

Appendix Test Data

Report No.:	18220WC30245901	Test Sample No.:	1-2-2
Start Test Date:	2023.11.27	Finish Test Date:	2023.12.02
Test Engineer:	Hayman Chen	Auditor:	RICK Luo
Temperature:	25.5°C	Relative Humidity:	43%
Pressure:	101kPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.712	2401.648	2402.360	0.5	PASS
		2440	0.700	2439.660	2440.360	0.5	PASS
		2480	0.688	2479.652	2480.340	0.5	PASS

Test Graphs



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



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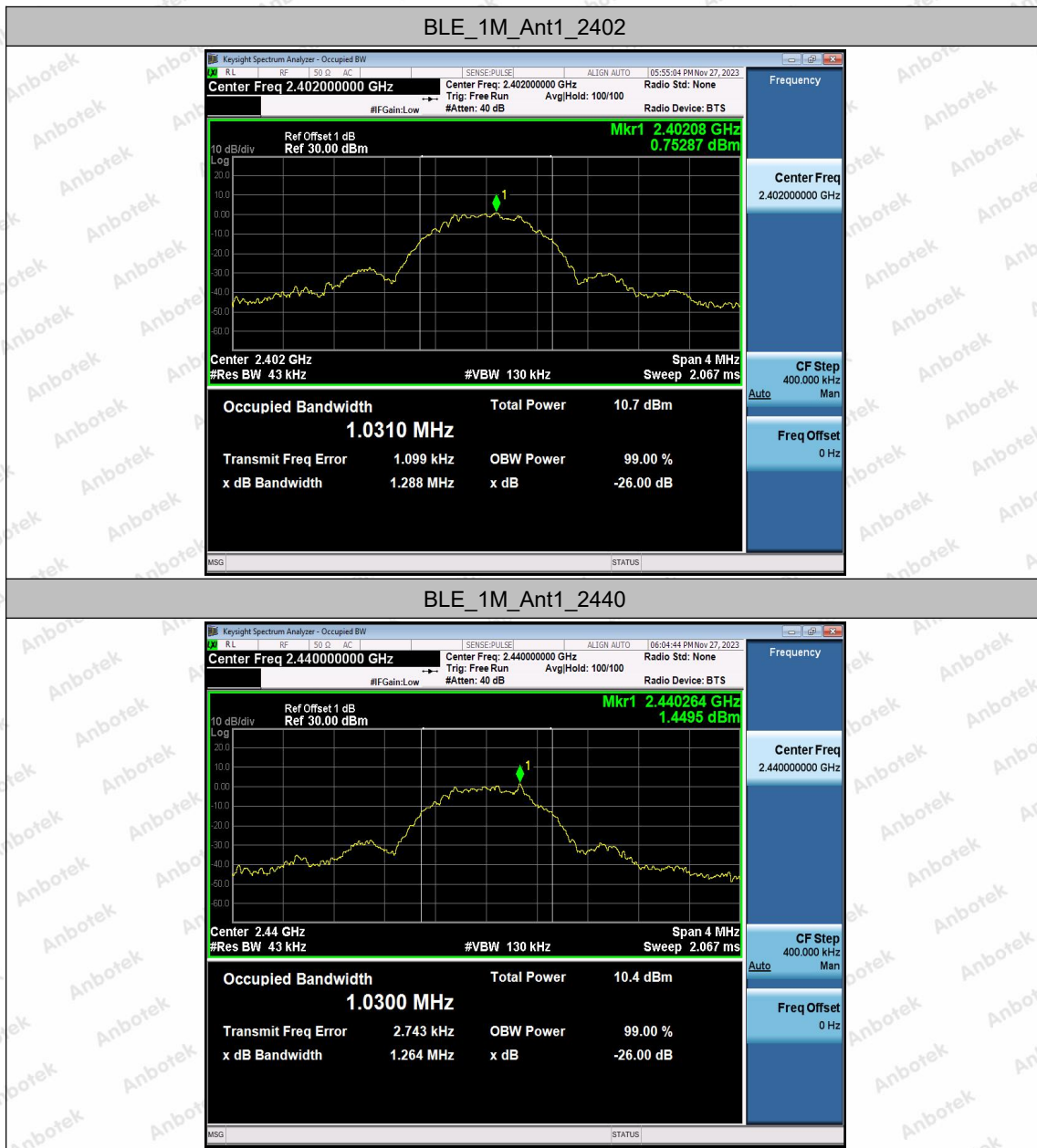


