

Appendix Test Data

Report No.:	18220WC20255501	Test Sample No.:	1-2-2
Start Test Date:	2022.11.2	Finish Test Date:	2022.11.11
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	27.3°C	Relative Humidity:	47 %
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	2405	1.844	2404.100	2405.944	0.5	PASS
		2451	1.812	2450.180	2451.992	0.5	PASS
		2475	1.632	2474.232	2475.864	0.5	PASS



Test Graphs

2.4G_Ant1_2405



2.4G_Ant1_2451



2.4G_Ant1_2475

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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
2.4G	Ant1	2405	2.3854	2403.8520	2406.2374
		2451	2.4012	2449.8742	2452.2754
		2475	2.4322	2473.8346	2476.2668



Test Graphs

2.4G_Ant1_2405



2.4G_Ant1_2451



2.4G_Ant1_2475

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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2405	1.99	≤30	PASS
		2451	1.61	≤30	PASS
		2475	1.5	≤30	PASS



Test Graphs

2.4G_Ant1_2405



2.4G_Ant1_2451



2.4G_Ant1_2475

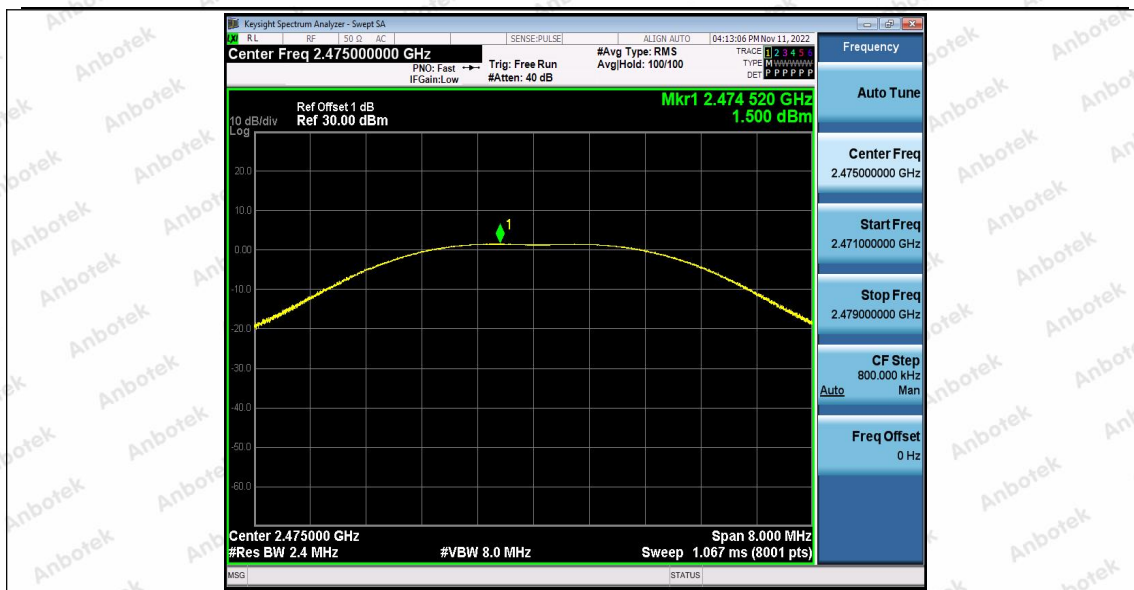
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Appendix D: Maximum power spectral density

