

Appendix Test Data

Report No.:	78340WC30002002	Test Sample No.:	1-2-2
Start Test Date:	2023.03.06	Finish Test Date:	2023.03.07
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.2°C	Relative Humidity:	35%
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.684	2401.660	2402.344	0.5	PASS
		2440	0.700	2439.640	2440.340	0.5	PASS
		2480	0.676	2479.640	2480.316	0.5	PASS



Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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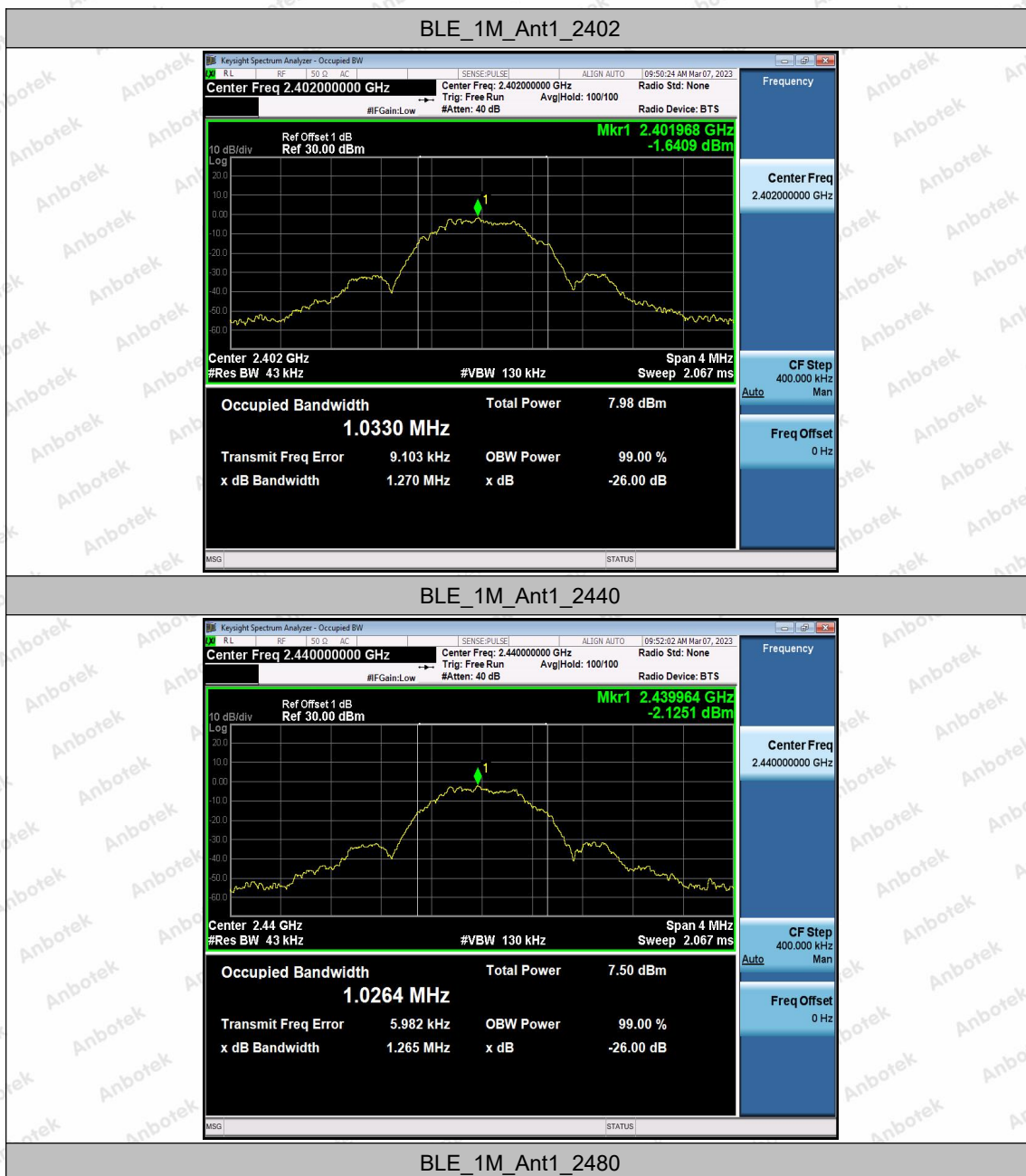
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0330	2401.4926	2402.5256
		2440	1.0264	2439.4928	2440.5192
		2480	1.0293	2479.4932	2480.5225



