

Appendix Test Data

Report No:	18220WC20167302	Test Sample NO:	1-2-2
Start Test Date :	2022.7.26	Finish Test Date:	2022.8.16
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	27.3C°	Relative Humidity:	48%
Pressure:	1012 hPa		

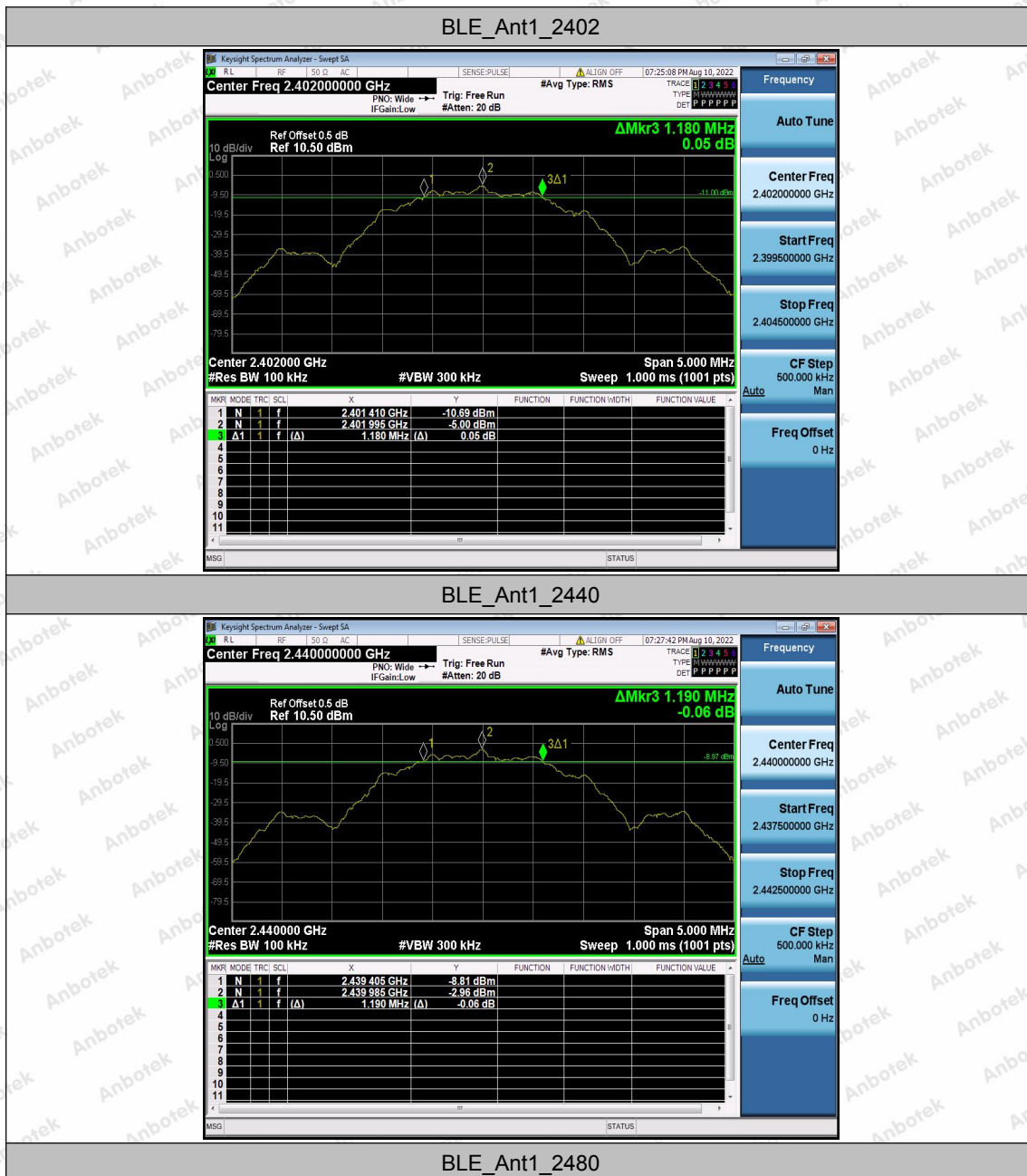
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	1.180	2401.410	2402.590	≥0.5	PASS
	Ant1	2440	1.190	2439.405	2440.595	≥0.5	PASS
		2480	1.185	2479.400	2480.585	≥0.5	PASS