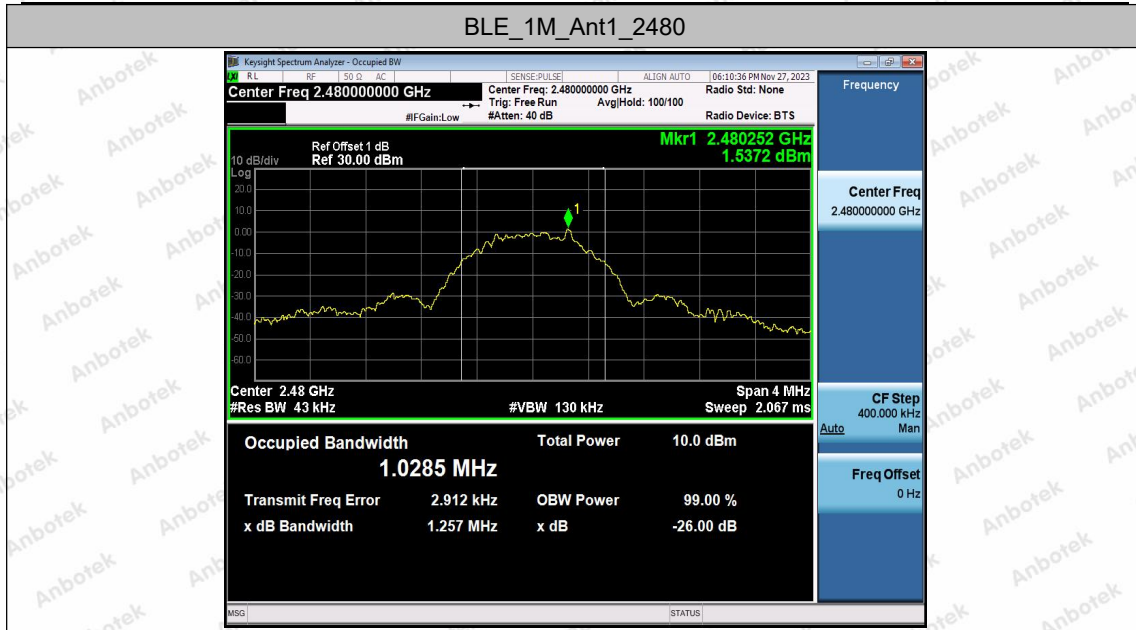
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0310	2401.4856	2402.5166
		2440	1.0300	2439.4877	2440.5177
		2480	1.0285	2479.4887	2480.5172

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_1M	Ant1	2402	3.94	≤30	PASS
		2440	3.65	≤30	PASS
		2480	3.11	≤30	PASS