Test Graphs



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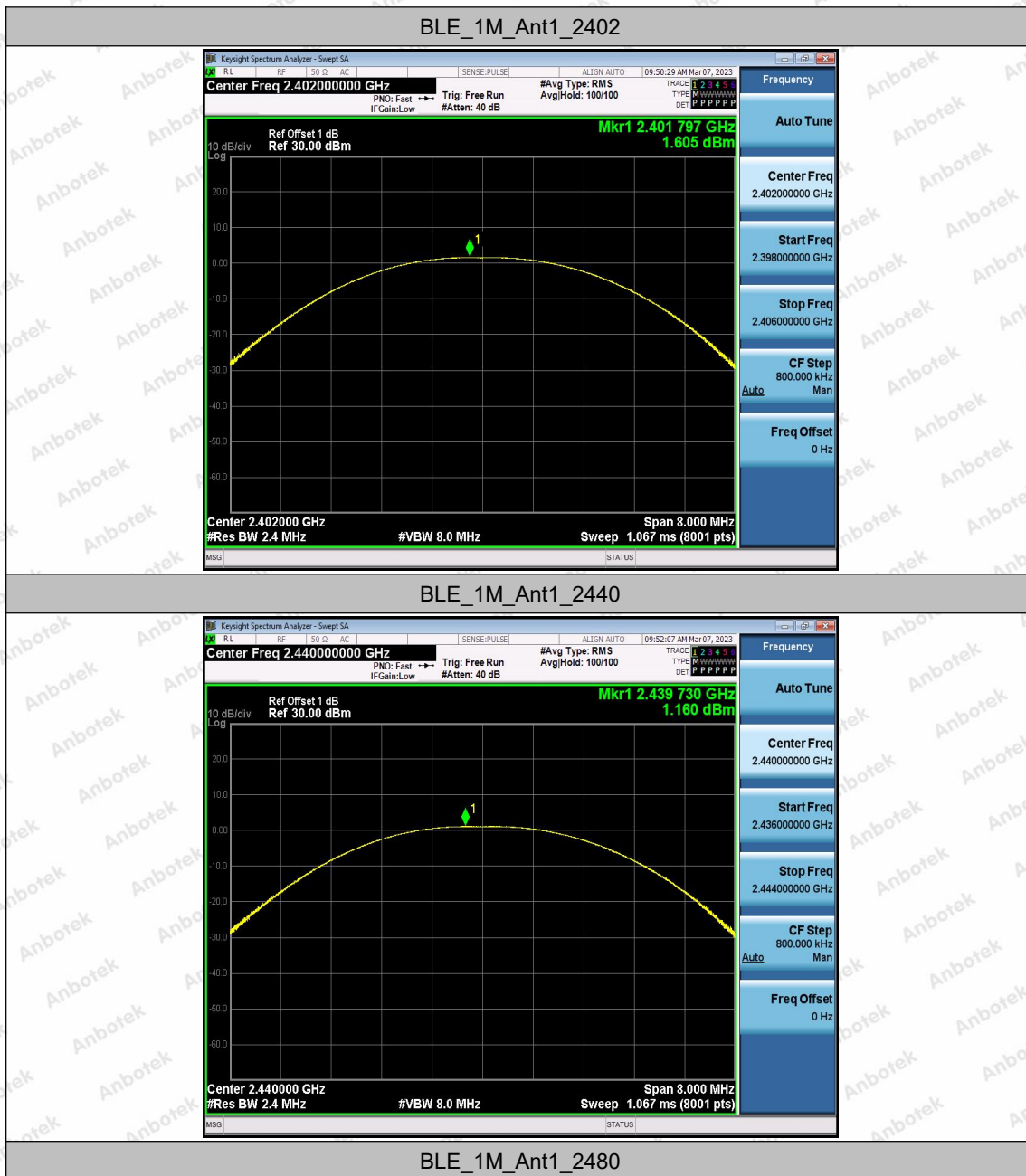
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.61	≤30	PASS
		2440	1.16	≤30	PASS
		2480	0.64	≤30	PASS