Test Graphs



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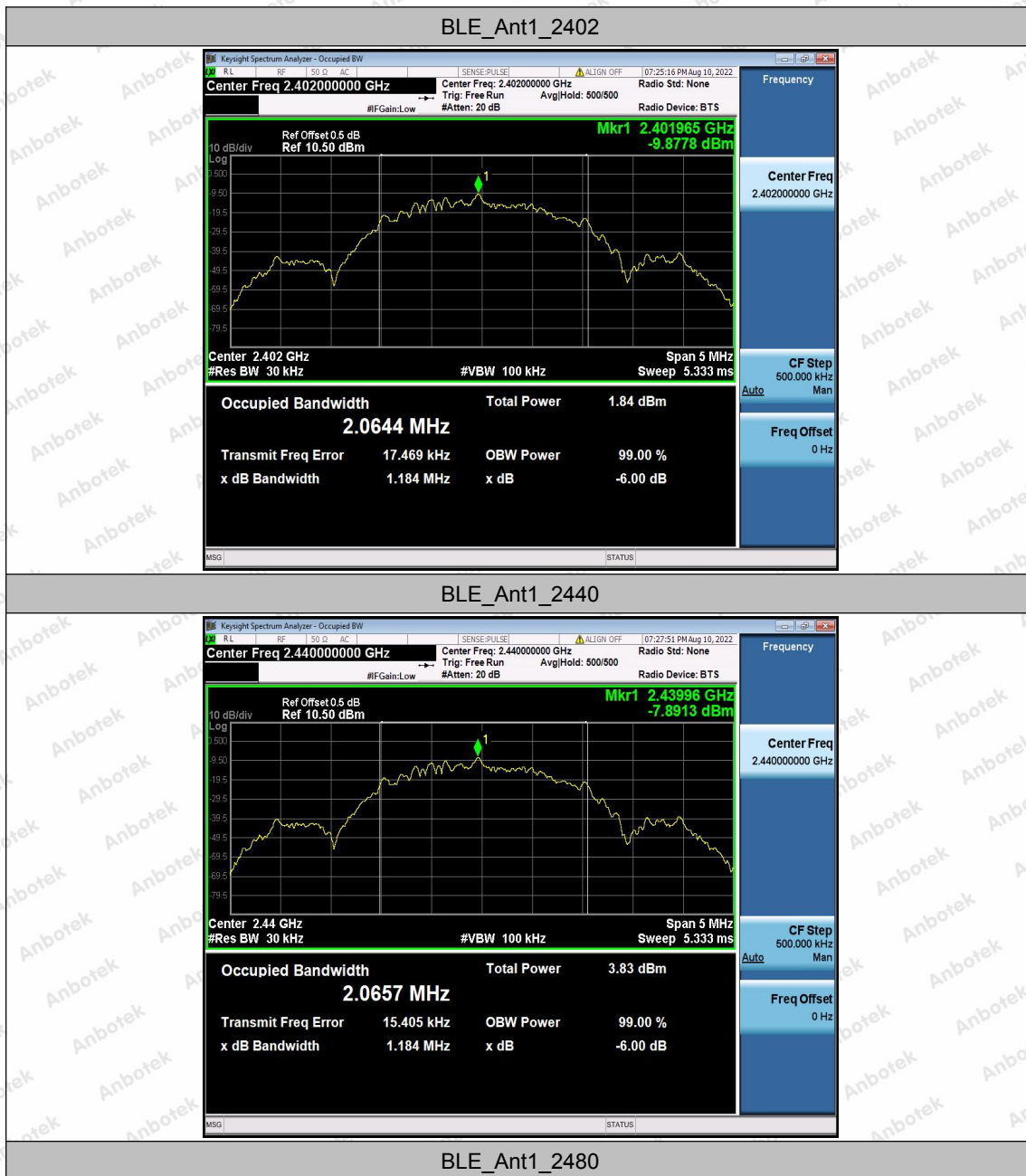
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	2.0644	2400.9853	2403.0497	---	---
	Ant1	2440	2.0657	2438.9826	2441.0483	---	---
		2480	2.0678	2478.9797	2481.0475	---	---



Test Graphs



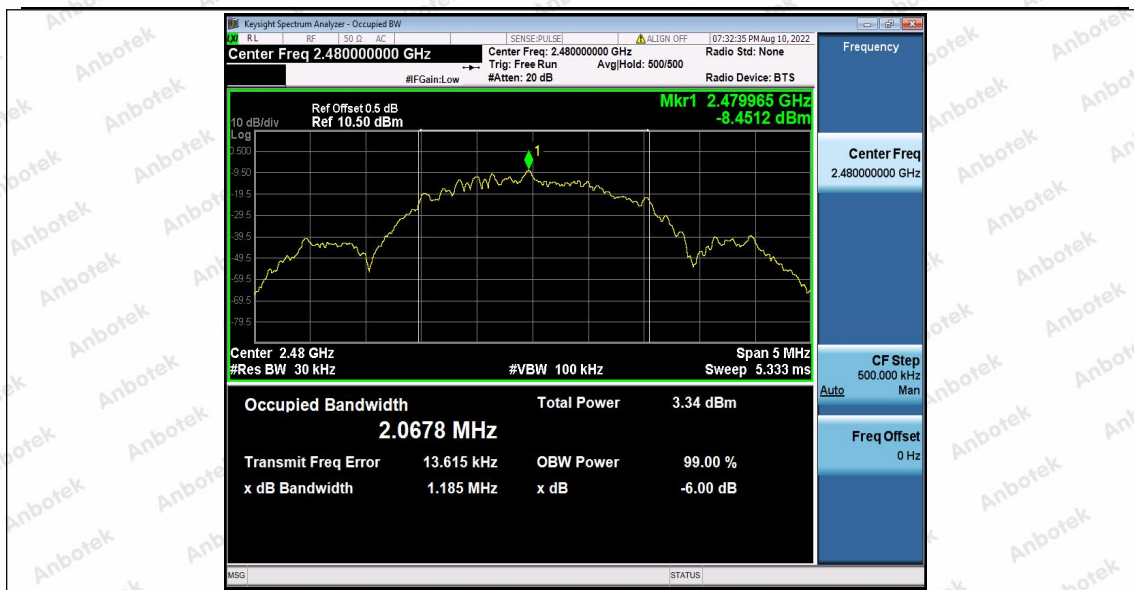
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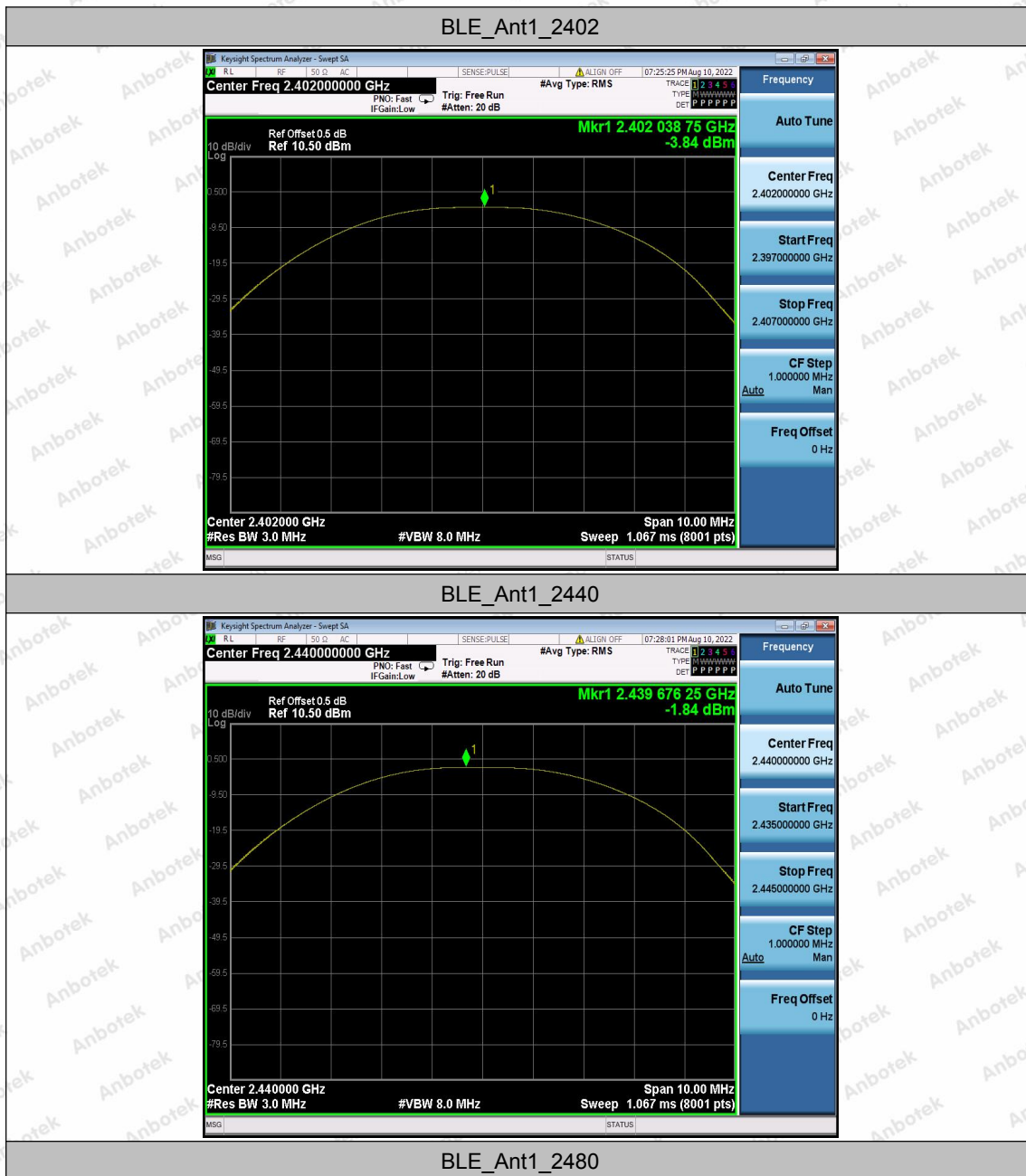
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE	Ant1	2402	-3.84	≤30	PASS
	Ant1	2440	-1.84	≤30	PASS
		2480	-2.33	≤30	PASS