Test Graphs Peak

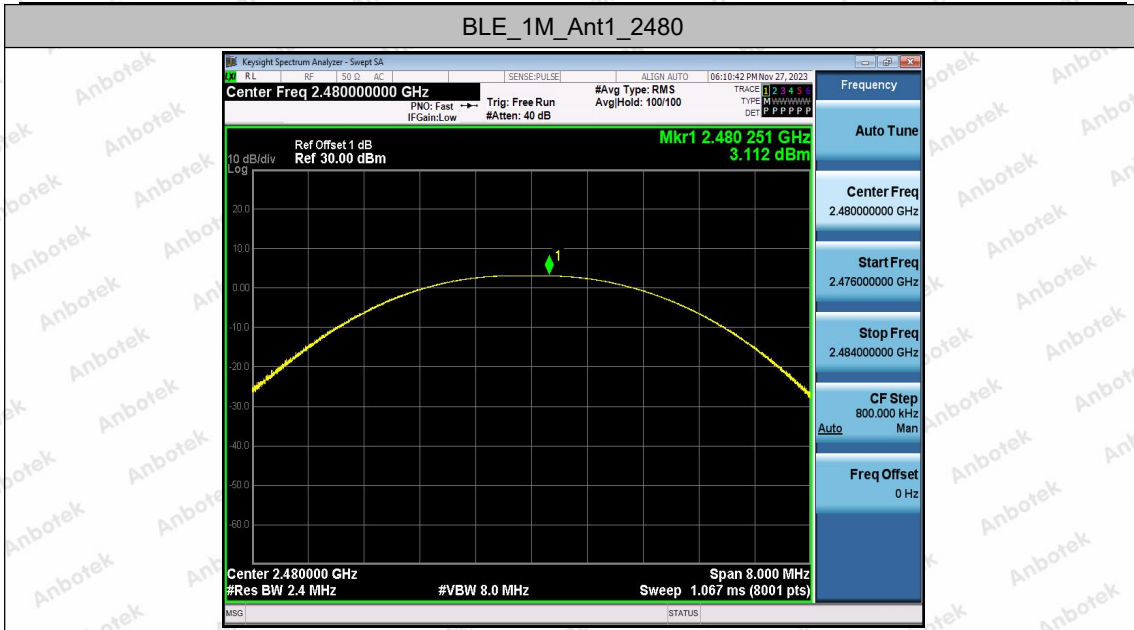


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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.11	≤8.00	PASS
		2440	-12.43	≤8.00	PASS
		2480	-12.95	≤8.00	PASS

Test Graphs



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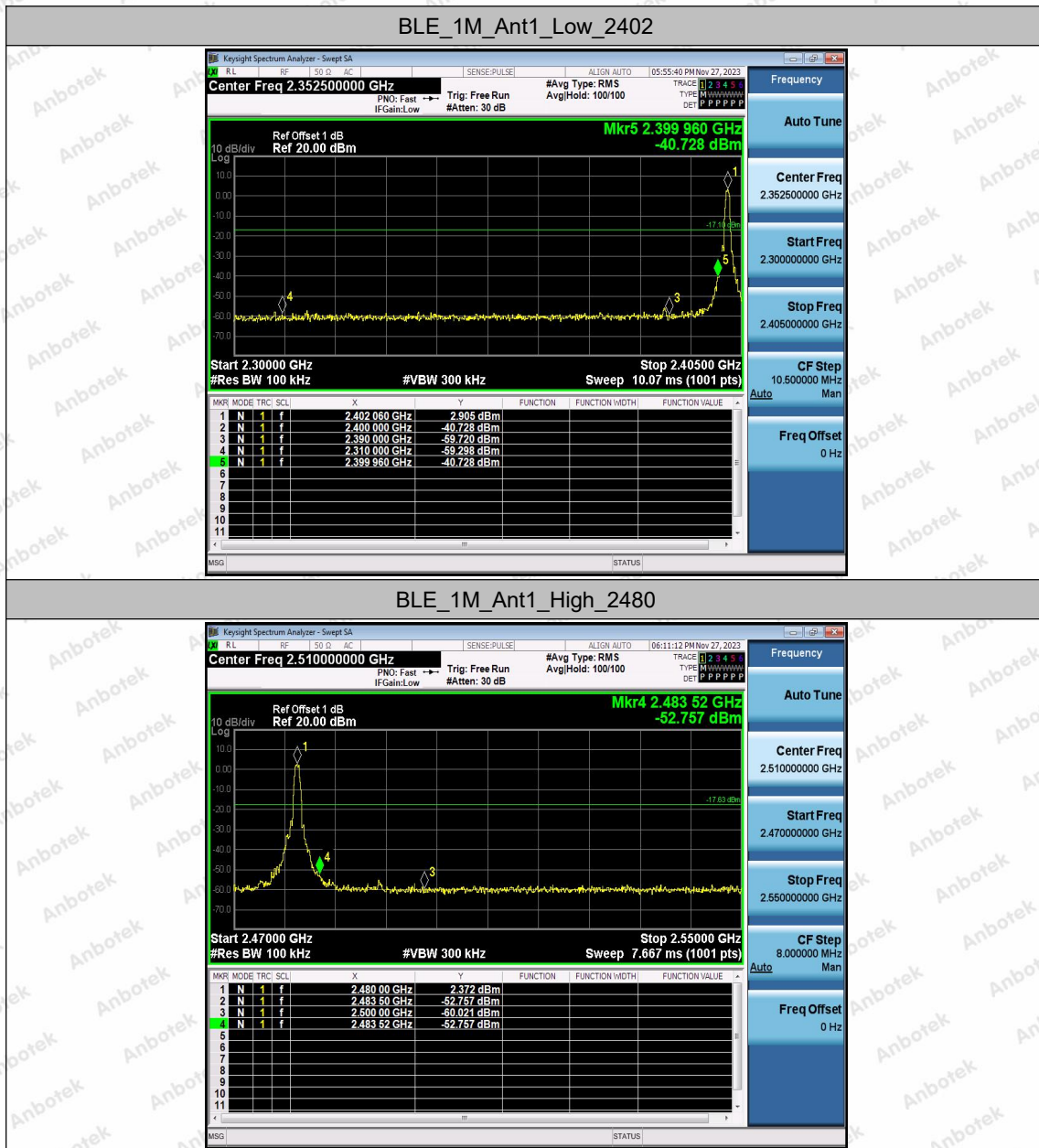