Test Graphs Peak



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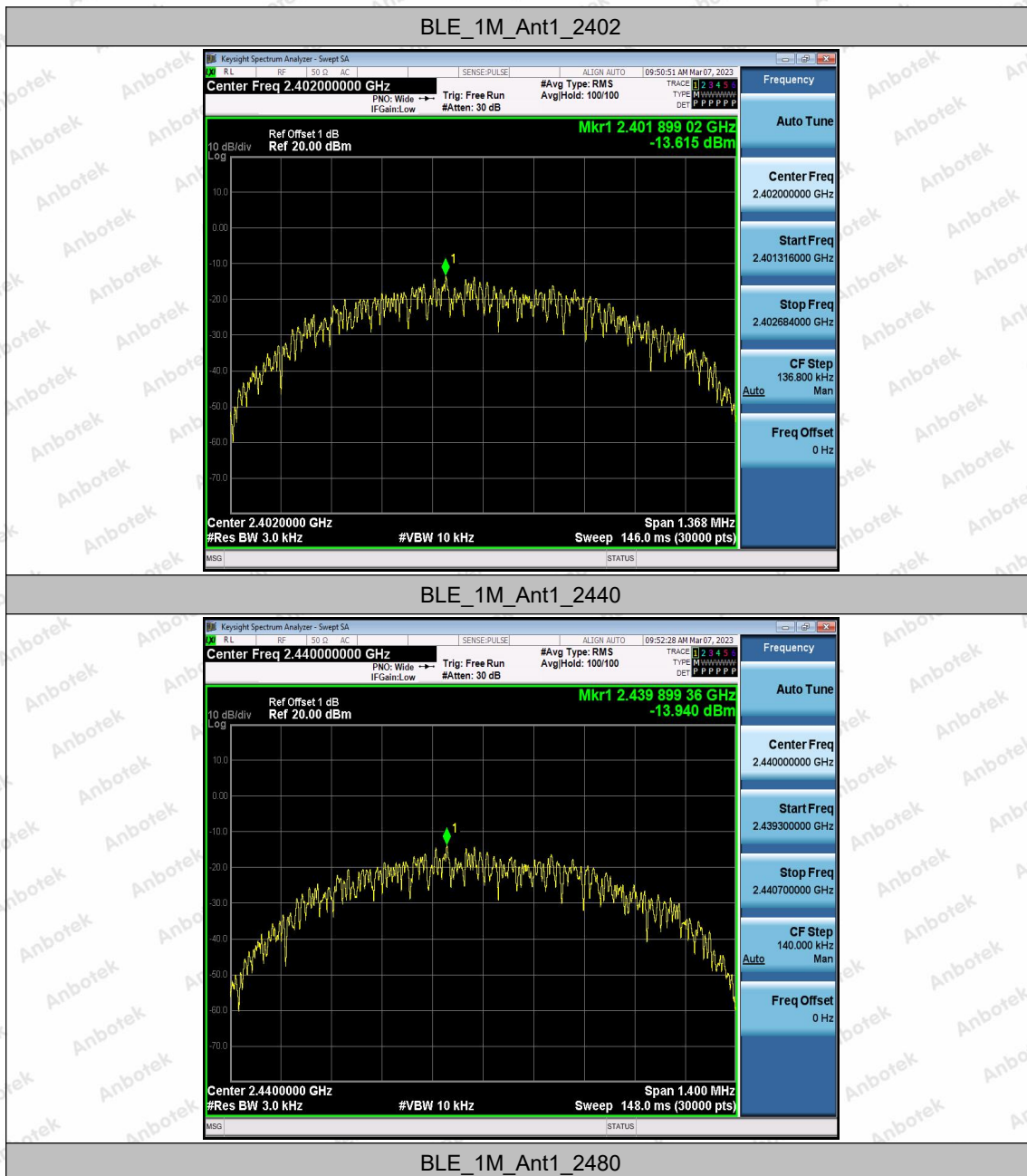
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.62	≤8.00	PASS
		2440	-13.94	≤8.00	PASS
		2480	-14.61	≤8.00	PASS