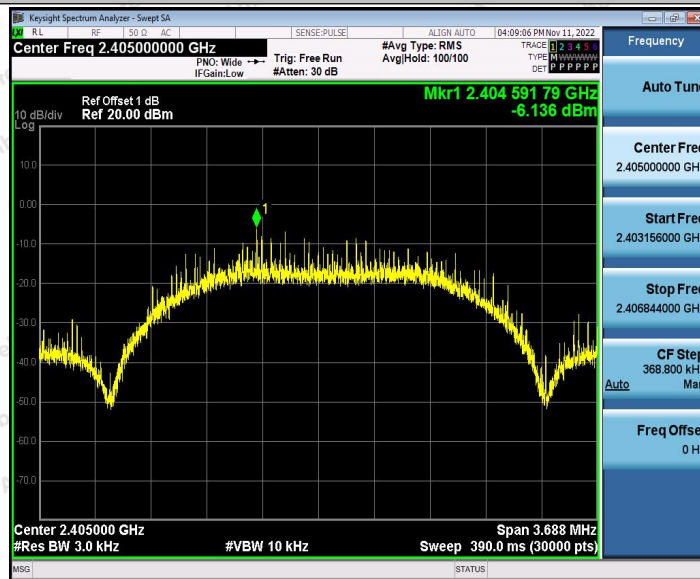
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
2.4G	Ant1	2405	-6.14	≤8.00	PASS
		2451	-8.3	≤8.00	PASS
		2475	-8.01	≤8.00	PASS

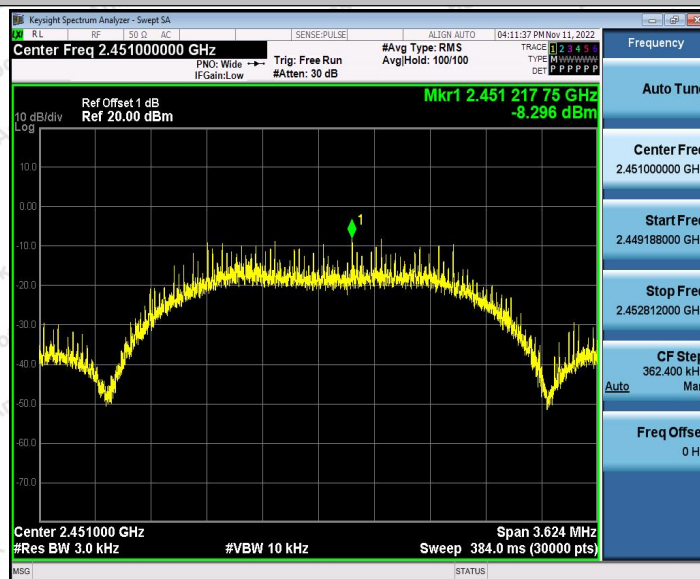


Test Graphs

2.4G_Ant1_2405



2.4G_Ant1_2451



2.4G_Ant1_2475

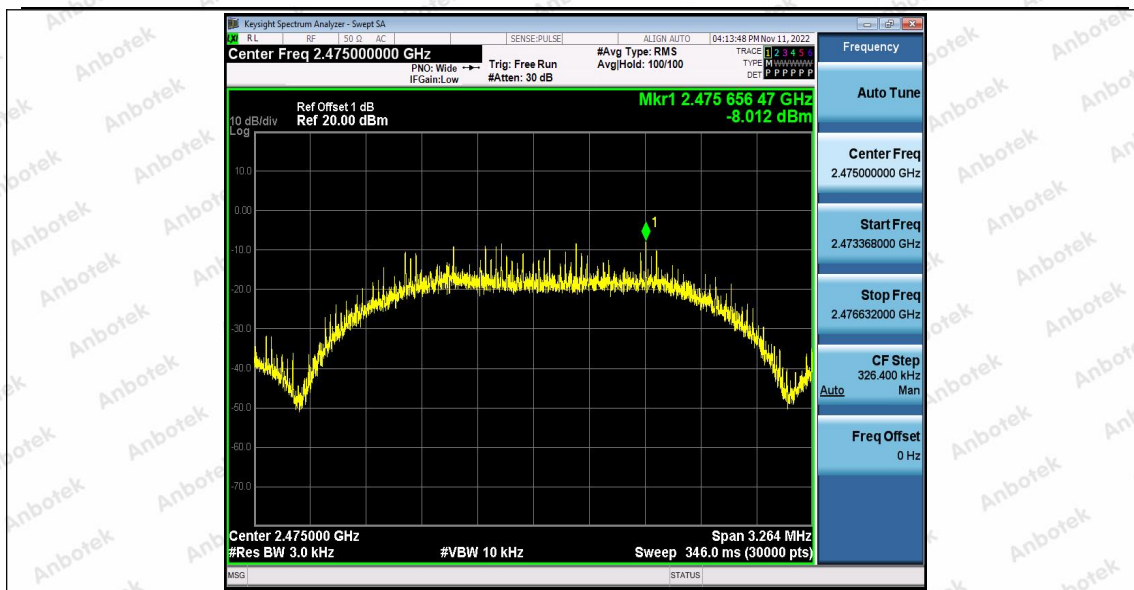
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Appendix E: Band edge measurements