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel Name	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	2.91	-40.73	≤-17.1	PASS
		High	2480	2.37	-52.76	≤-17.63	PASS

Test Graphs



Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	Reference	2.39	2.39	---	PASS
			30~1000	2.39	-69.09	≤-17.61	PASS
			1000~26500	2.39	-53.66	≤-17.61	PASS
		2440	Reference	1.78	1.78	---	PASS
			30~1000	1.78	-69.09	≤-18.22	PASS
			1000~26500	1.78	-53.4	≤-18.22	PASS
		2480	Reference	2.09	2.09	---	PASS
			30~1000	2.09	-68.93	≤-17.91	PASS
			1000~26500	2.09	-53.02	≤-17.91	PASS

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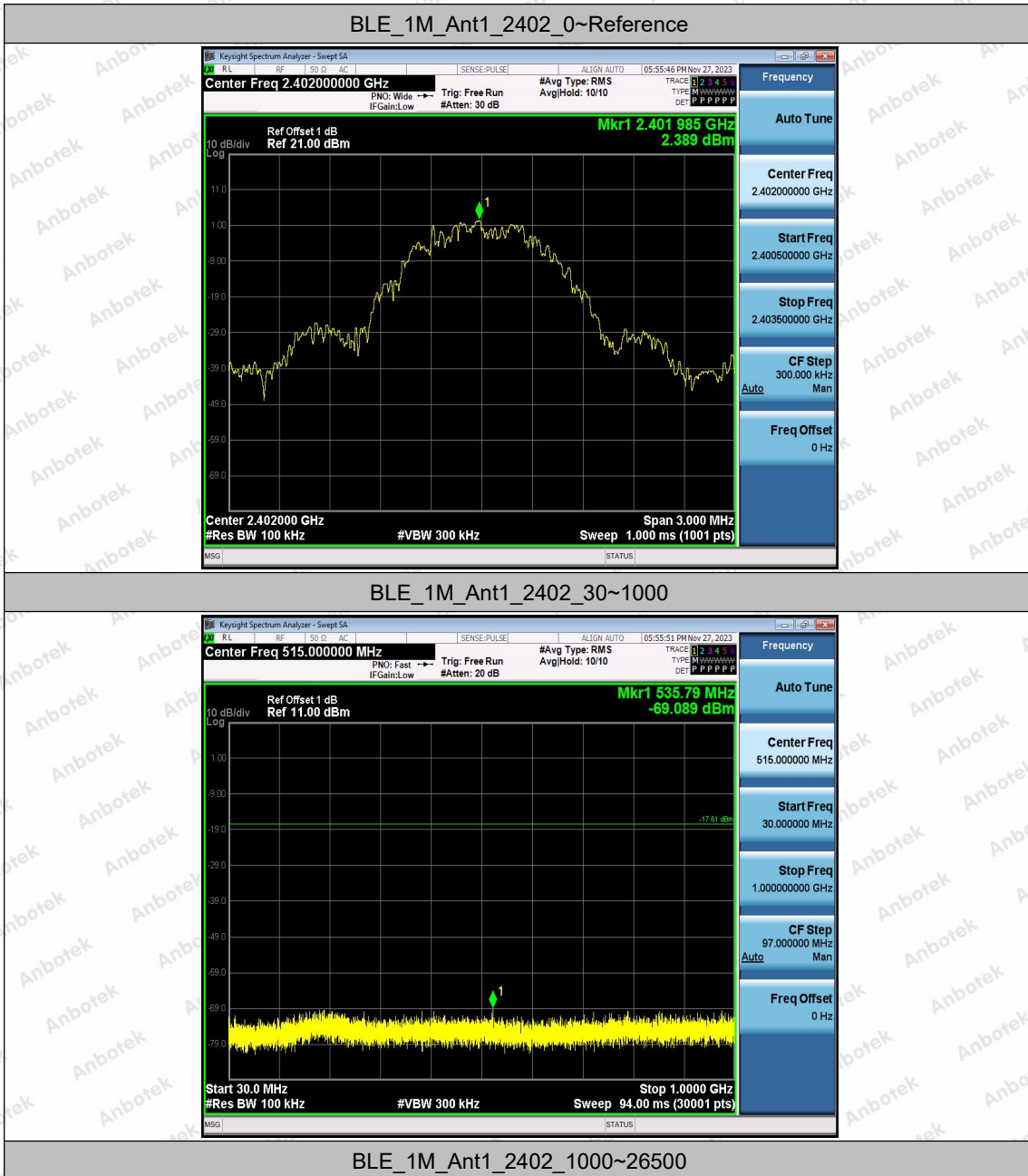
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Test Graphs