Test Graphs



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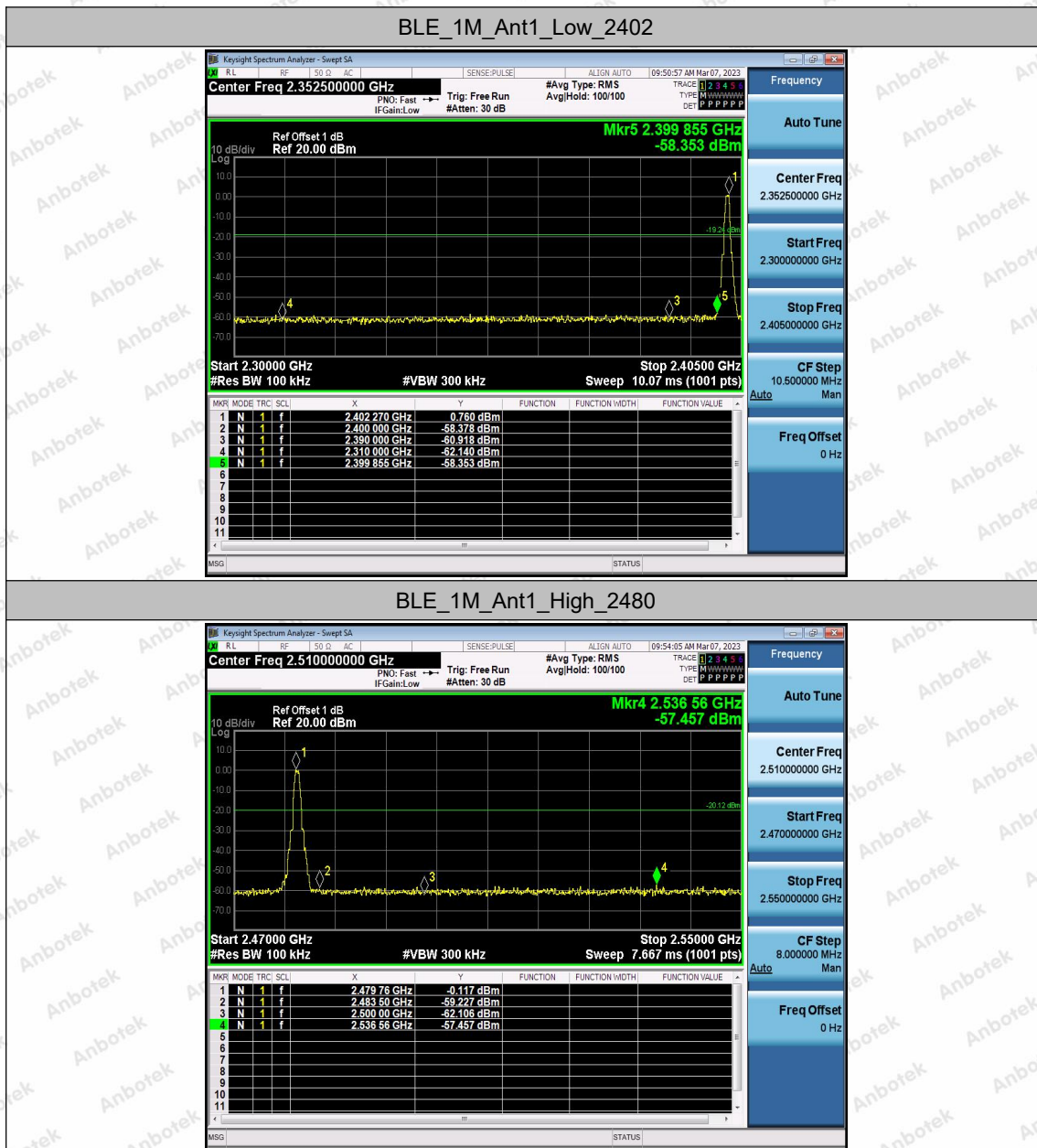
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.76	-58.35	≤-19.24	PASS
		High	2480	-0.12	-57.46	≤-20.12	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	0.56	0.56	---	PASS
			30~1000	0.56	-64.99	≤-19.44	PASS
			1000~26500	0.56	-53.32	≤-19.44	PASS
		2440	Reference	-0.66	-0.66	---	PASS
			30~1000	-0.66	-64.19	≤-20.66	PASS
			1000~26500	-0.66	-52.55	≤-20.66	PASS
		2480	Reference	-0.90	-0.90	---	PASS
			30~1000	-0.90	-55.2	≤-20.9	PASS
			1000~26500	-0.90	-53.73	≤-20.9	PASS