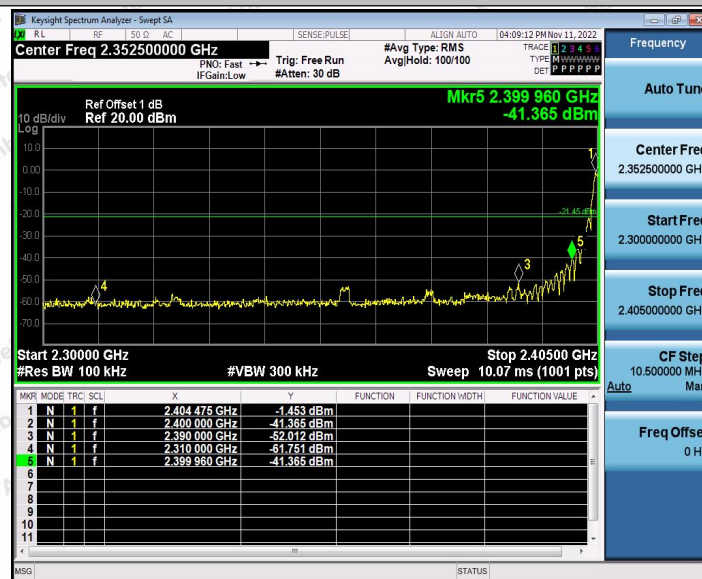
Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4G	Ant1	Low	2405	-1.45	-41.37	≤-21.45	PASS
		High	2475	-1.43	-49.94	≤-21.43	PASS



Test Graphs

2.4G_Ant1_Low_2405



2.4G_Ant1_High_2475



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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	2405	Reference	-1.63	-1.63	---	PASS
			30~1000	-1.63	-54.94	≤-21.63	PASS
			1000~26500	-1.63	-37.56	≤-21.63	PASS
		2451	Reference	-2.05	-2.05	---	PASS
			30~1000	-2.05	-55.41	≤-22.05	PASS
			1000~26500	-2.05	-35.5	≤-22.05	PASS
		2475	Reference	-1.95	-1.95	---	PASS
			30~1000	-1.95	-54.12	≤-21.95	PASS
			1000~26500	-1.95	-33.88	≤-21.95	PASS

