

Appendix Test Data

Report No.:	18220WC40009801	Test Sample No.:	1-2-2
Start Test Date:	2024.2.2	Finish Test Date:	2024.2.2
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	25.3℃	Relative Humidity:	48%
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	0.700	2401.632	2402.332	0.5	PASS
		2440	0.688	2439.648	2440.336	0.5	PASS
		2480	0.684	2479.640	2480.324	0.5	PASS



Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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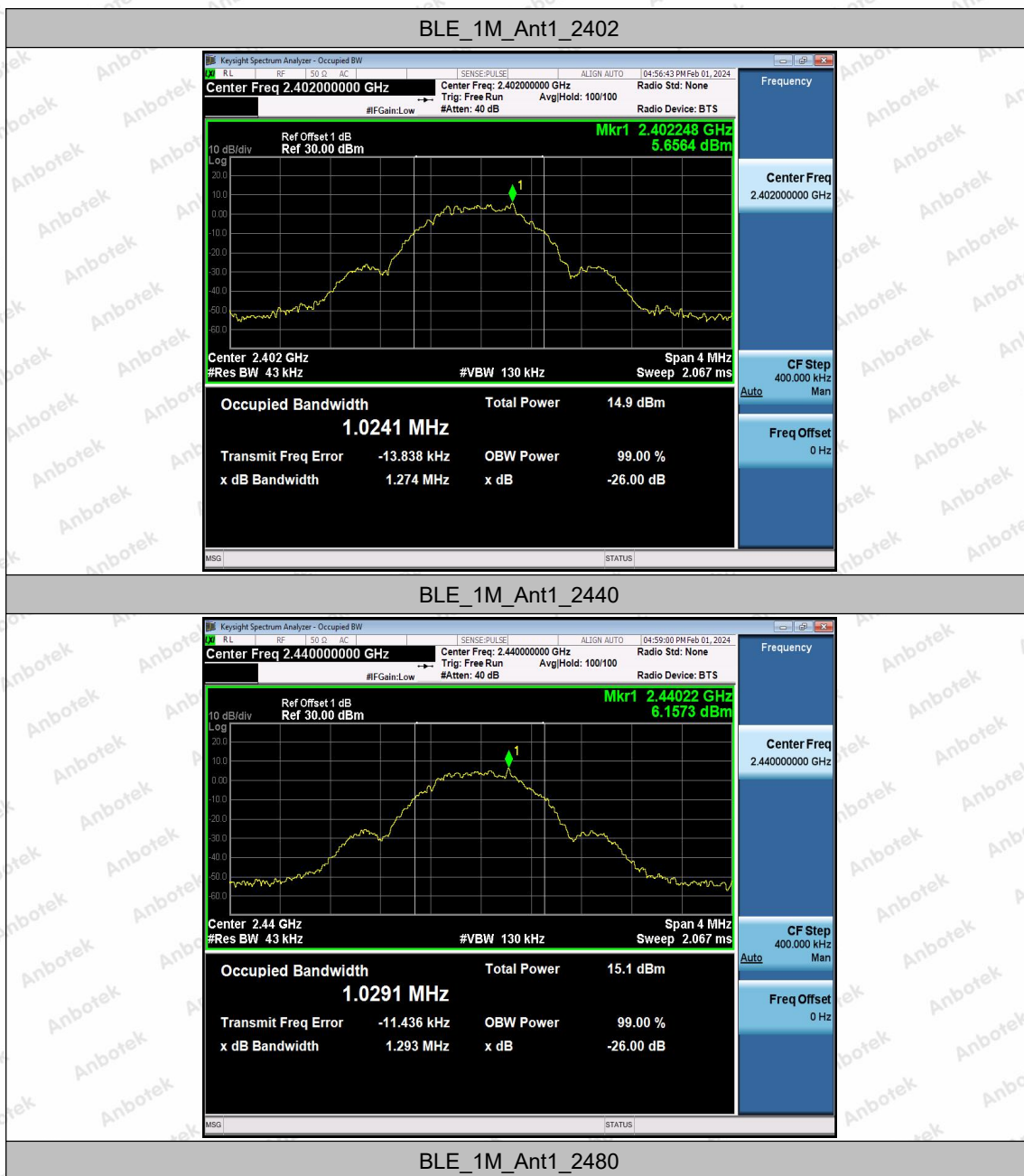
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0241	2401.4741	2402.4982
		2440	1.0291	2439.4740	2440.5031
		2480	1.0264	2479.4712	2480.4976



