14.78	---	PASS
			30~1000	-14.78	-70.27	≤-34.78	PASS
			1000~26500	-14.78	-54.24	≤-34.78	PASS

Test Graphs

2.4G_Ant1_2403_0~Reference



2.4G_Ant1_2403_30~1000



2.4G_Ant1_2403_1000~26500

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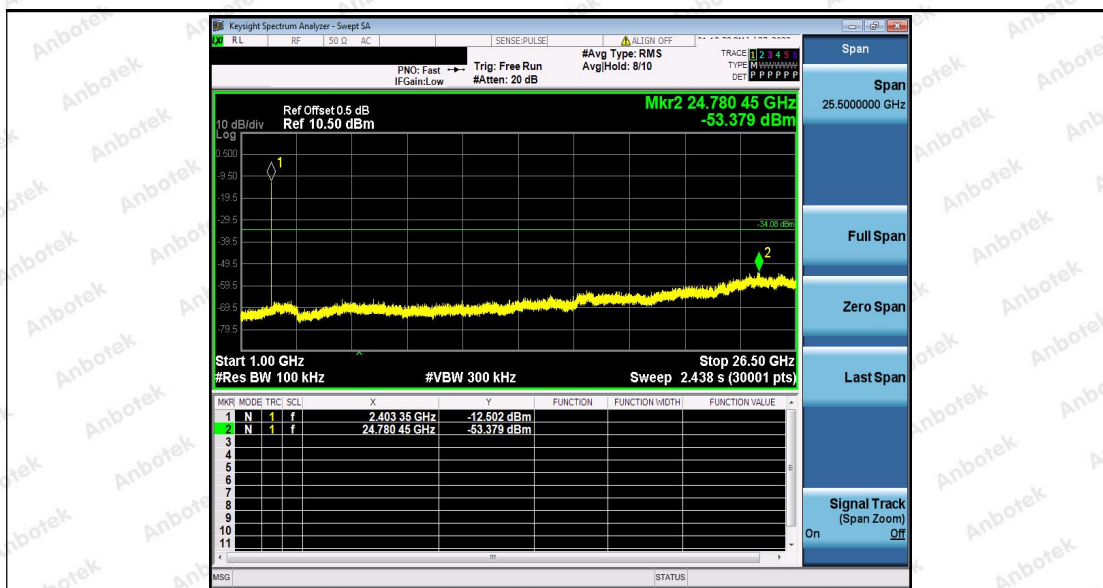
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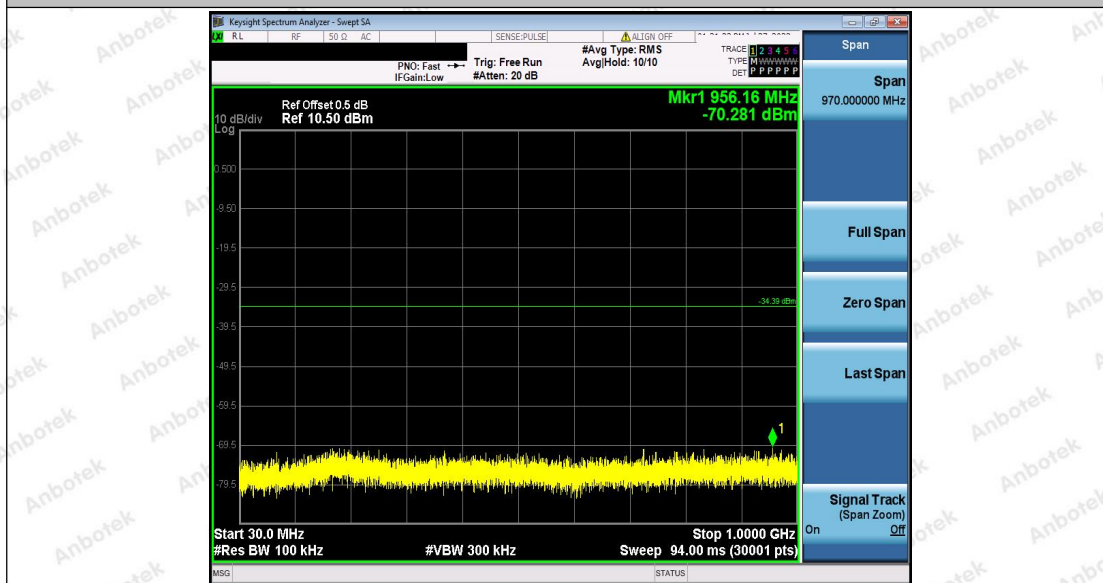
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2.4G_Ant1_2441_0~Reference