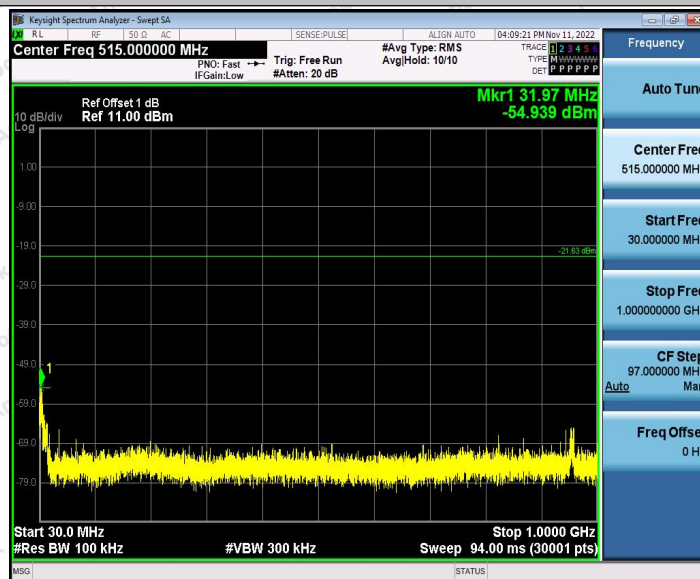


Test Graphs

2.4G_Ant1_2405_0~Reference



2.4G_Ant1_2405_30~1000



2.4G_Ant1_2405_1000~26500

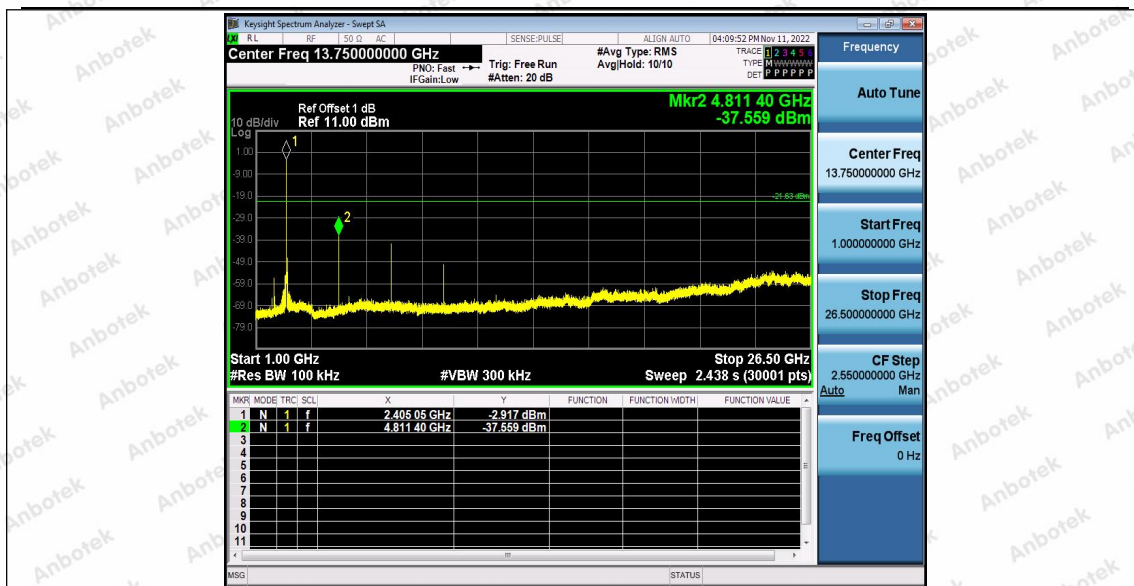
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2.4G_Ant1_2451_0~Reference