Test Graphs Peak



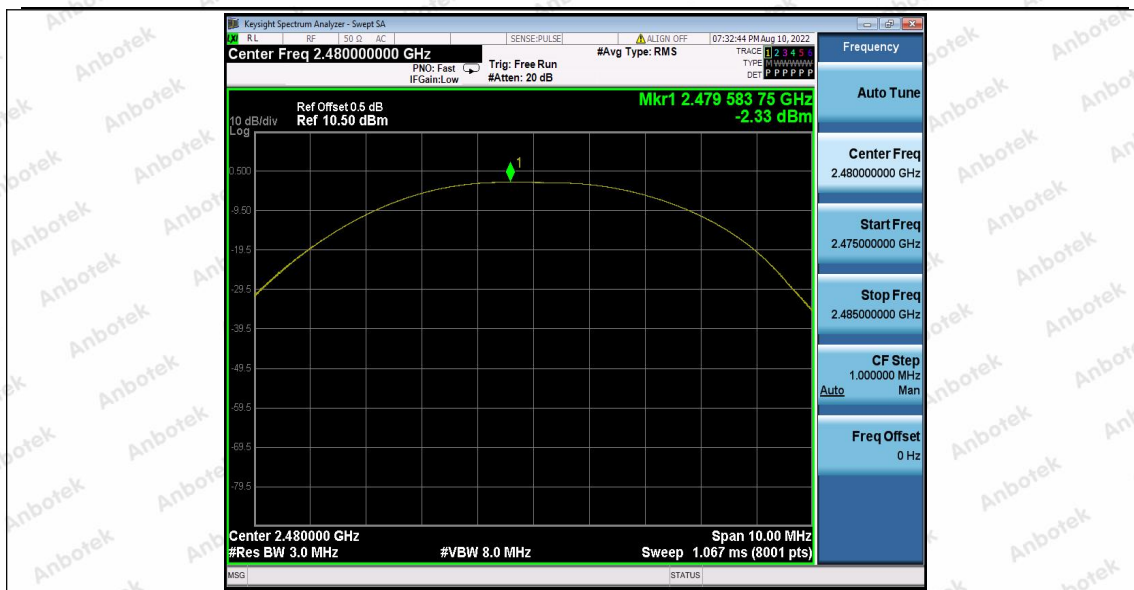
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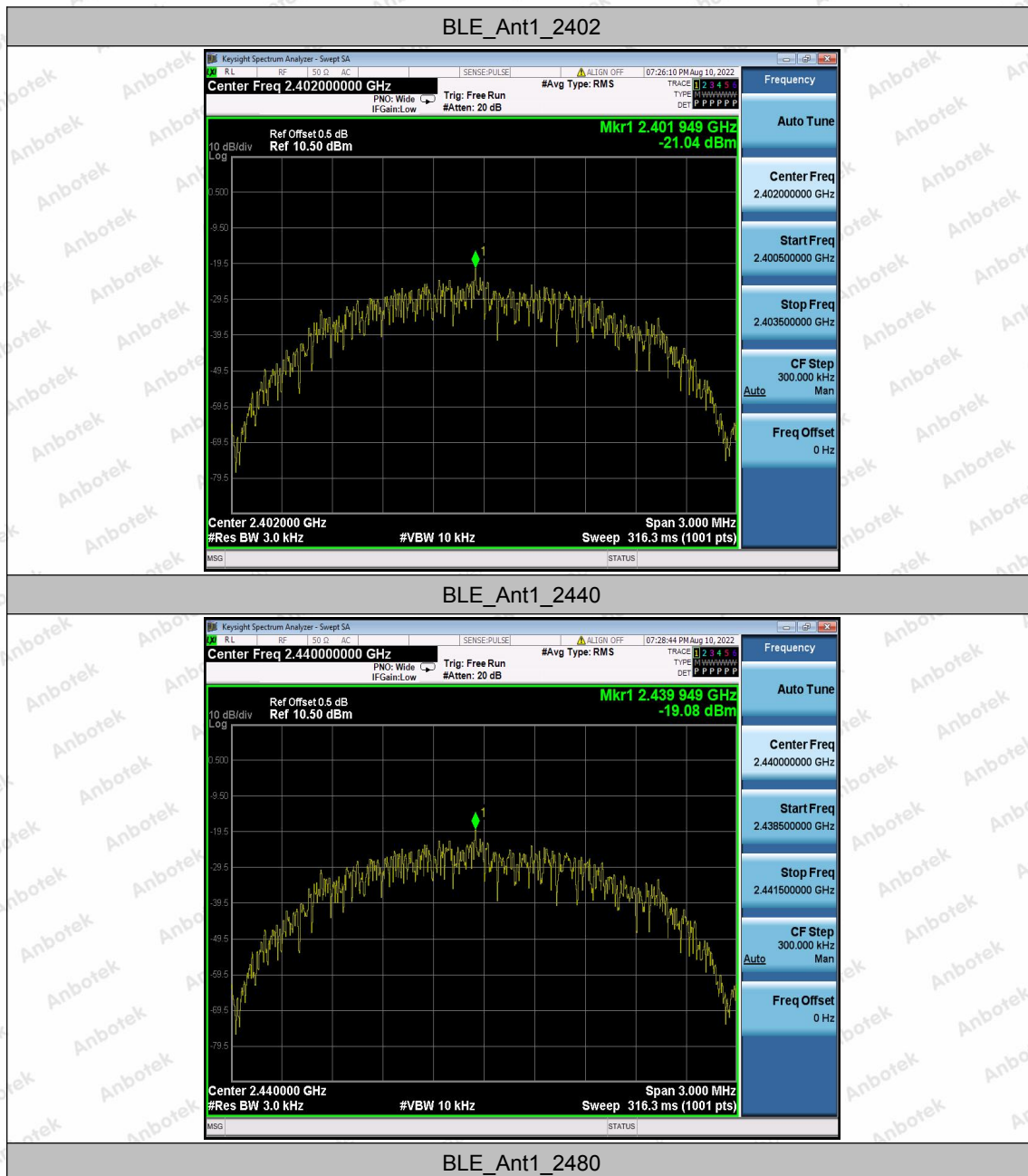
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-21.04	≤8	PASS
		2440	-19.09	≤8	PASS
		2480	-19.6	≤8	PASS