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	8.11	≤30	PASS
		2440	8.22	≤30	PASS
		2480	7.63	≤30	PASS



Test Graphs Peak



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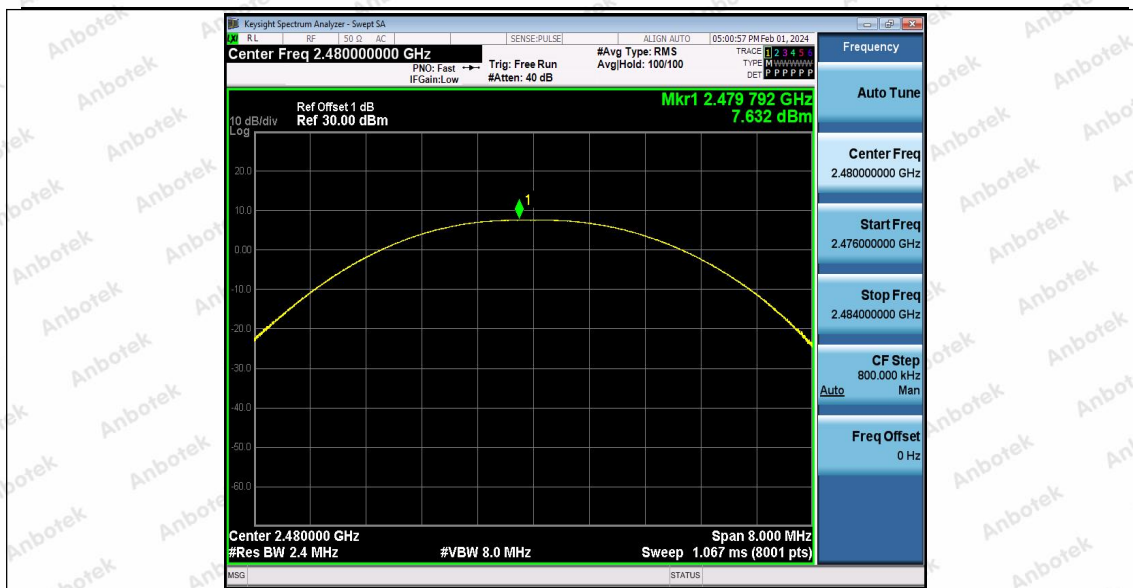