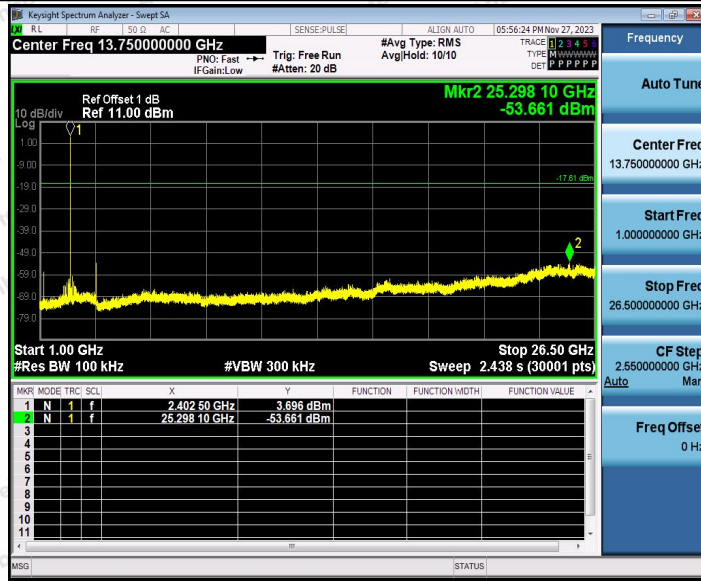


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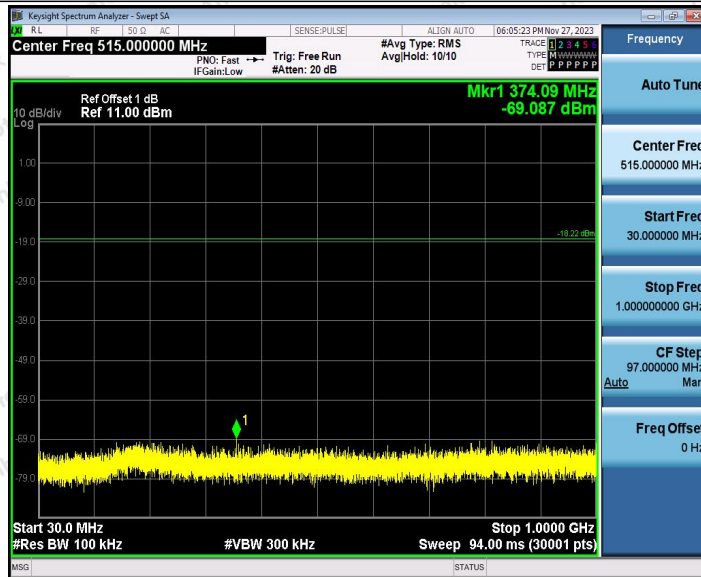




