

Appendix Test Data

Report No.:	18220WC20280001	Test Sample No.:	1-2-2
Start Test Date:	2022.12.8	Finish Test Date:	2022.12.22
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	22.3C°	Relative Humidity:	40 %
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4g	Ant1	2420	0.532	2419.832	2420.364	0.5	PASS
		2440	0.752	2439.620	2440.372	0.5	PASS
		2460	0.816	2459.616	2460.432	0.5	PASS

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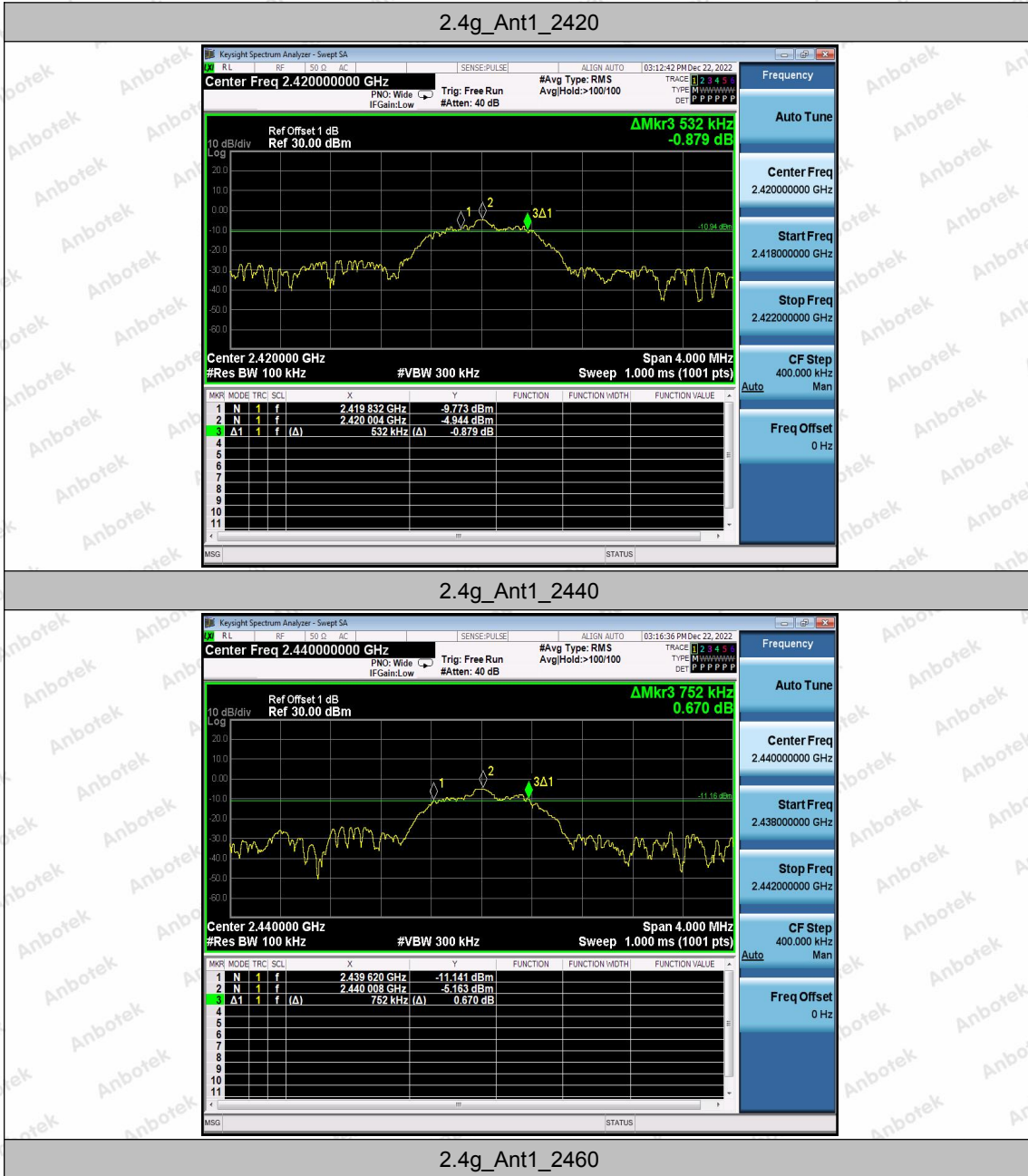
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Test Graphs