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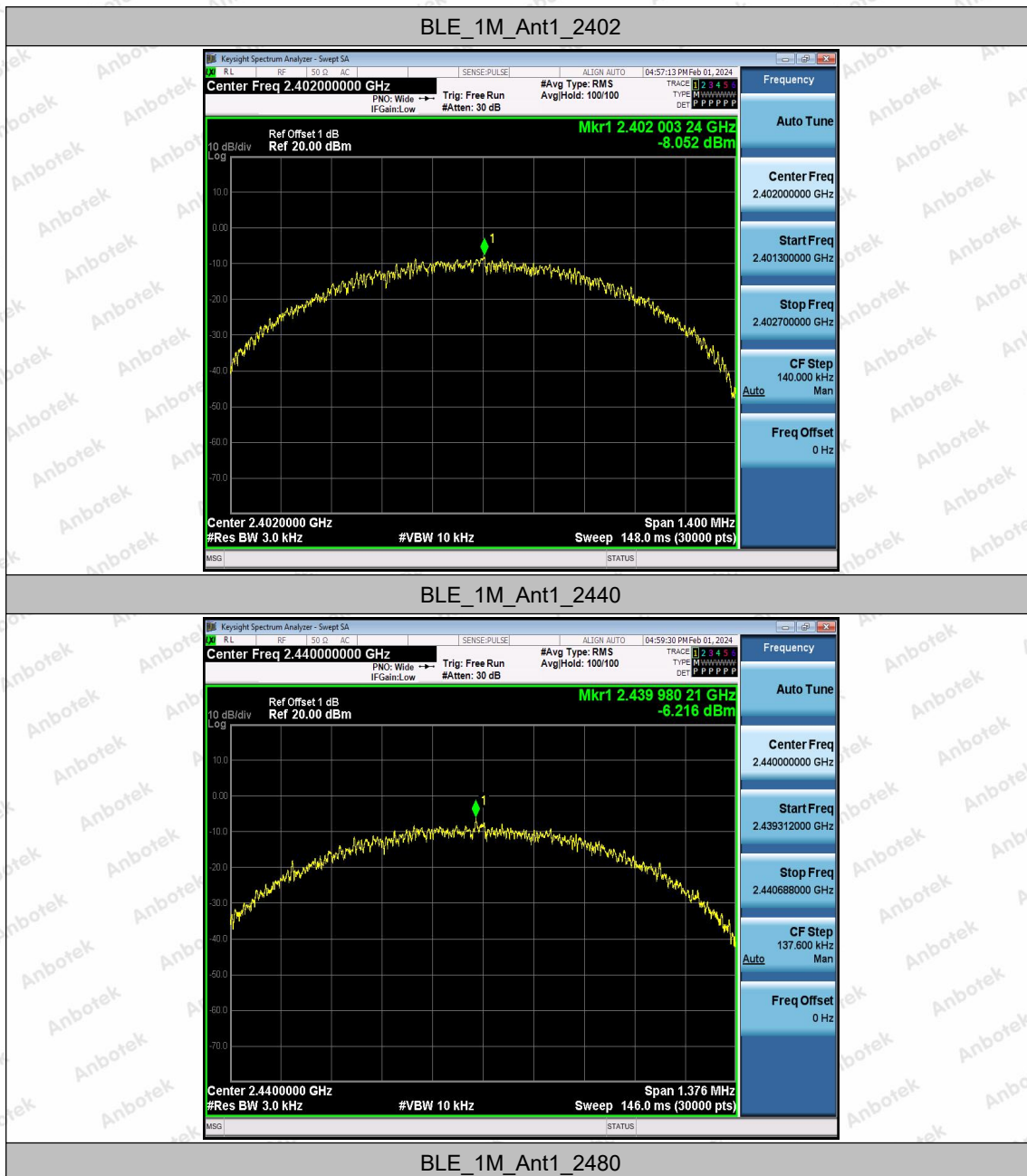
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-8.05	≤8.00	PASS
		2440	-6.22	≤8.00	PASS
		2480	-8.14	≤8.00	PASS