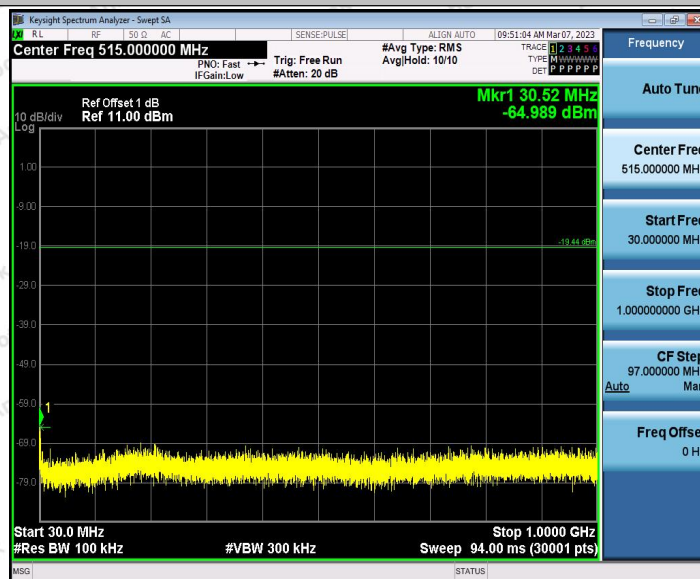


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

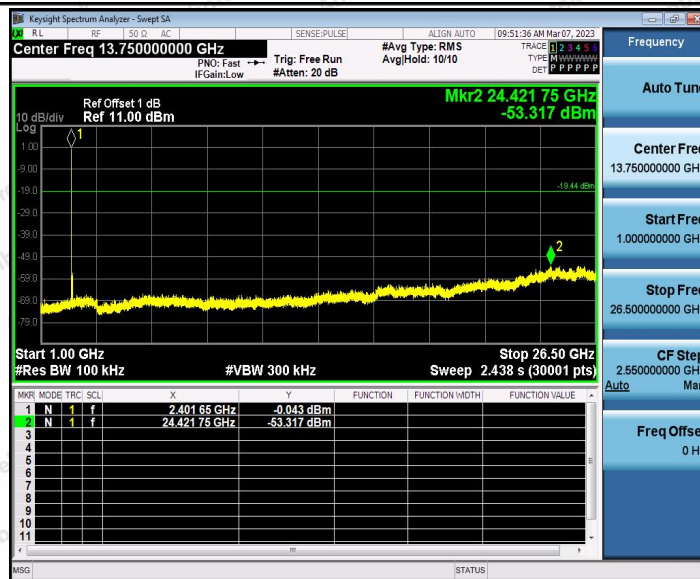
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000

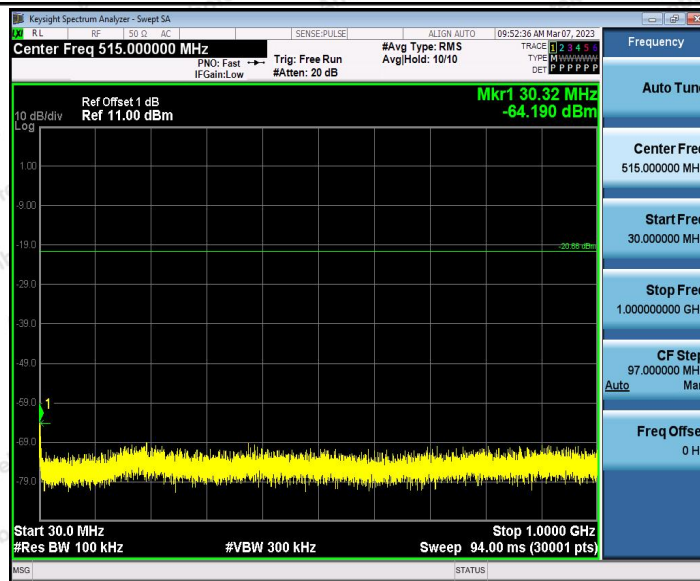
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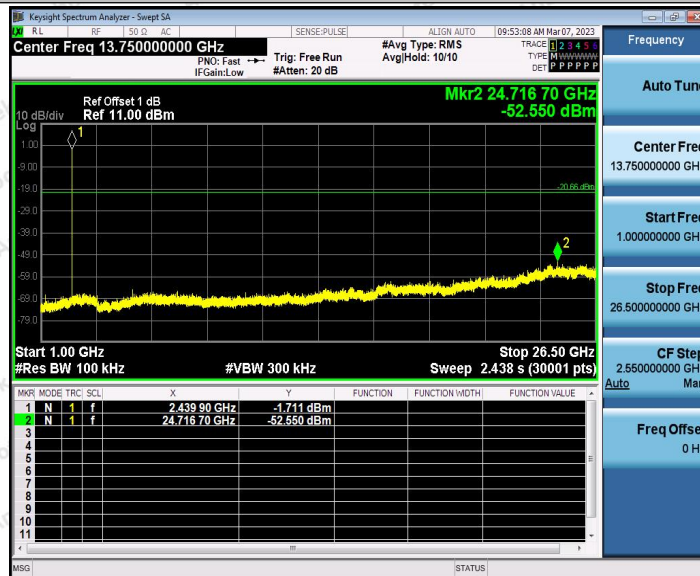