Test Graphs



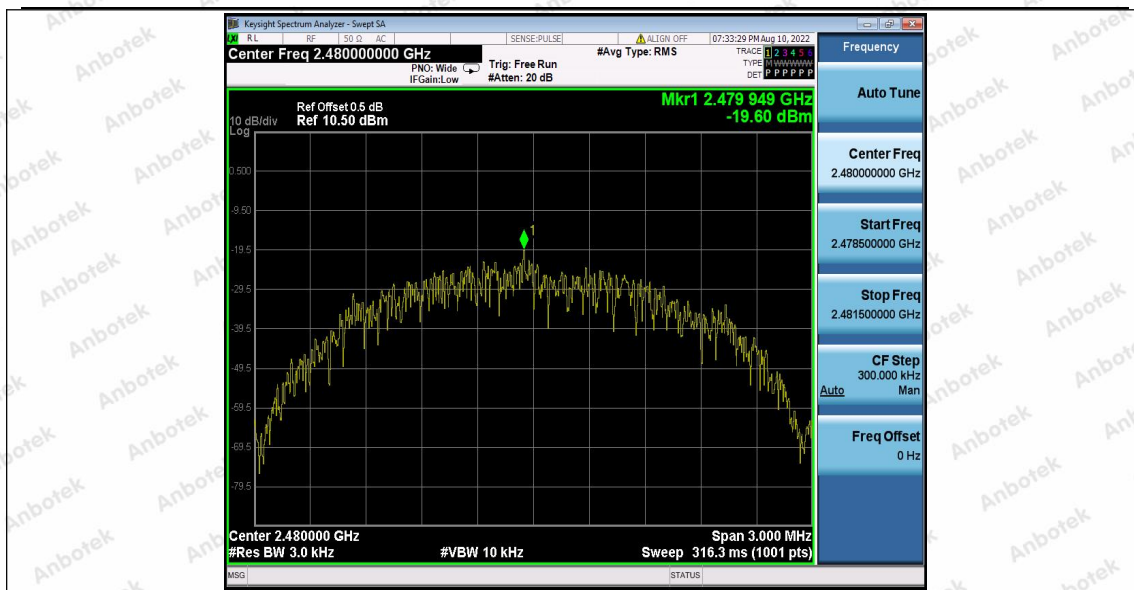
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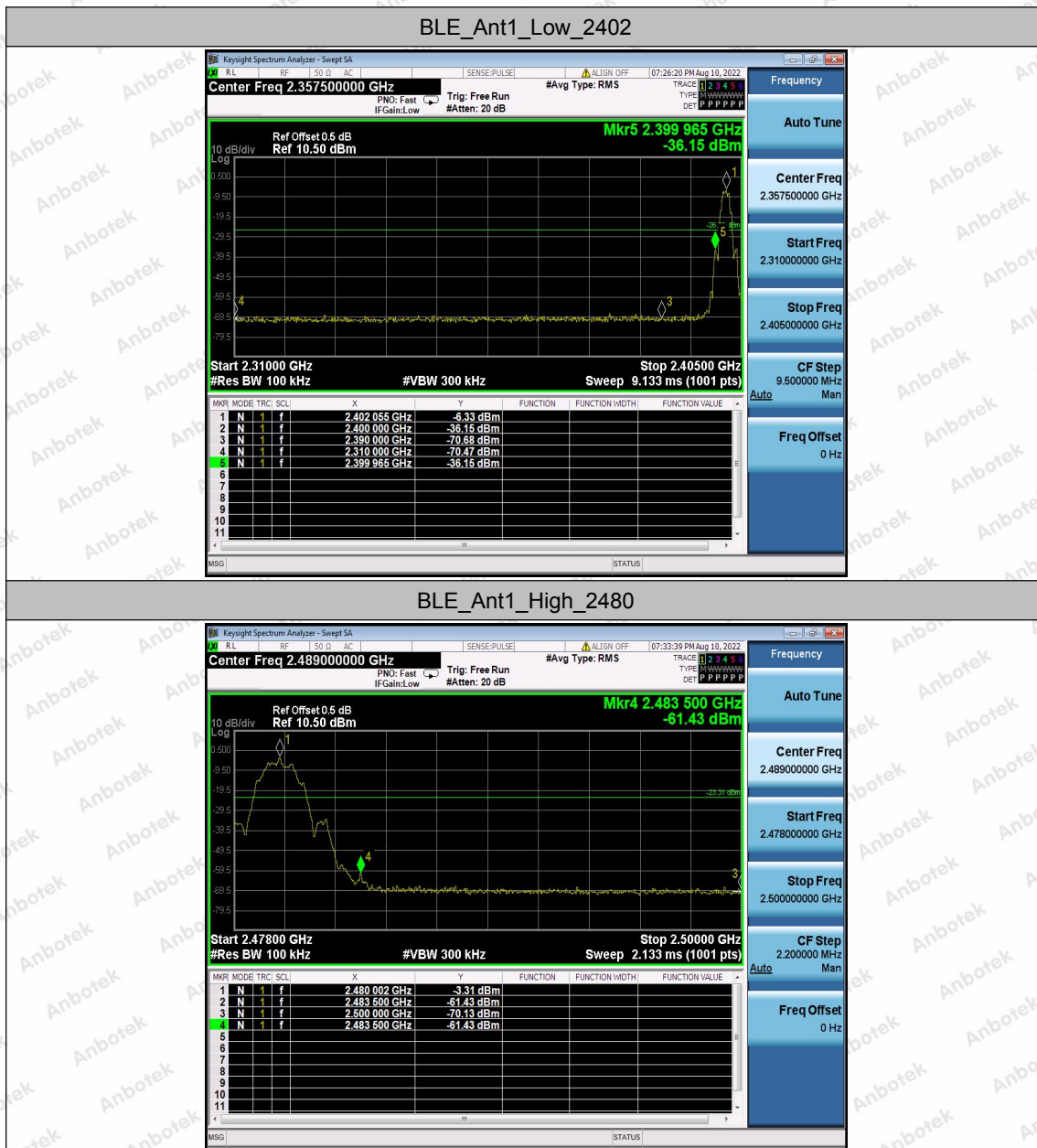
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	-6.33	-36.15	≤-26.33	PASS
		High	2480	-3.31	-61.43	≤-23.31	PASS



Test Graphs



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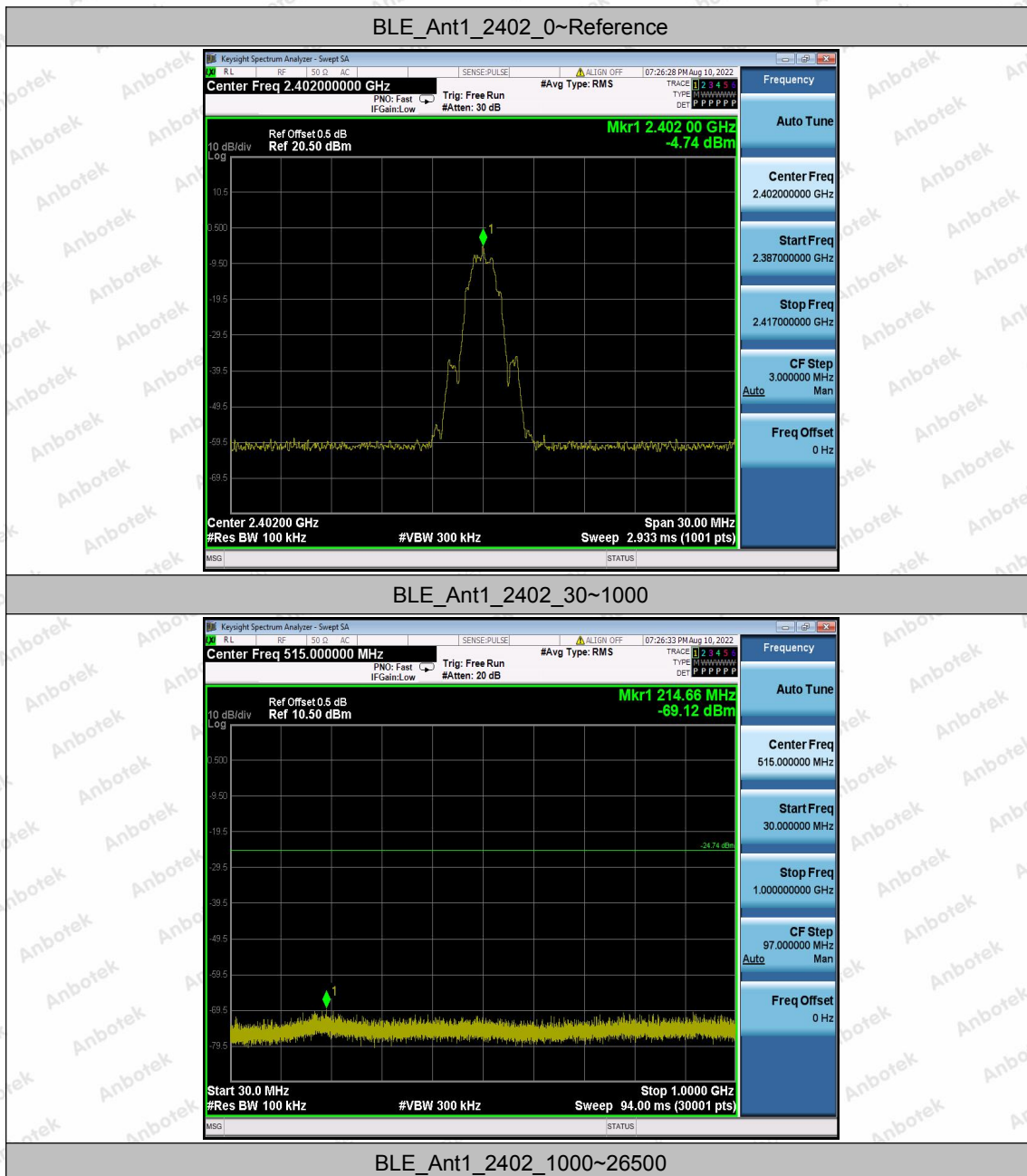
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	-4.74	-4.74	---	PASS
			30~1000	-4.74	-69.12	≤-24.74	PASS
			1000~26500	-4.74	-53.74	≤-24.74	PASS
		2440	Reference	-2.93	-2.93	---	PASS
			30~1000	-2.93	-69.69	≤-22.93	PASS
			1000~26500	-2.93	-53.62	≤-22.93	PASS
		2480	Reference	-3.27	-3.27	---	PASS
			30~1000	-3.27	-69.36	≤-23.27	PASS
			1000~26500	-3.27	-54.14	≤-23.27	PASS



