

Appendix Test Data

Report No.:	18220WC30001803	Test Sample No.:	1-2-2
Start Test Date:	2023.1.5	Finish Test Date:	2023.1.11
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	Relative Humidity:	47 %
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4g	Ant1	2402	0.812	2401.592	2402.404	0.5	PASS
		2446	0.840	2445.564	2446.404	0.5	PASS
		2479	0.820	2478.564	2479.384	0.5	PASS



Test Graphs

2.4g_Ant1_2402



2.4g_Ant1_2446



2.4g_Ant1_2479

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Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
2.4g	Ant1	2402	1.2734	2401.2519	2402.5253
		2446	1.2797	2445.2568	2446.5365
		2479	1.2571	2478.2751	2479.5322



Test Graphs

2.4g_Ant1_2402



2.4g_Ant1_2446



2.4g_Ant1_2479

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Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4g	Ant1	2402	0.62	≤30	PASS
		2446	1.24	≤30	PASS
		2479	1.81	≤30	PASS



Test Graphs Peak

2.4g_Ant1_2402



2.4g_Ant1_2446



2.4g_Ant1_2479

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Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
2.4g	Ant1	2402	-11.67	≤8.00	PASS
		2446	-11.63	≤8.00	PASS
		2479	-10.66	≤8.00	PASS



Test Graphs

2.4g_Ant1_2402



2.4g_Ant1_2446



2.4g_Ant1_2479

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Appendix E: Band edge measurements

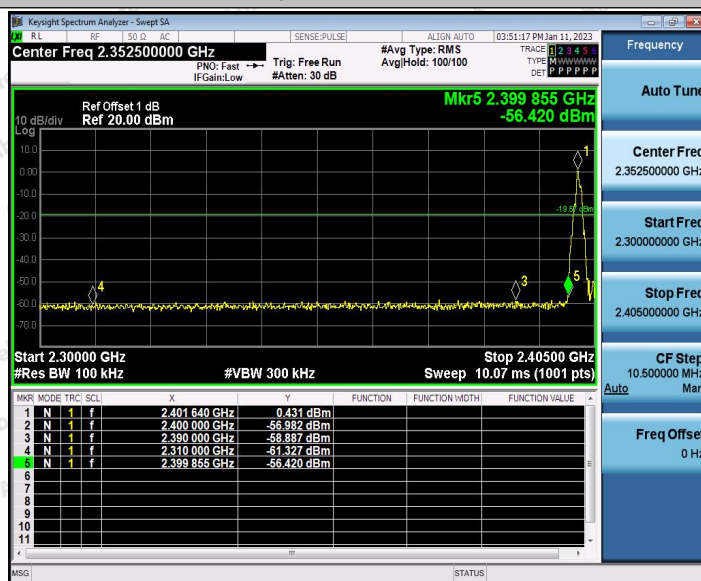
Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4g	Ant1	Low	2402	0.43	-56.42	≤-19.57	PASS
		High	2479	2.09	-53.33	≤-17.91	PASS

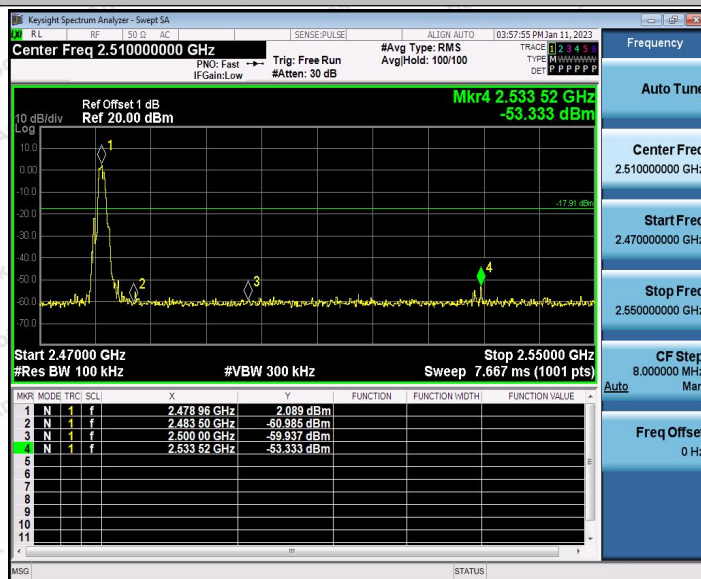


Test Graphs

2.4g_Ant1_Low_2402



2.4g_Ant1_High_2479



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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	2402	Reference	-2.96	-2.96	---	PASS
			30~1000	-2.96	-49.11	≤-22.96	PASS
			1000~26500	-2.96	-34.21	≤-22.96	PASS
		2446	Reference	1.15	1.15	---	PASS
			30~1000	1.15	-48.64	≤-18.85	PASS
			1000~26500	1.15	-36.13	≤-18.85	PASS
		2479	Reference	-0.66	-0.66	---	PASS
			30~1000	-0.66	-48.4	≤-20.66	PASS
			1000~26500	-0.66	-39.15	≤-20.66	PASS