2.4g_Ant1_2460

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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
2.4g	Ant1	2420	1.8188	2418.7975	2420.6163
		2440	1.9695	2438.8499	2440.8194
		2460	1.3307	2459.3427	2460.6734

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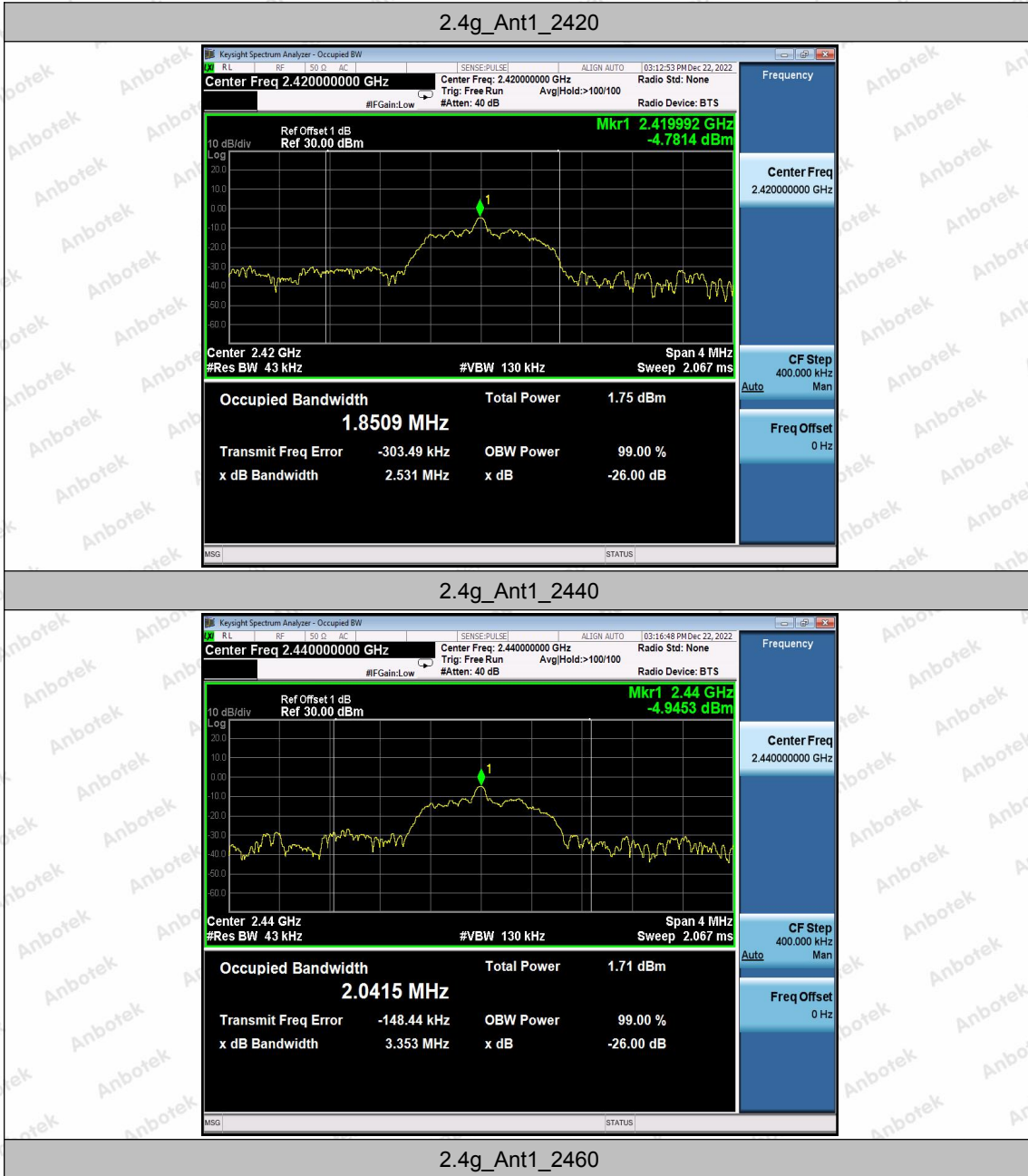
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Test Graphs