Test Graphs



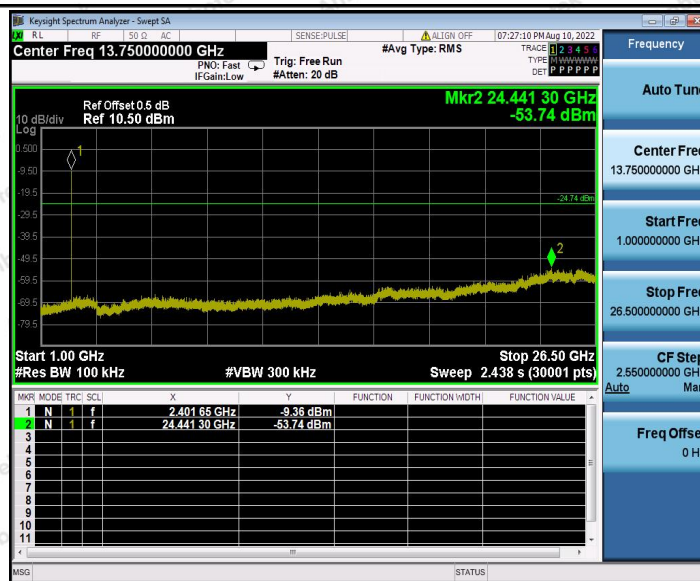
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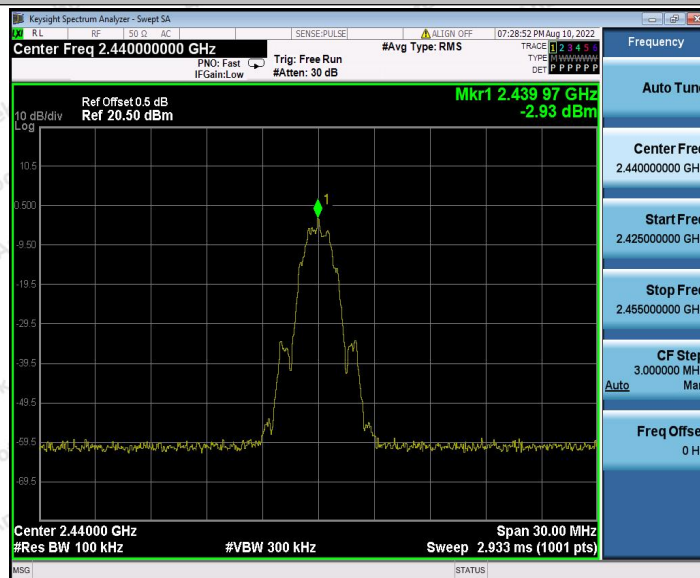