Test Graphs



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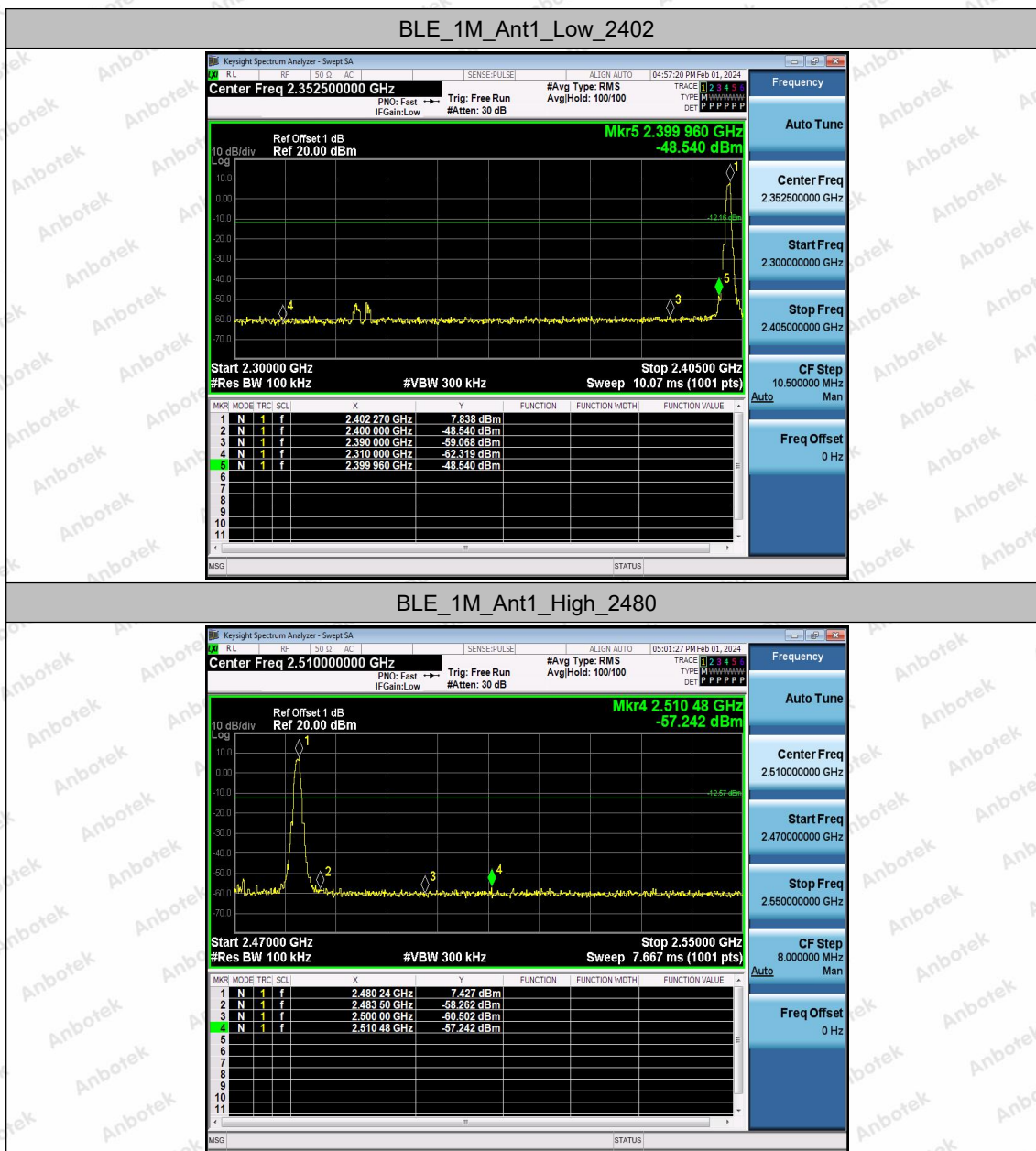
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	7.84	-48.54	≤-12.16	PASS
		High	2480	7.43	-57.24	≤-12.57	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_1M	Ant1	2402	Reference	6.26	6.26	---	PASS
			30~1000	6.26	-63.91	≤-13.74	PASS
			1000~26500	6.26	-44.18	≤-13.74	PASS
		2440	Reference	7.90	7.90	---	PASS
			30~1000	7.90	-67.32	≤-12.1	PASS
			1000~26500	7.90	-50.13	≤-12.1	PASS
		2480	Reference	6.19	6.19	---	PASS
			30~1000	6.19	-62.97	≤-13.81	PASS
			1000~26500	6.19	-51.75	≤-13.81	PASS