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Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4g	Ant1	2420	-4.83	≤30	PASS
		2440	-5.04	≤30	PASS
		2460	-5.32	≤30	PASS



Test Graphs Peak



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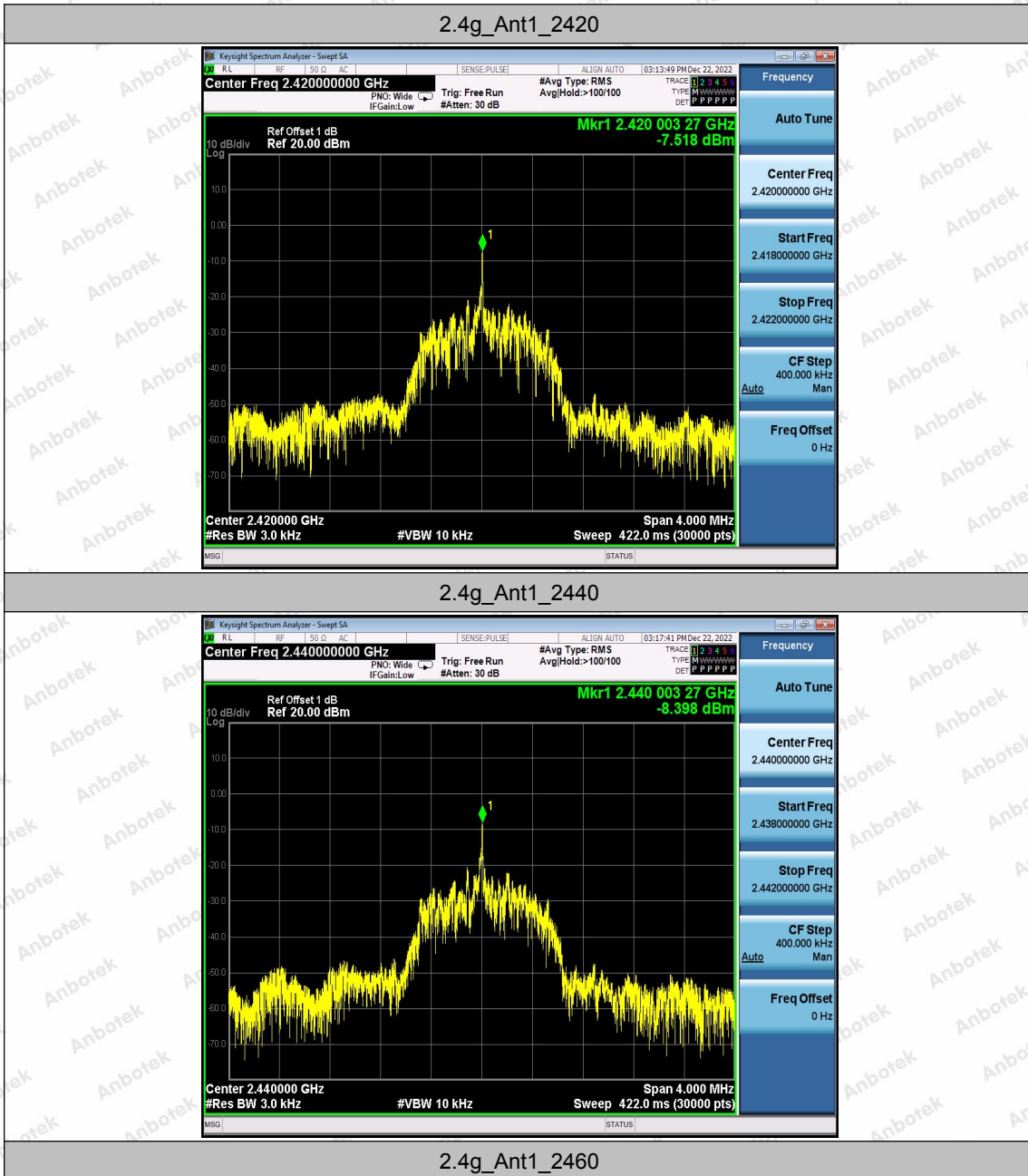
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
2.4g	Ant1	2420	-7.52	≤8.00	PASS
		2440	-8.4	≤8.00	PASS
		2460	-8.15	≤8.00	PASS