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



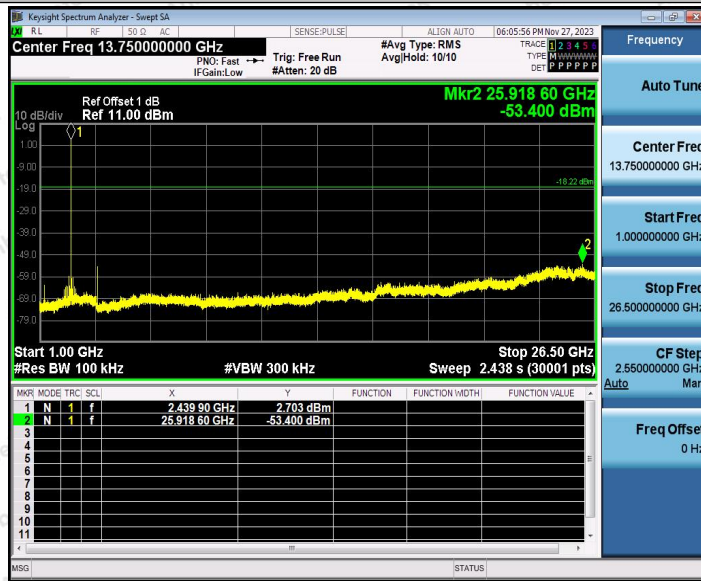
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000