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BLE_Ant1_2440_0~Reference



BLE_Ant1_2440_30~1000

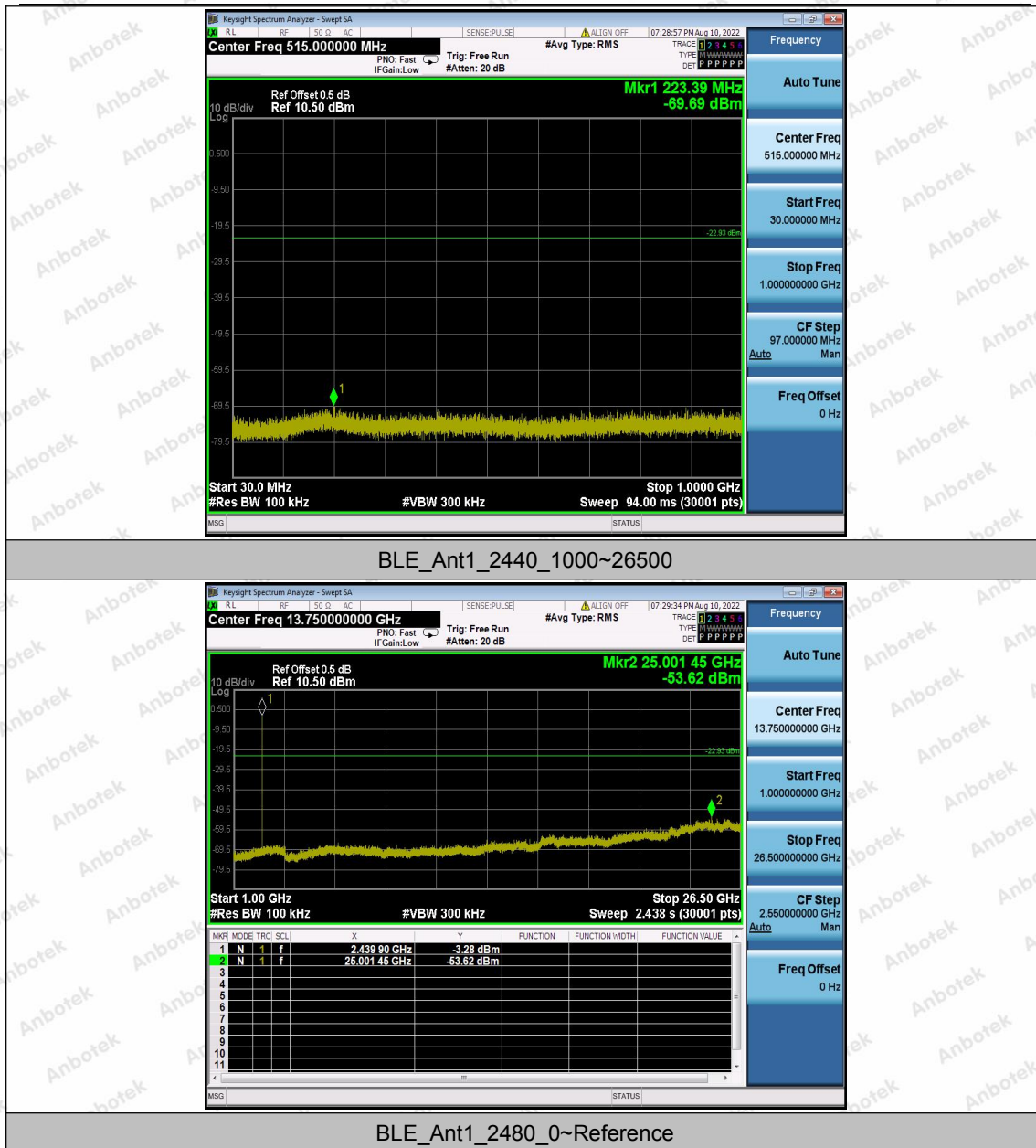
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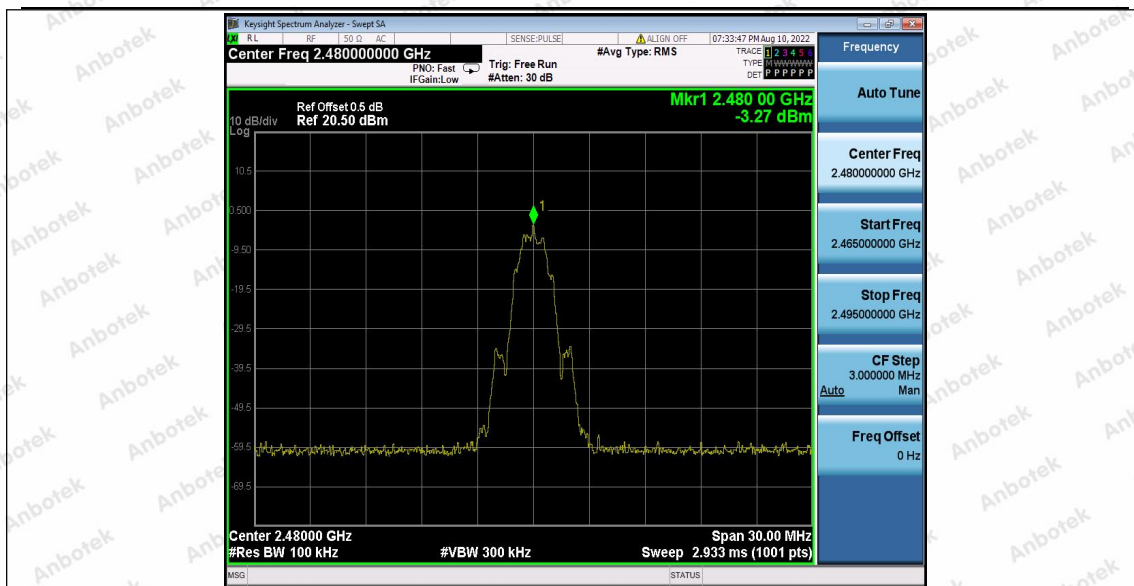
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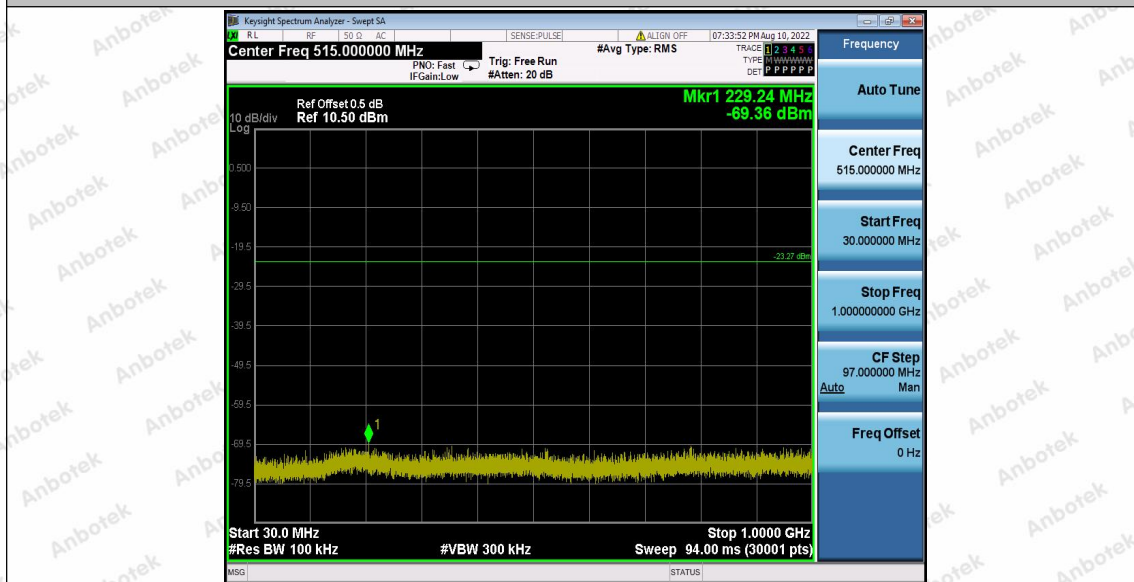