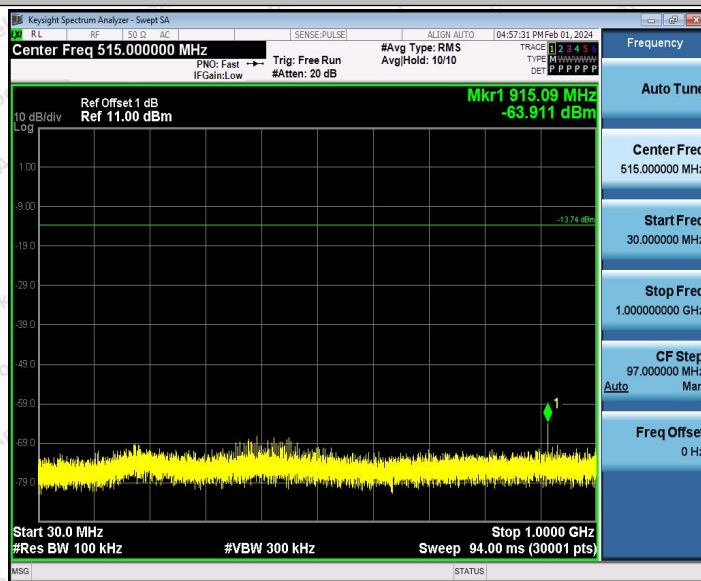


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

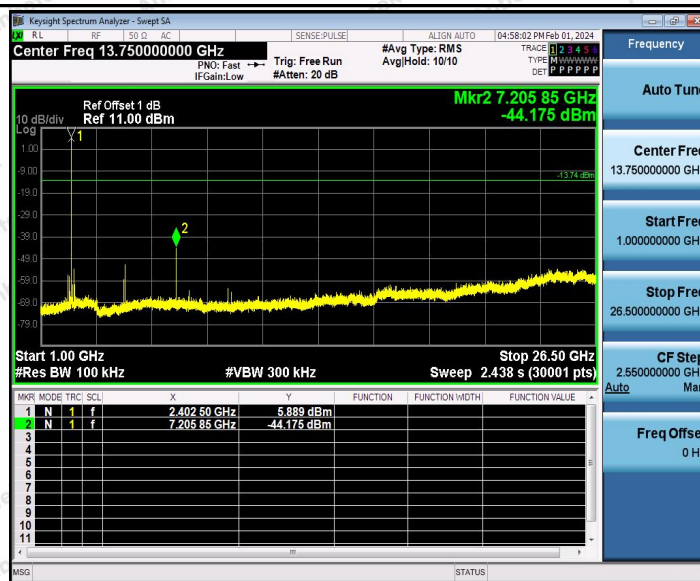
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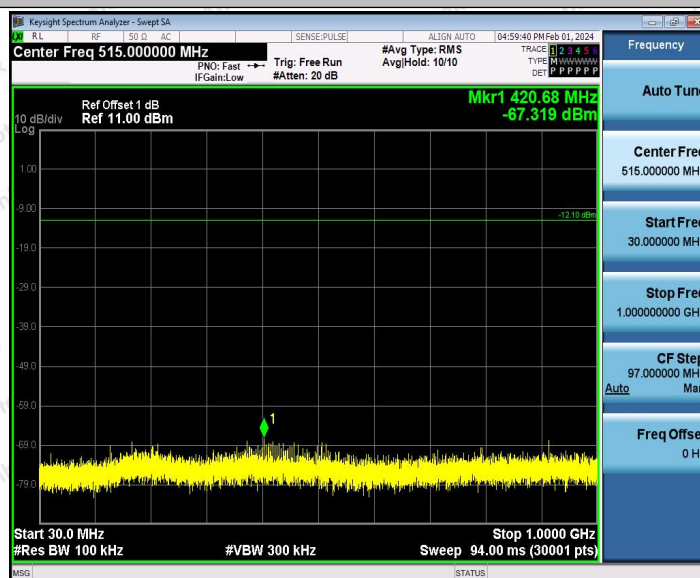