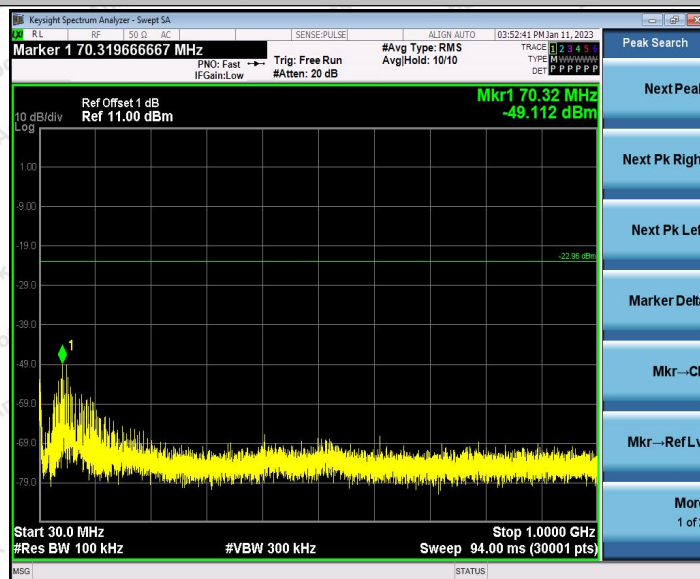


Test Graphs

2.4g_Ant1_2402_0~Reference



2.4g_Ant1_2402_30~1000



2.4g_Ant1_2402_1000~26500

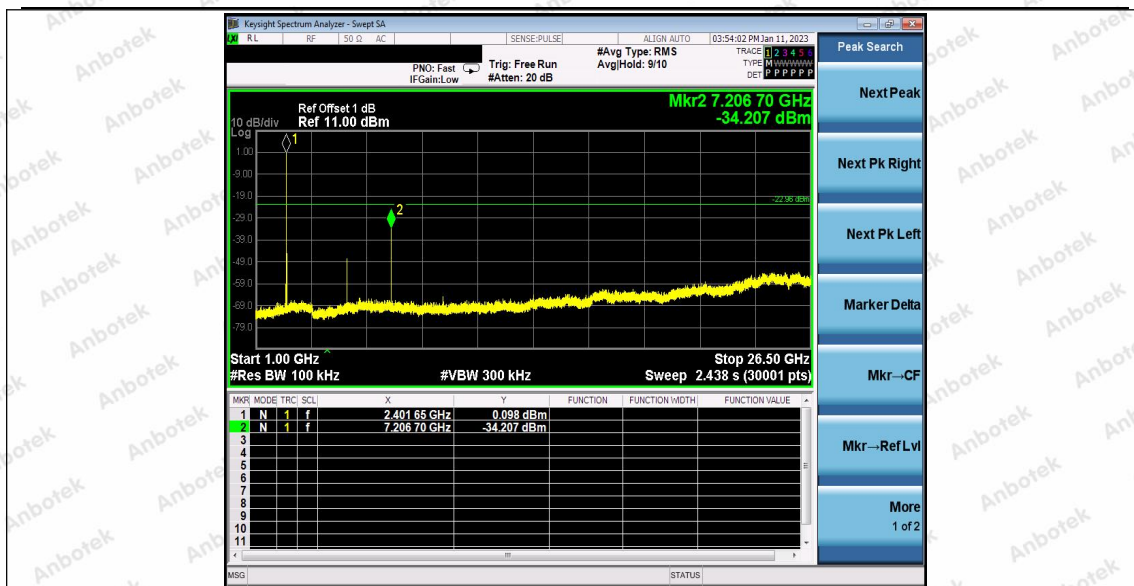
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2.4g_Ant1_2446_0~Reference