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BLE_Ant1_2480_30~1000



BLE_Ant1_2480_1000~26500

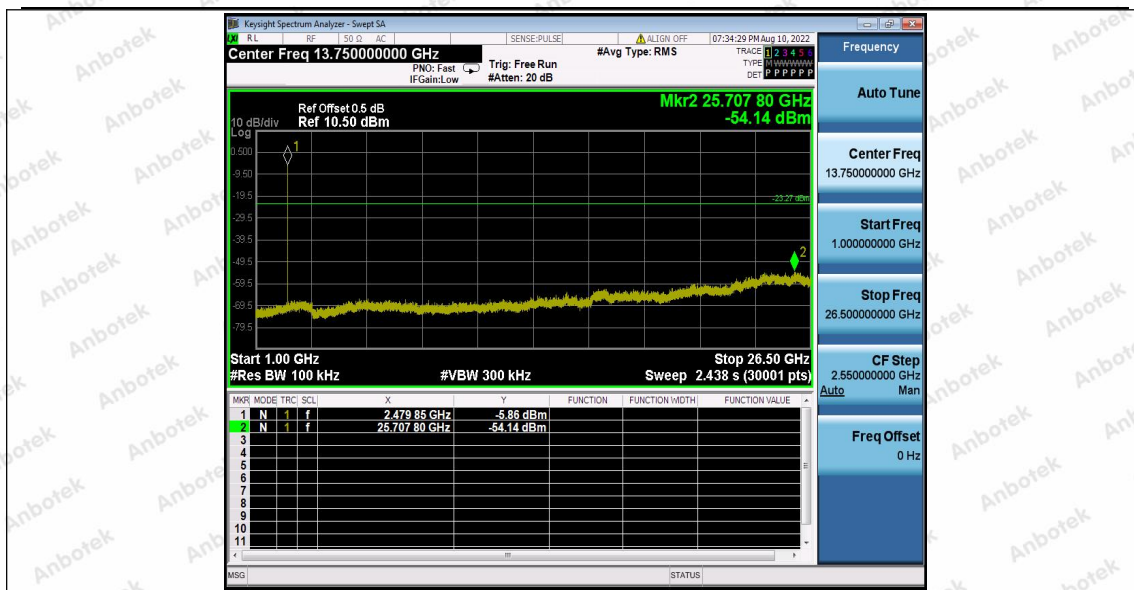
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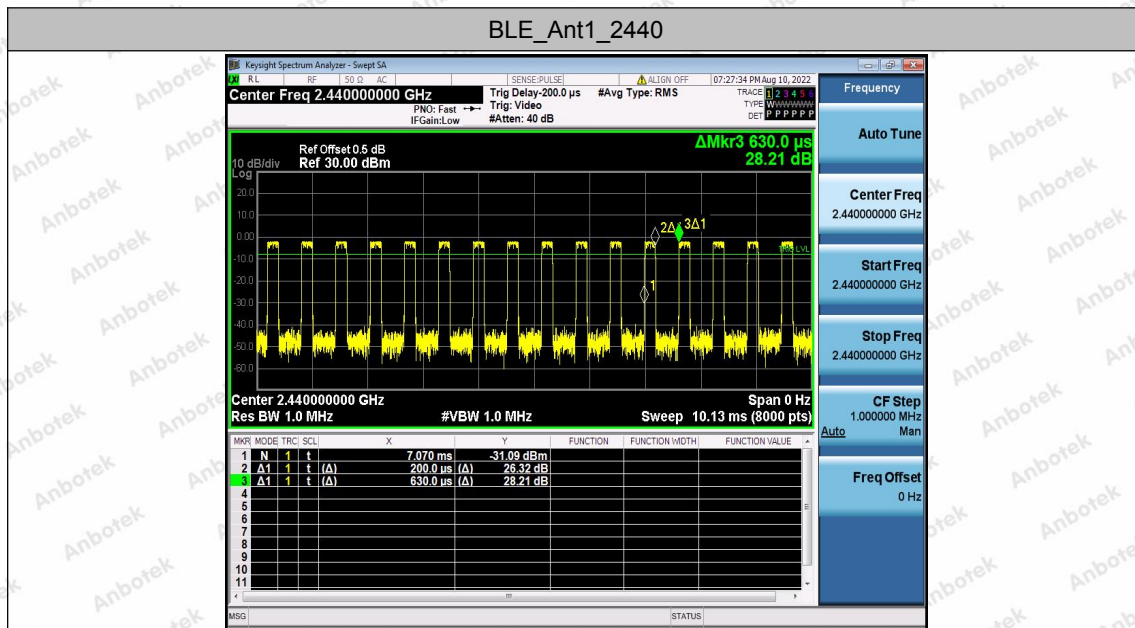
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE	Ant1	2440	0.20	0.63	31.75	4.98



Test Graphs



---End---

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