Test Graphs



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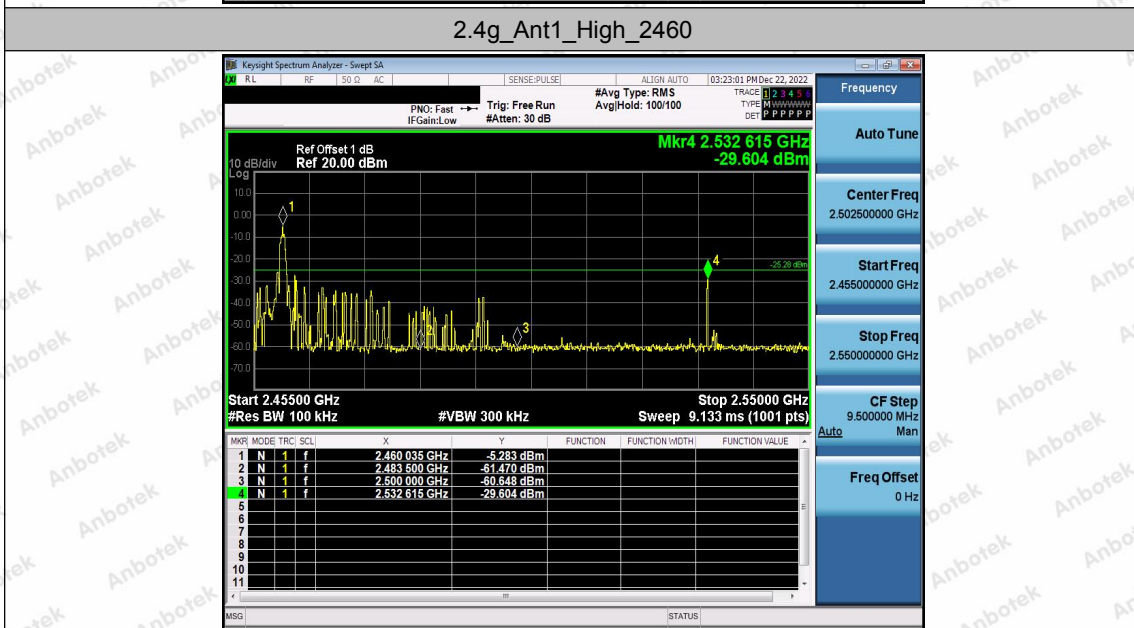
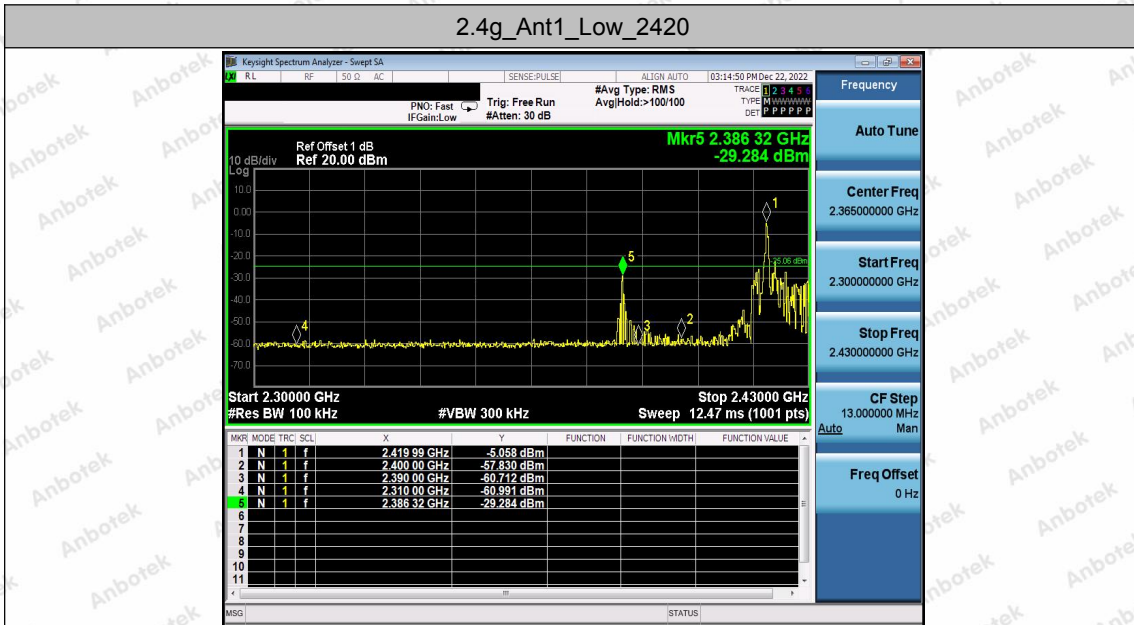
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4g	Ant1	Low	2420	-5.06	-29.28	≤-25.06	PASS
		High	2460	-5.28	-29.6	≤-25.28	PASS



Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4g	Ant1	2420	Reference	-5.13	-5.13	---	PASS
			30~1000	-5.13	-68.82	≤-25.13	PASS
			1000~26500	-5.13	-27.06	≤-25.13	PASS
		2440	Reference	-9.29	-9.29	---	PASS
			30~1000	-9.29	-69.21	≤-29.29	PASS
			1000~26500	-9.29	-38.61	≤-29.29	PASS
		2460	Reference	-5.40	-5.40	---	PASS
			30~1000	-5.40	-68.26	≤-25.4	PASS
			1000~26500	-5.40	-26.87	≤-25.4	PASS

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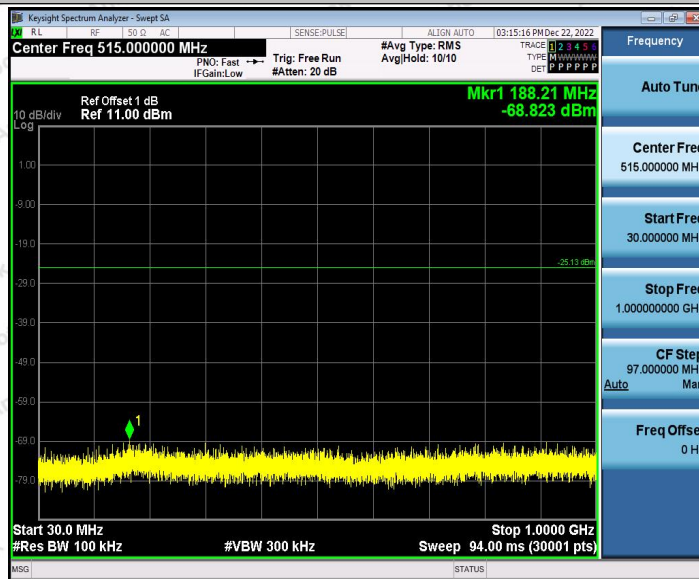