2.4g_Ant1_2446_30~1000

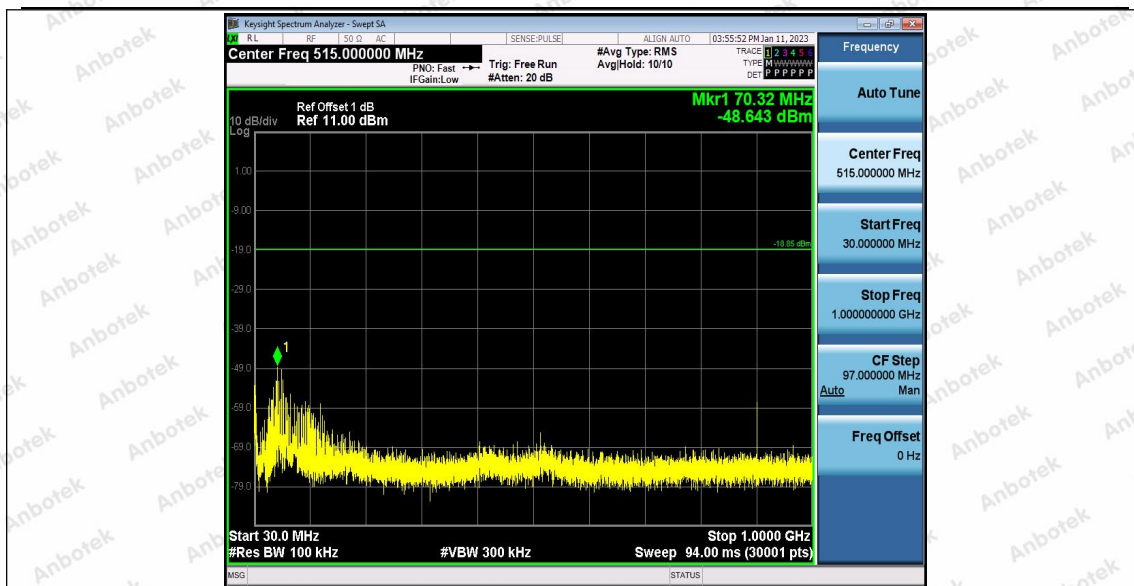
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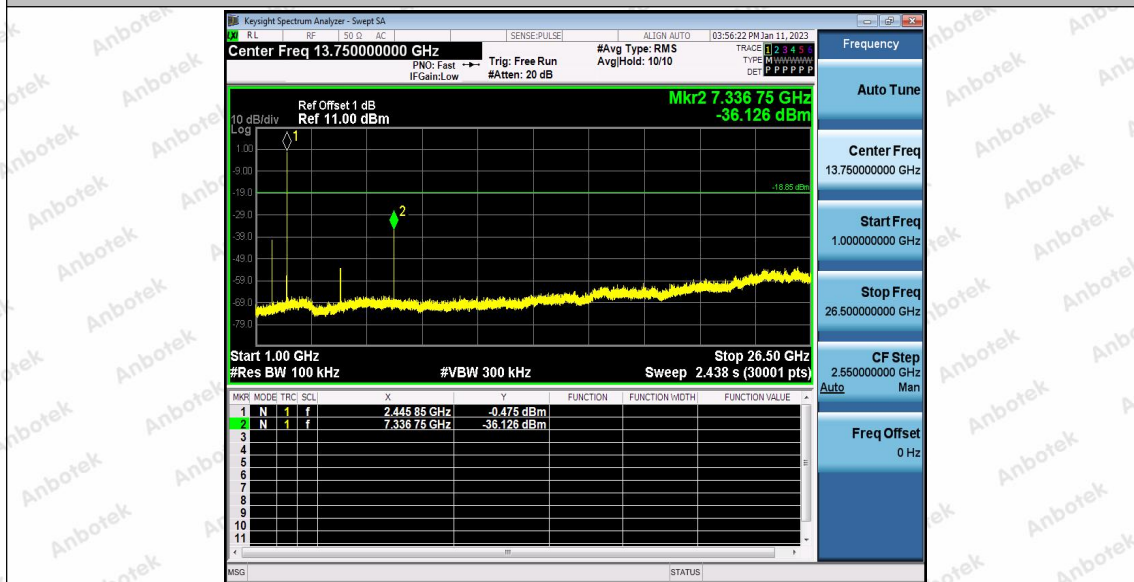