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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

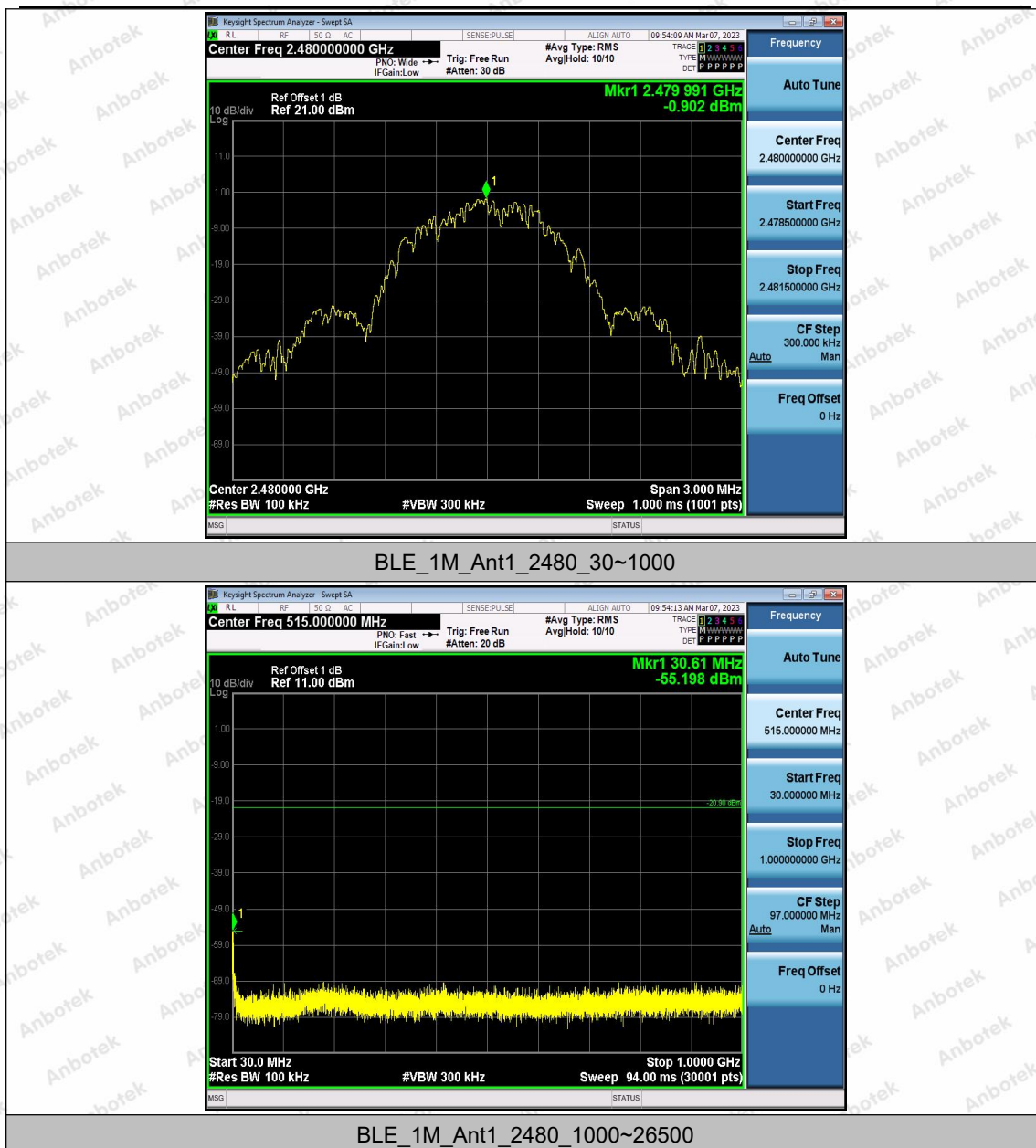
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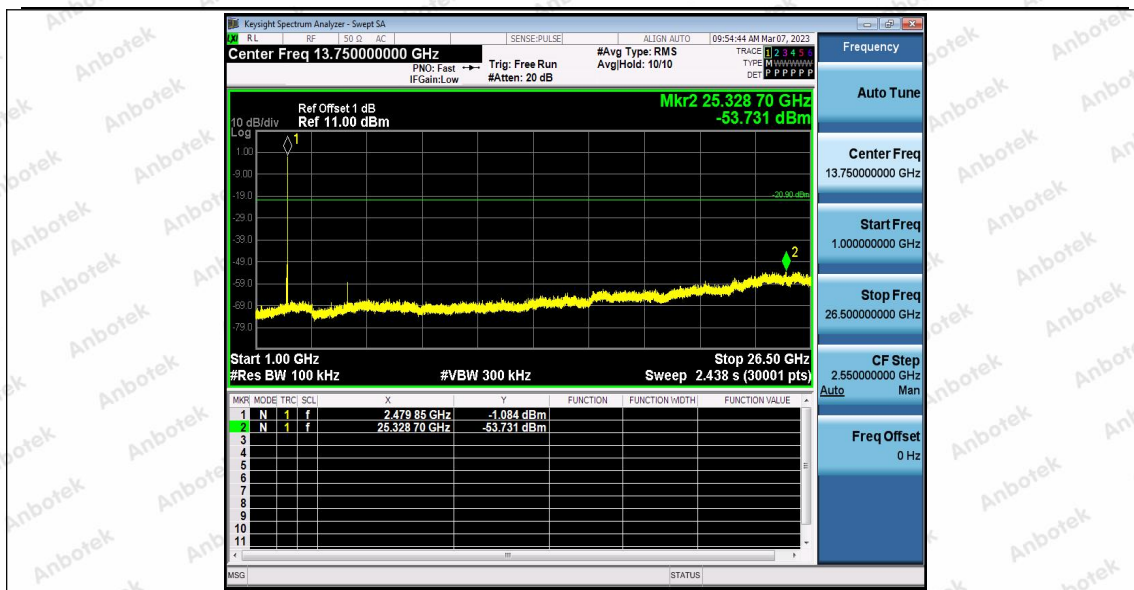