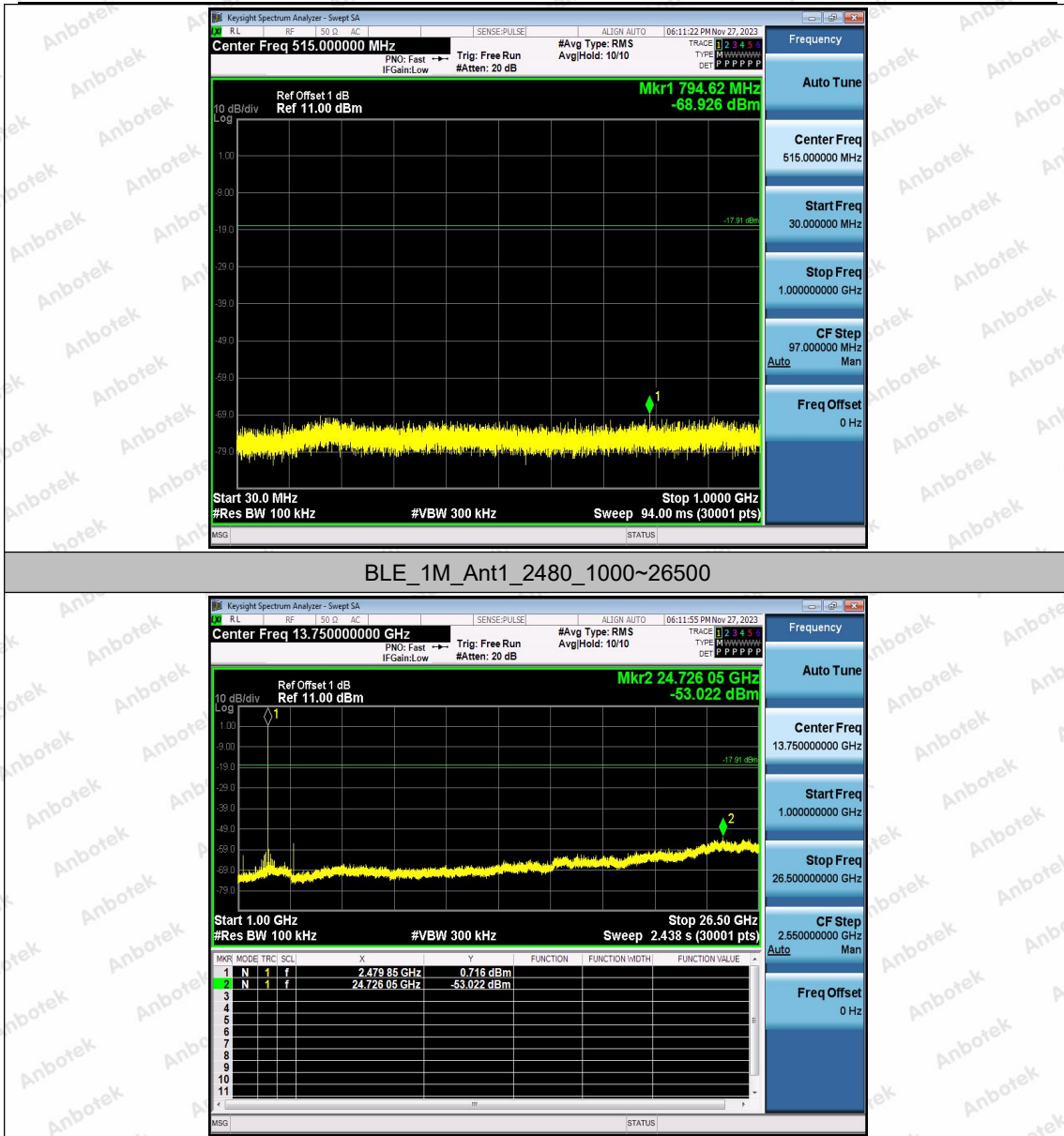
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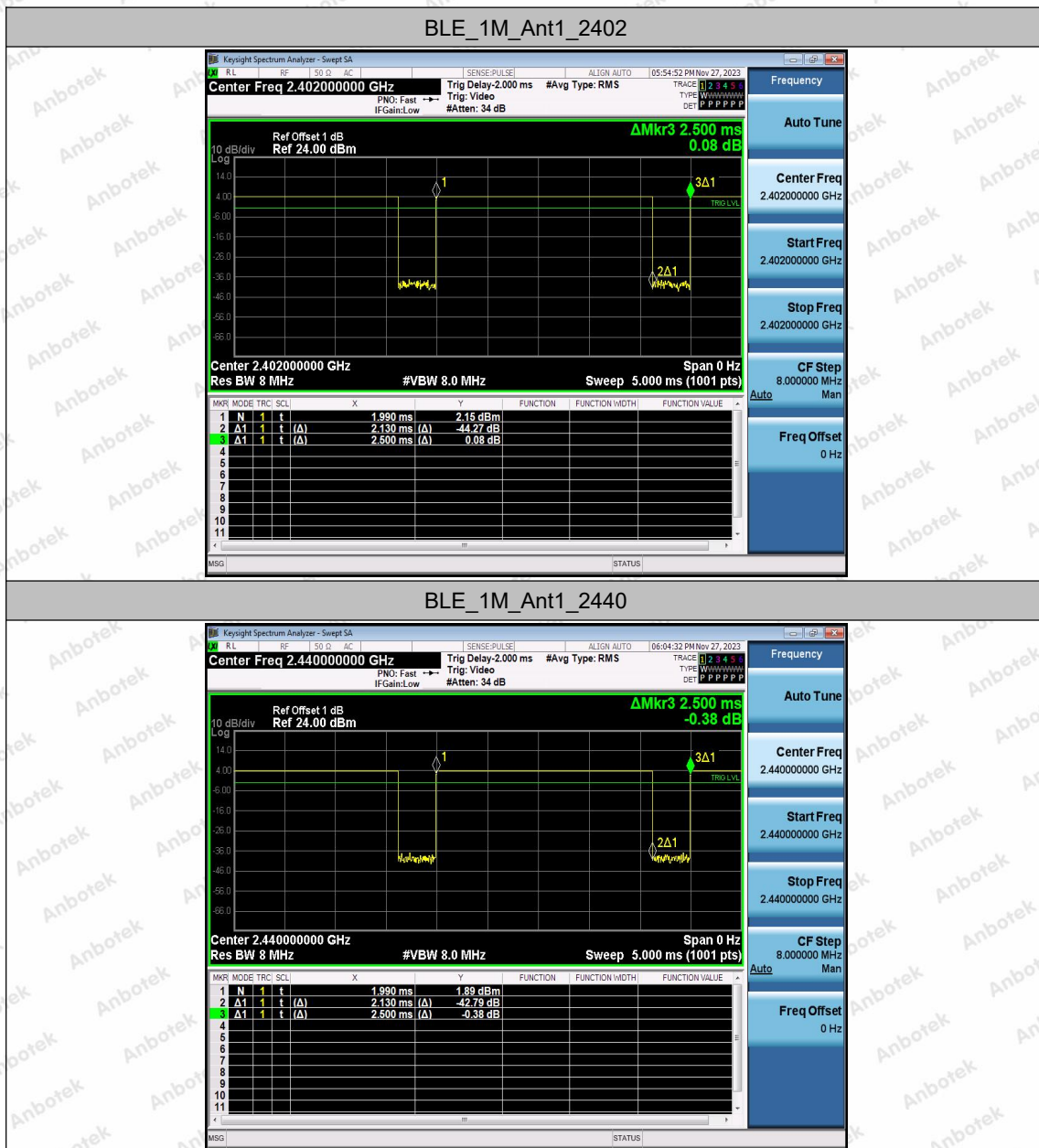