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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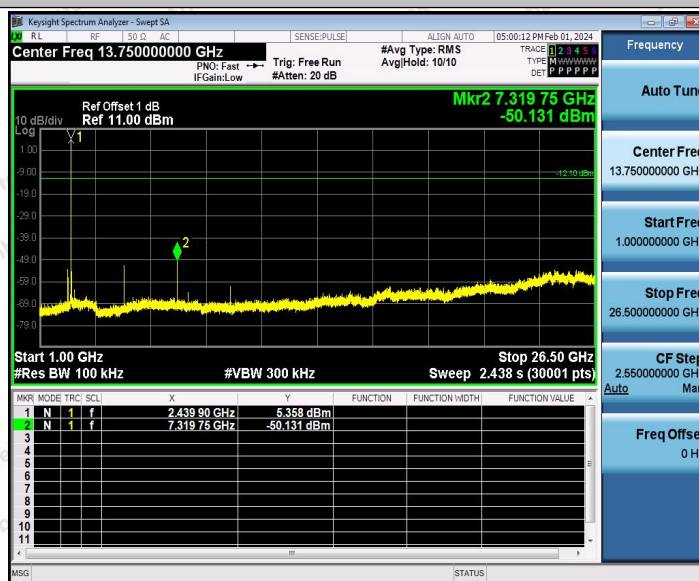
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000