Test Graphs

2.4g_Ant1_2420_0~Reference



2.4g_Ant1_2420_30~1000



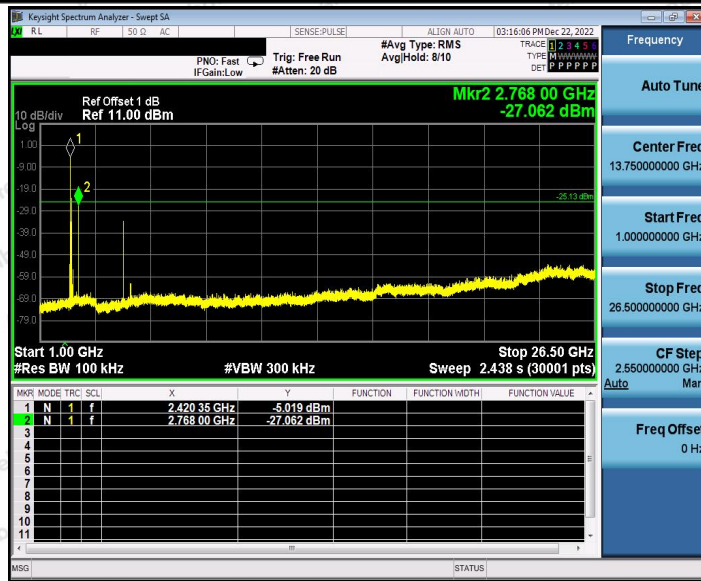
2.4g_Ant1_2420_1000~26500

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2.4g_Ant1_2440_0~Reference



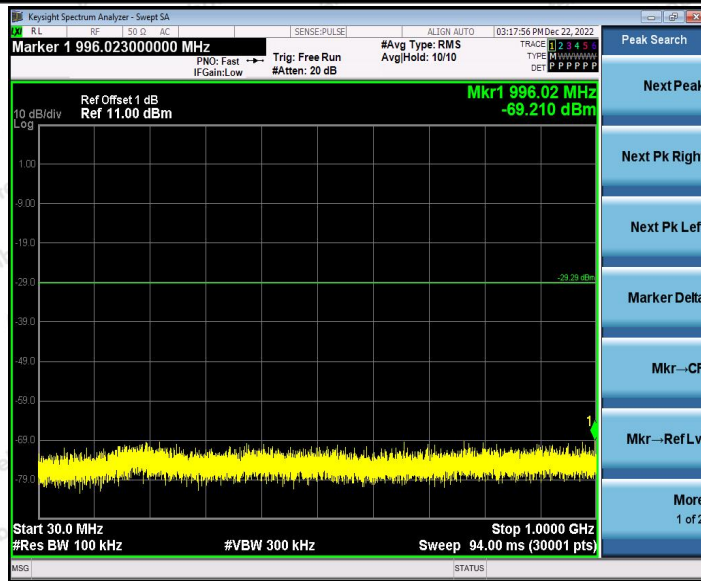
2.4g_Ant1_2440_30~1000