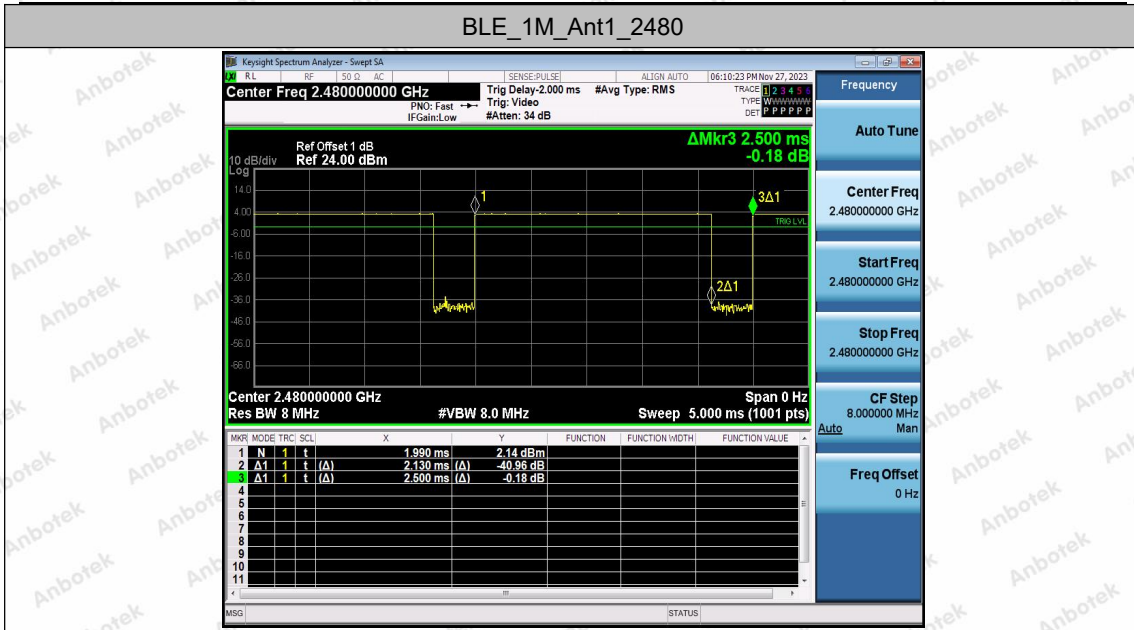
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.13	2.50	85.20	0.70
		2440	2.13	2.50	85.20	0.70
		2480	2.13	2.50	85.20	0.70

Test Graphs





---End---

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