2.4G_Ant1_2451_30~1000

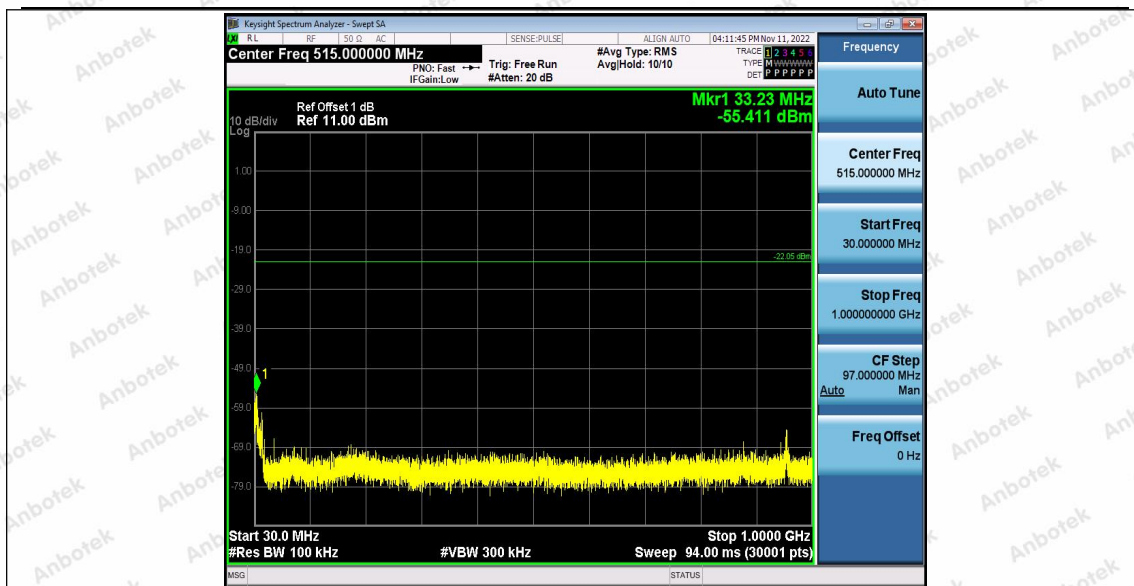
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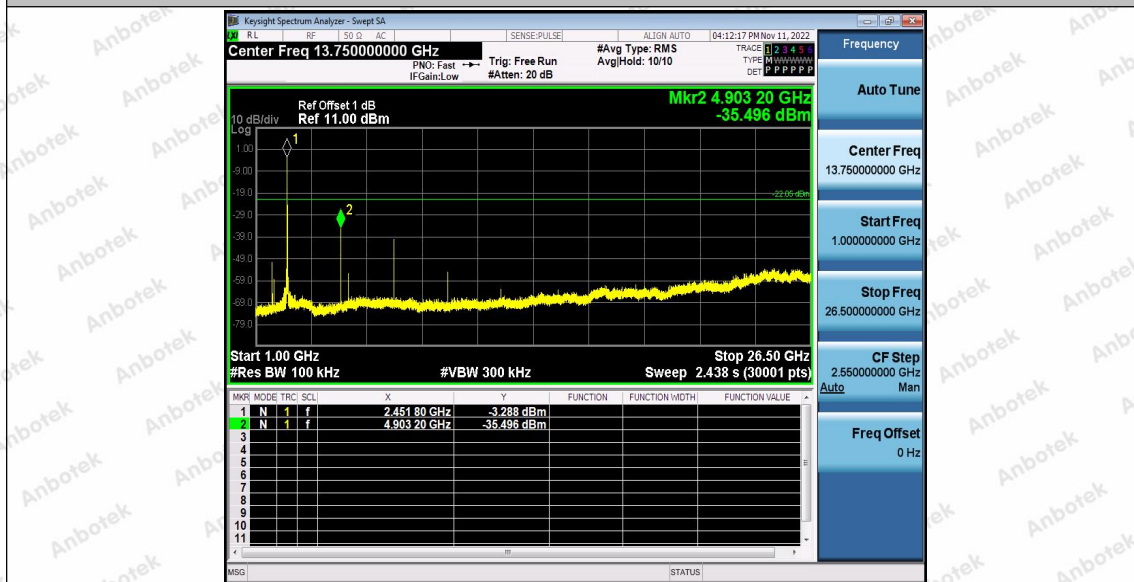