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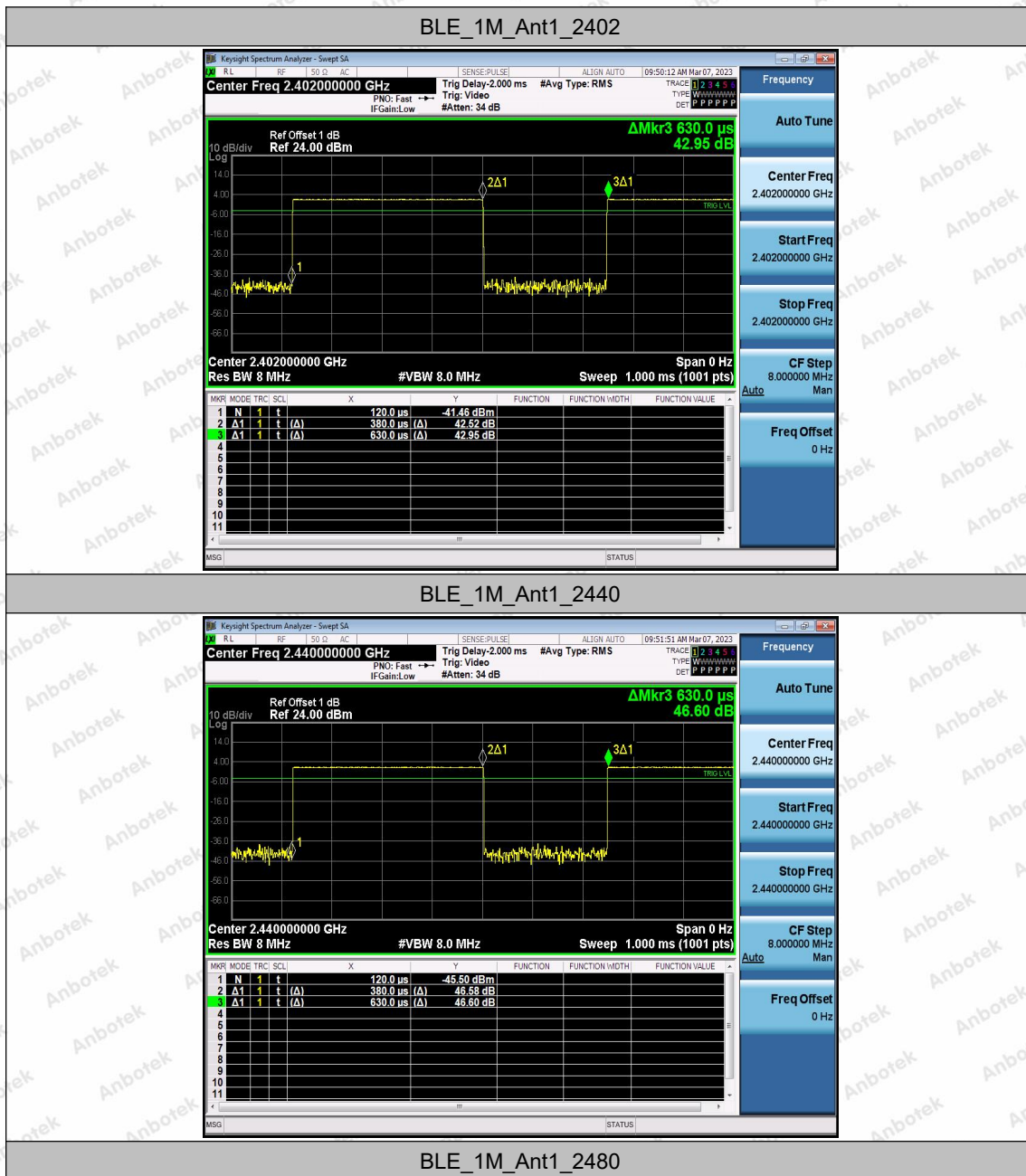
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.38	0.63	60.32	2.20
		2440	0.38	0.63	60.32	2.20
		2480	0.38	0.63	60.32	2.20