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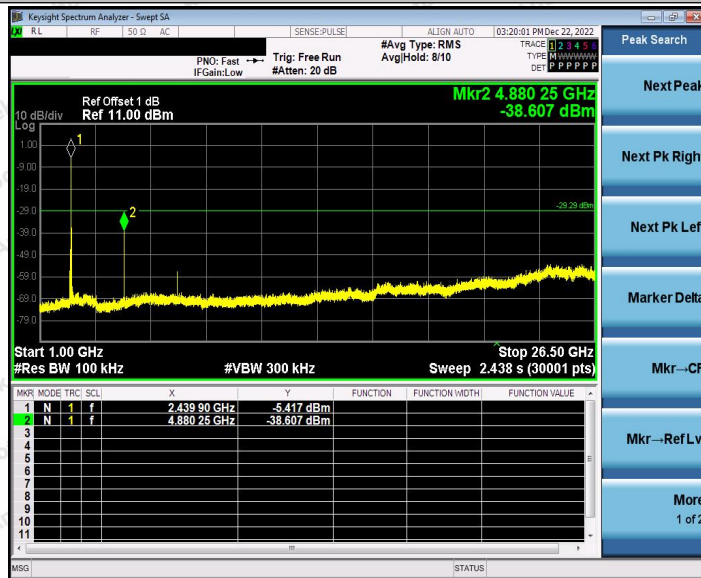
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2.4g_Ant1_2440_1000~26500



2.4g_Ant1_2460_0~Reference

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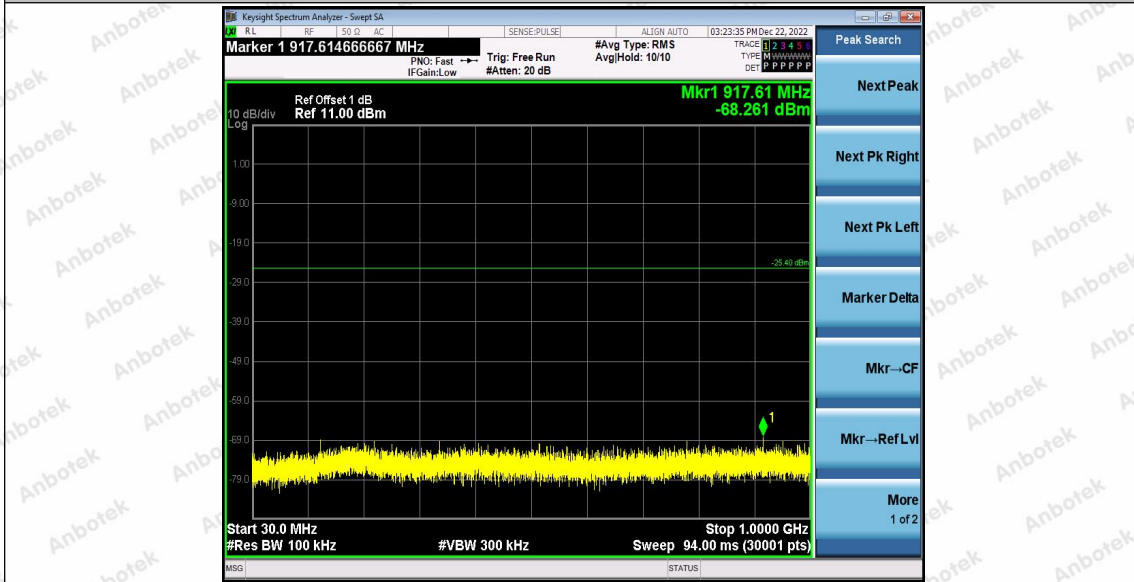
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2.4g_Ant1_2460_30~1000