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2.4G_Ant1_2451_1000~26500

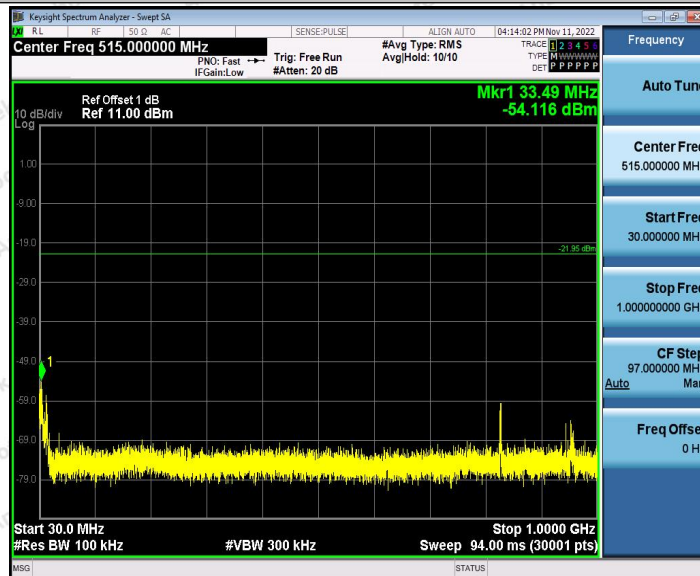


2.4G_Ant1_2475_0~Reference





2.4G_Ant1_2475_30~1000



2.4G_Ant1_2475_1000~26500

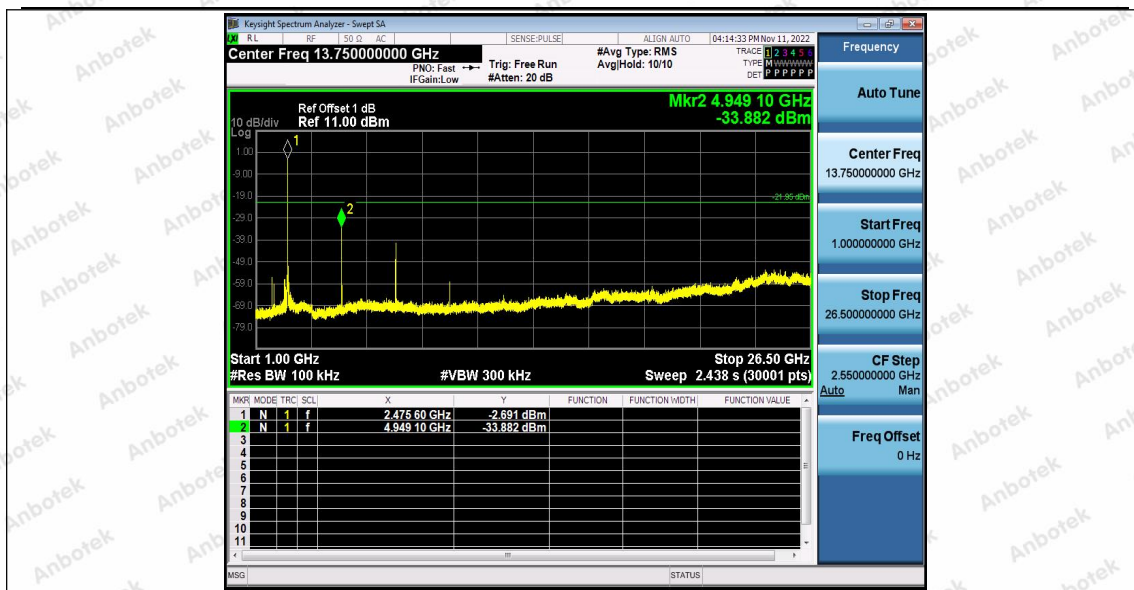
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Appendix G: Duty Cycle

Test Result

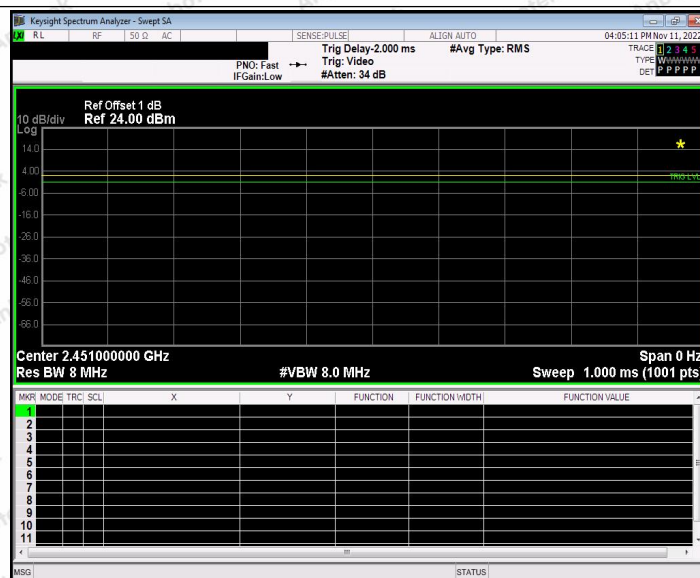
TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2405	1	1	100	0
		2451	1	1	100	0
		2475	1	1	100	0

Test Graphs

2.4G_Ant1_2405



2.4G_Ant1_2451



2.4G_Ant1_2475

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