Test Graphs



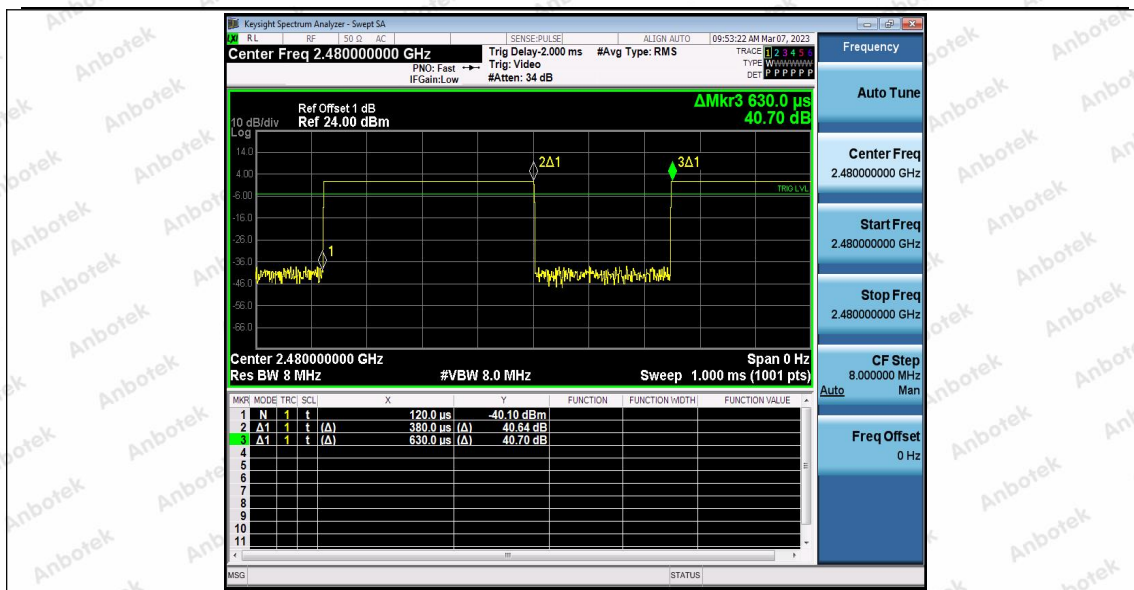
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