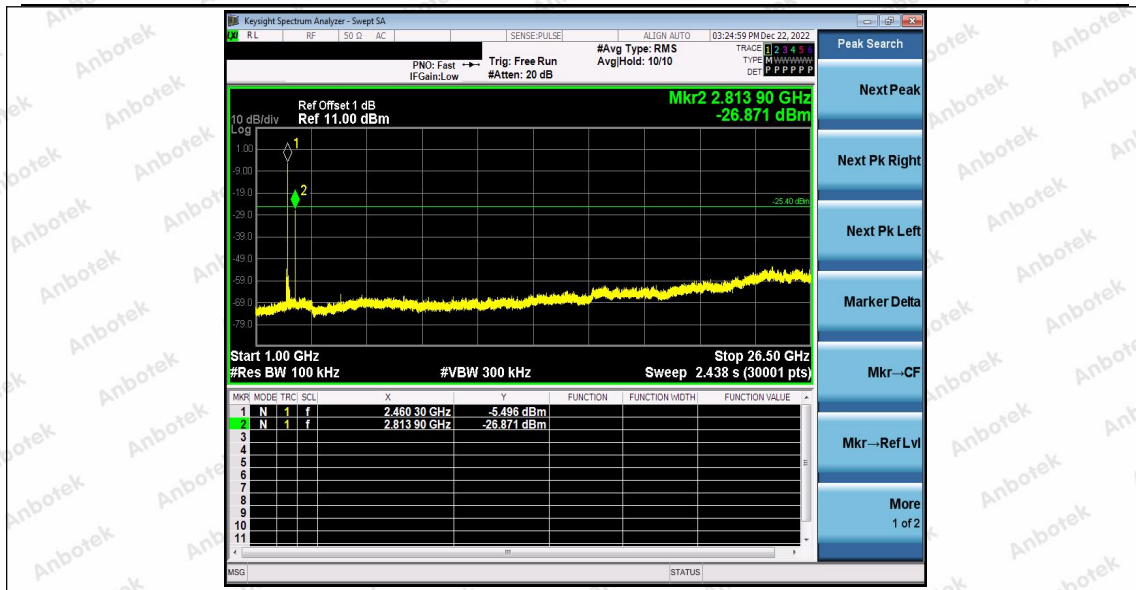
2.4g_Ant1_2460_1000~26500

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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4g	Ant1	2420	0.52	7.98	6.52	11.86
		2440	0.52	7.96	6.53	11.85
		2460	0.54	7.98	6.77	11.69

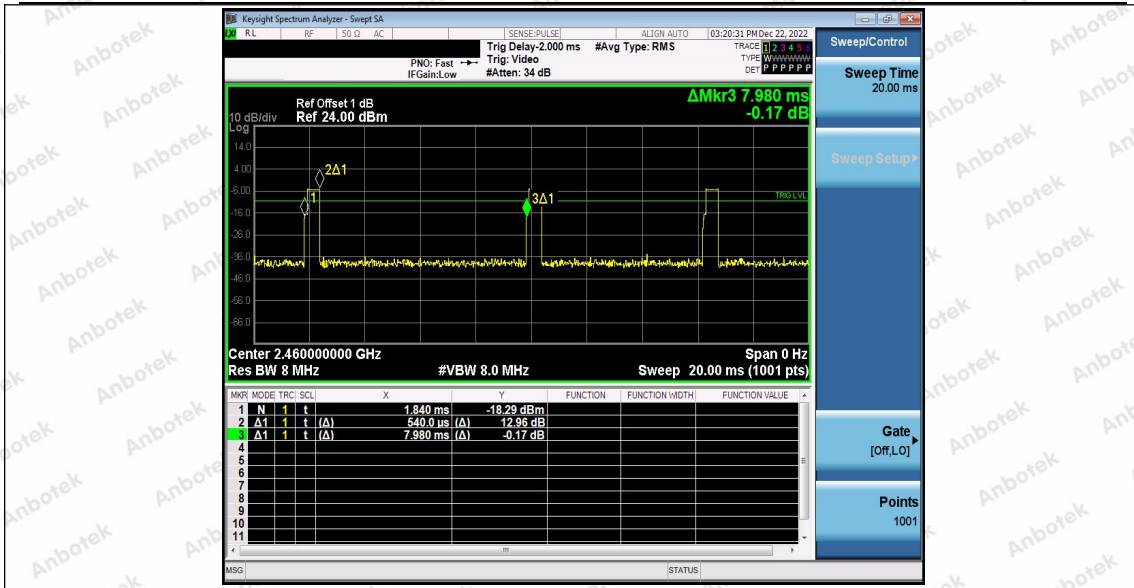
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