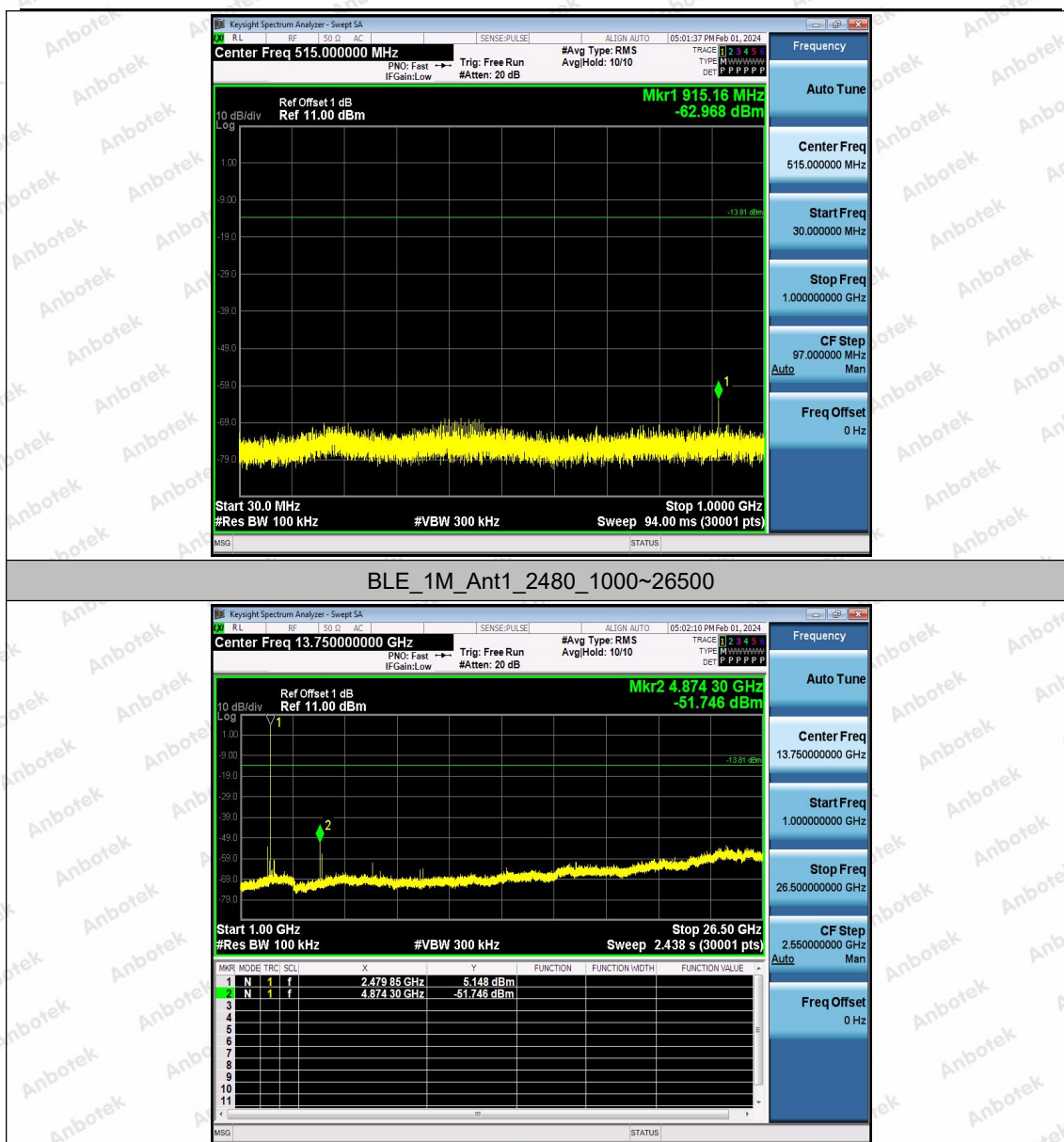
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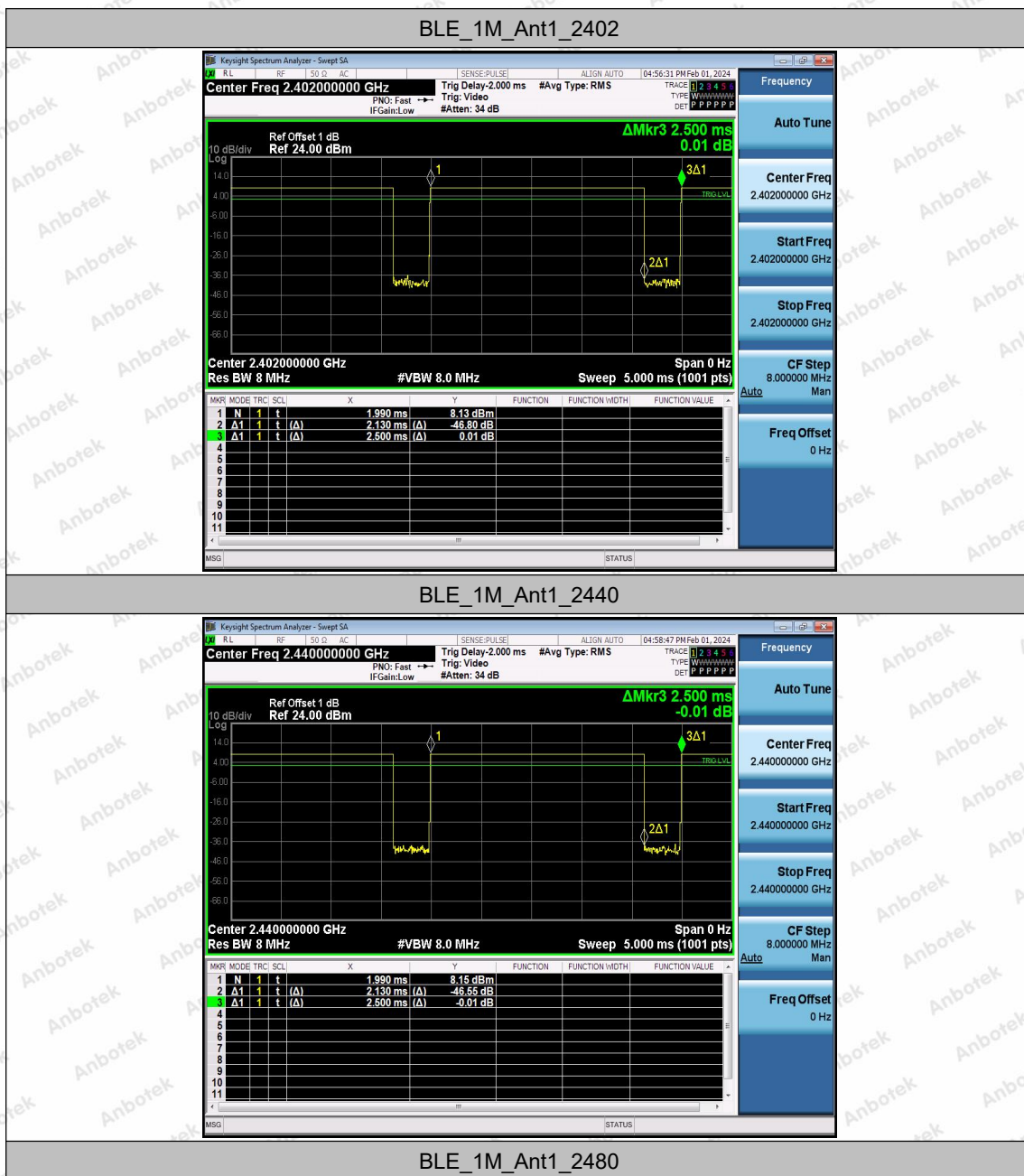
Appendix G: Duty Cycle