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2.4g_Ant1_2446_1000~26500

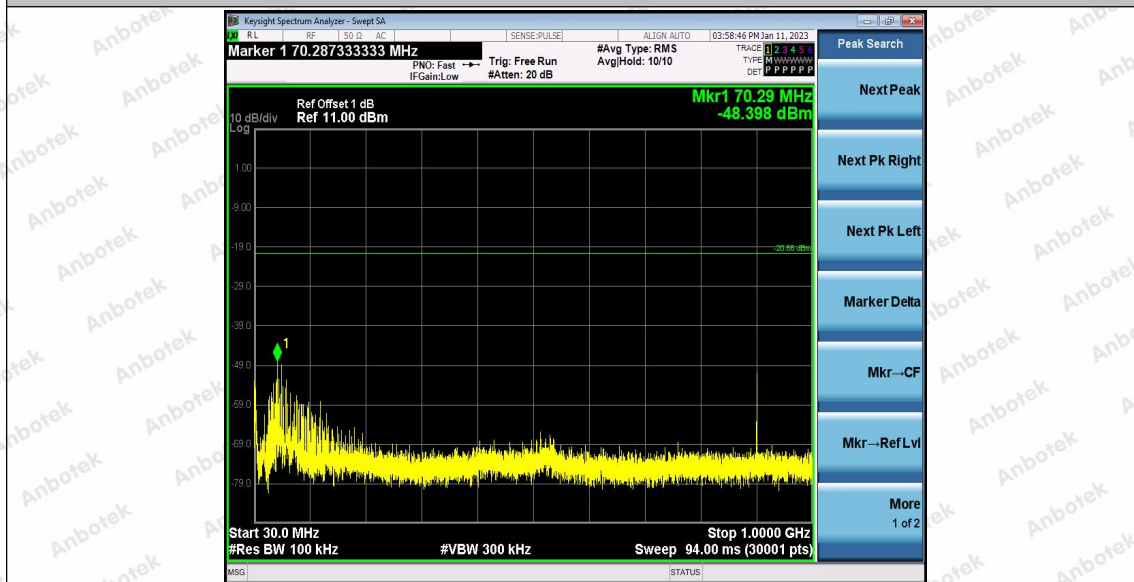


2.4g_Ant1_2479_0~Reference



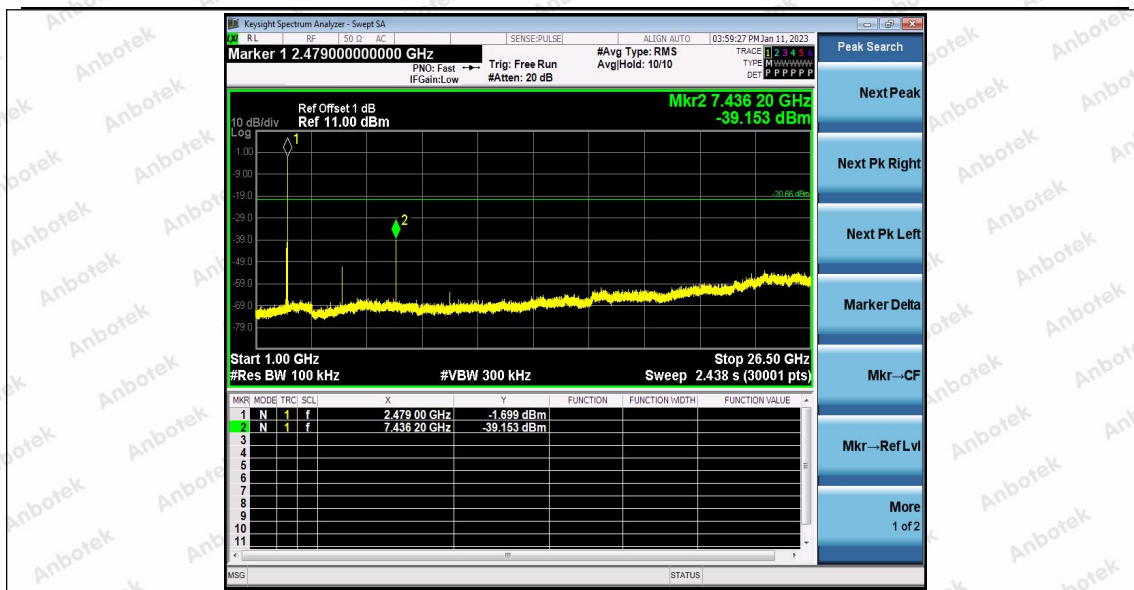


2.4g_Ant1_2479_30~1000



2.4g_Ant1_2479_1000~26500



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Appendix G: Duty Cycle

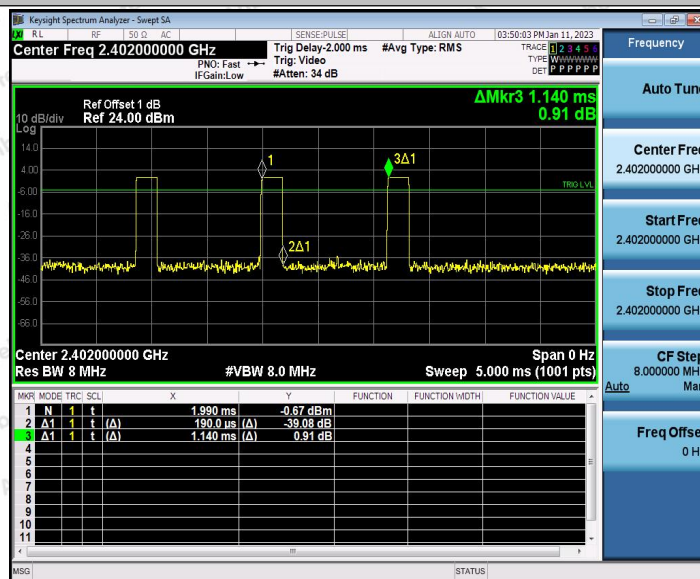
Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4g	Ant1	2402	0.19	1.14	16.67	7.78
		2446	0.19	1.14	16.67	7.78
		2479	0.19	1.12	16.96	7.71

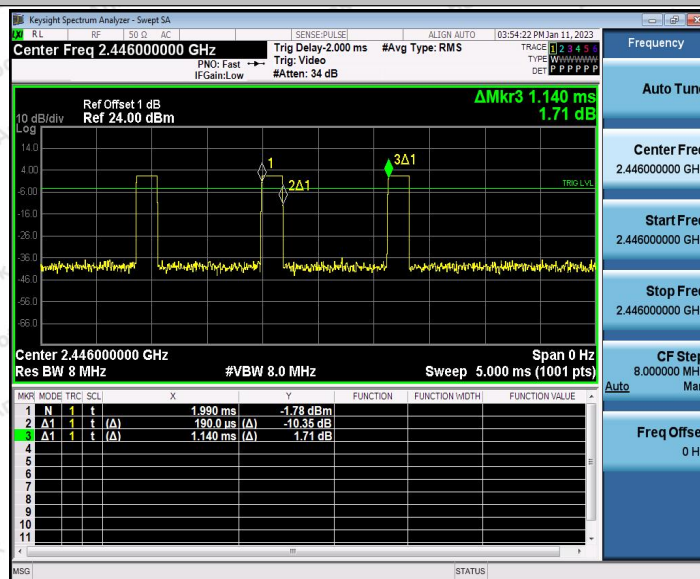


Test Graphs

2.4g_Ant1_2402



2.4g_Ant1_2446



2.4g_Ant1_2479

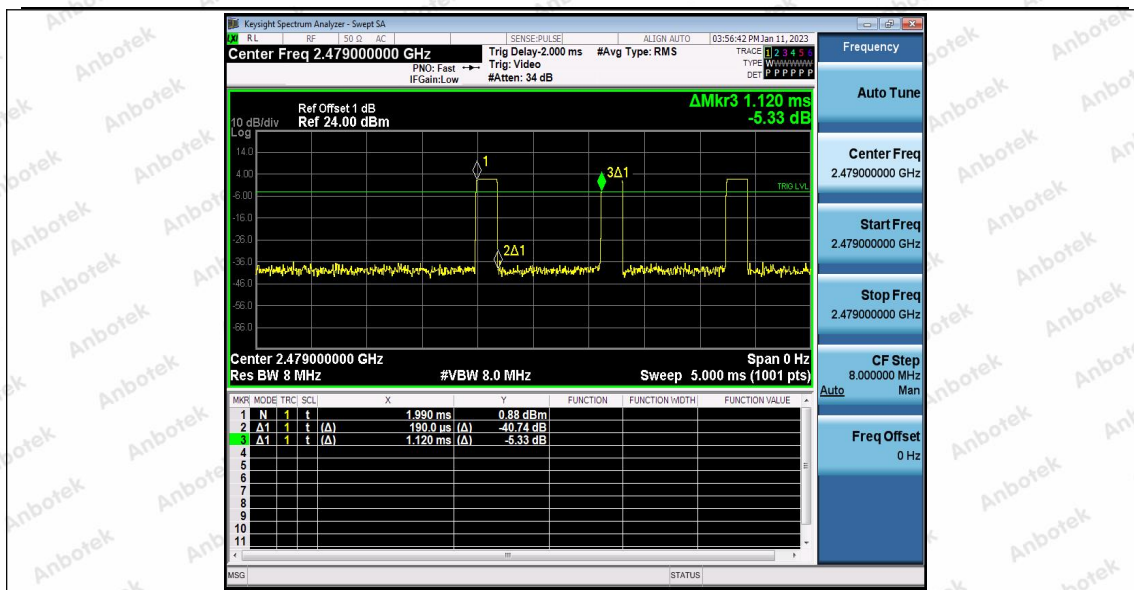
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