2.4G_Ant1_2441_30~1000



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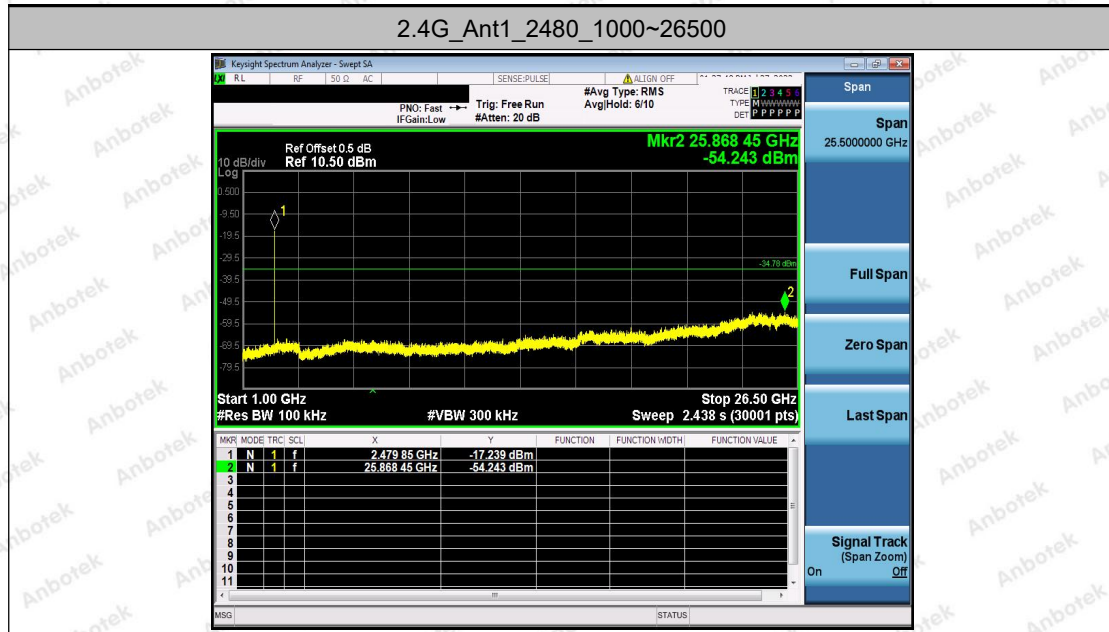


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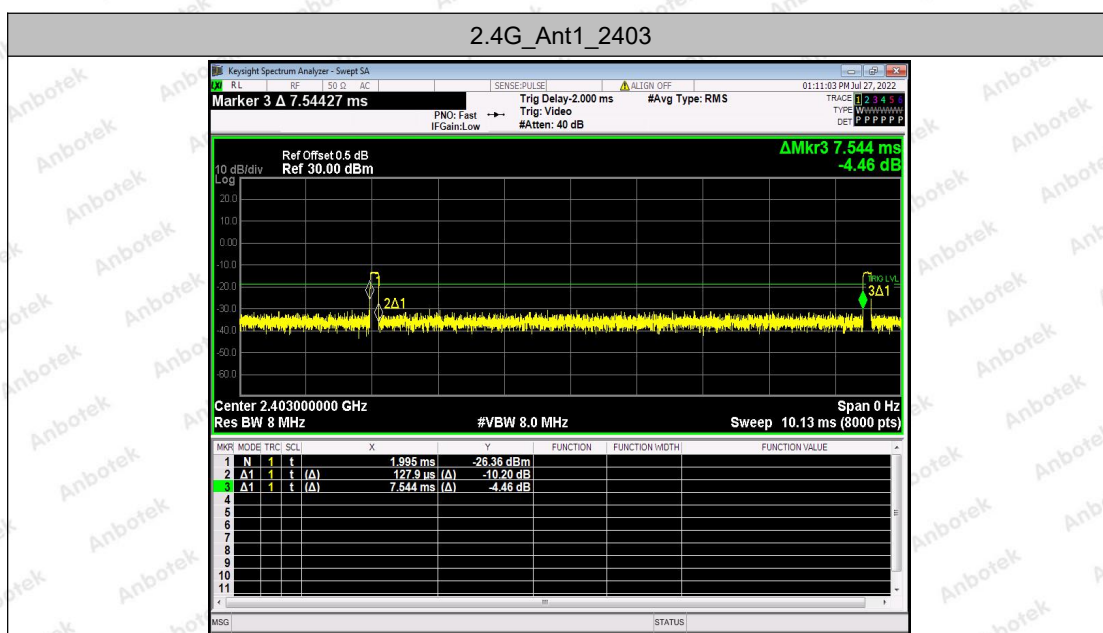
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Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	X Factor	Limit	Verdict
2.4G	Ant1	2403	0.128	7.54	0.017	1.7	-35.39	---	PASS

Test Graphs



---End---