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



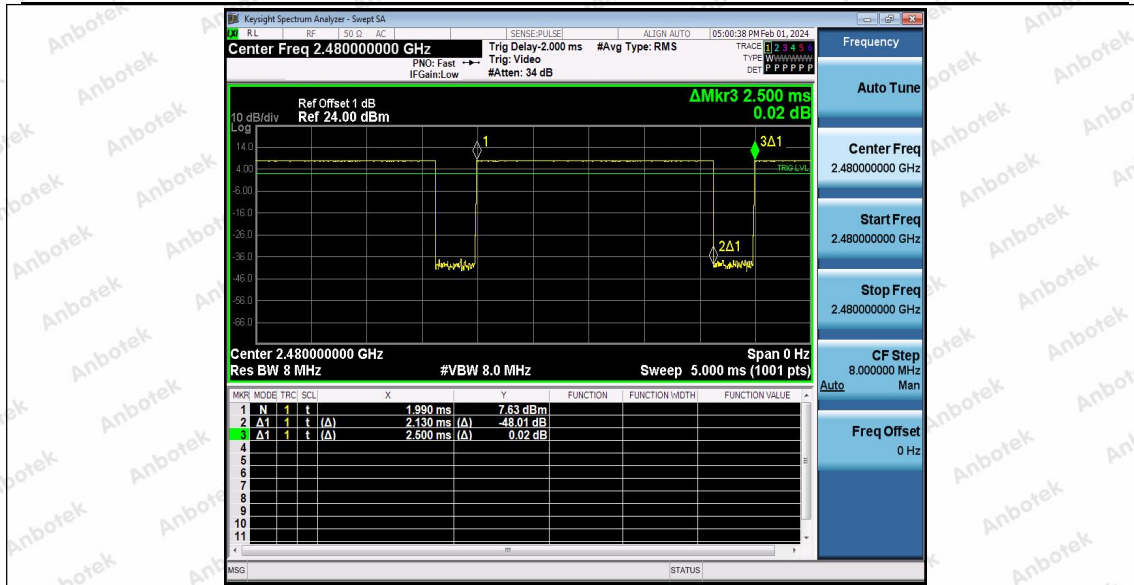
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