

Appendix Test Data

Report No.:	18220WC30098301	Test Sample No.:	1-2-2
Start Test Date:	2023.05.23	Finish Test Date:	2023.05.24
Test Engineer:	RICK Luo	Auditor:	Edward Pan
Temperature:	24.3°C	Relative Humidity:	45%
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.676	2401.656	2402.332	0.5	PASS
		2440	0.692	2439.648	2440.340	0.5	PASS
		2480	0.660	2479.660	2480.320	0.5	PASS

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Test Graphs

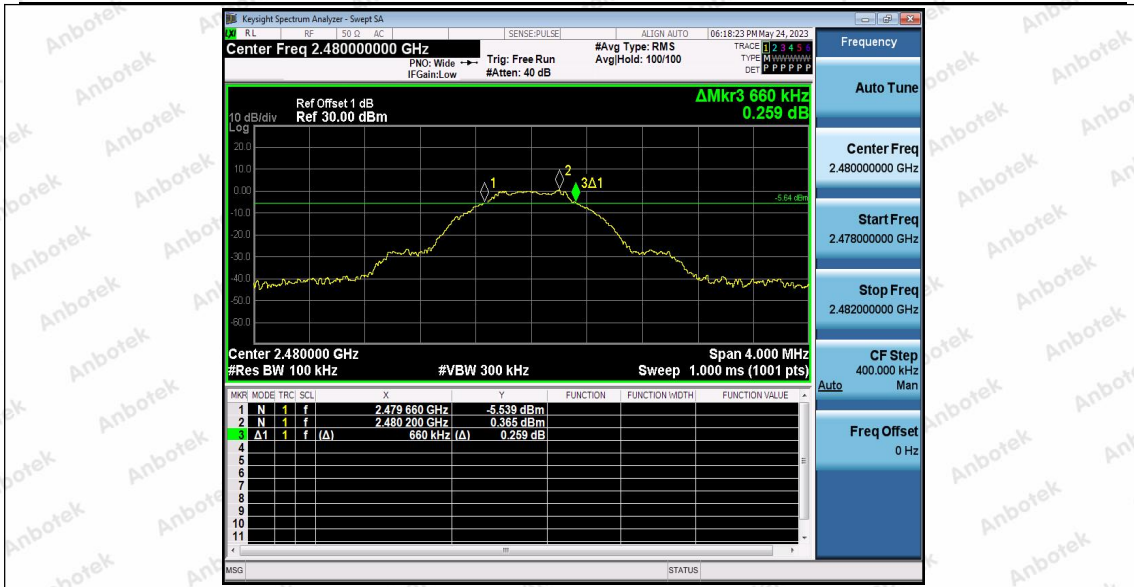


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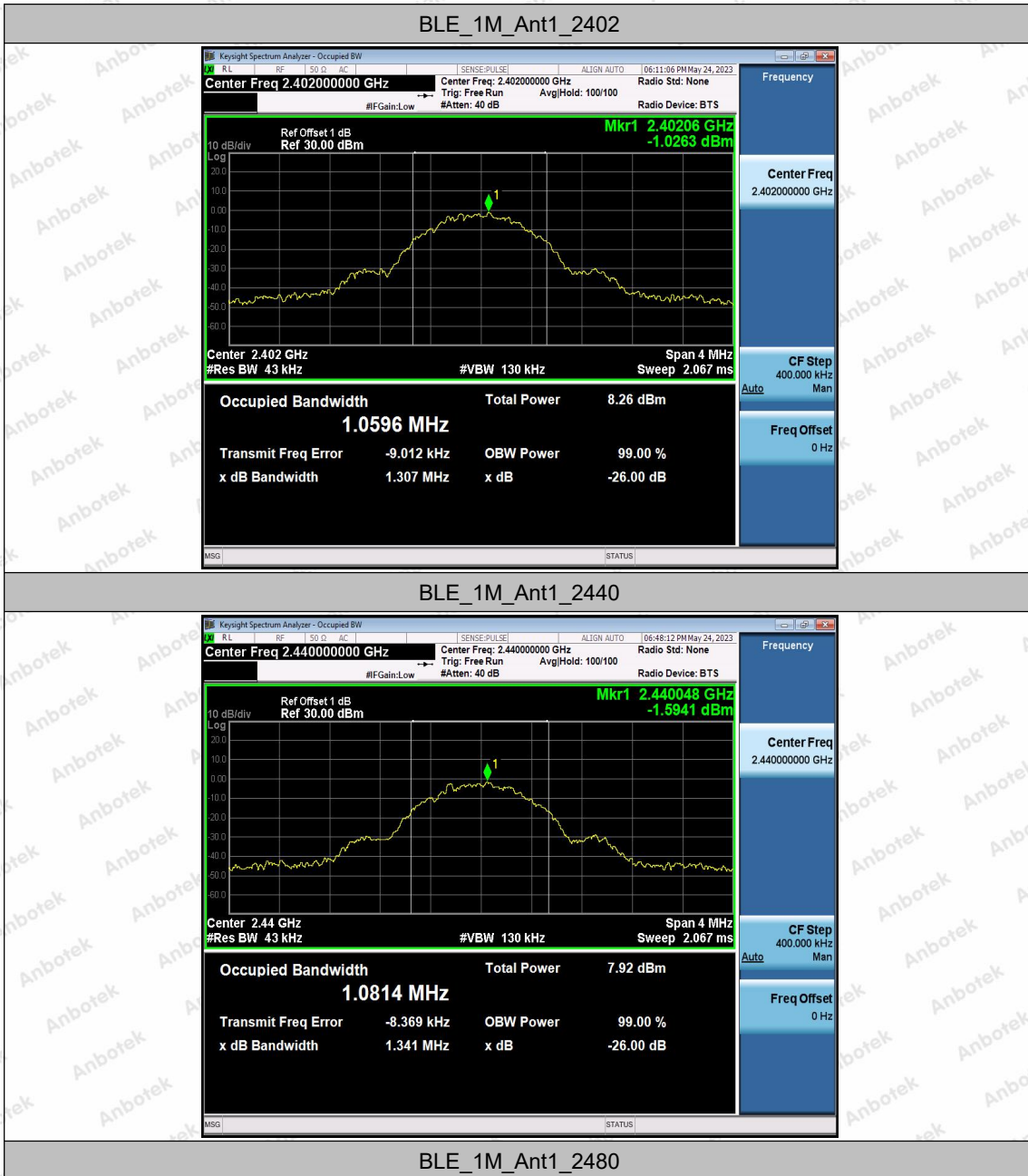
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0596	2401.4612	2402.5208
		2440	1.0814	2439.4509	2440.5323
		2480	1.0743	2479.4531	2480.5274



Test Graphs



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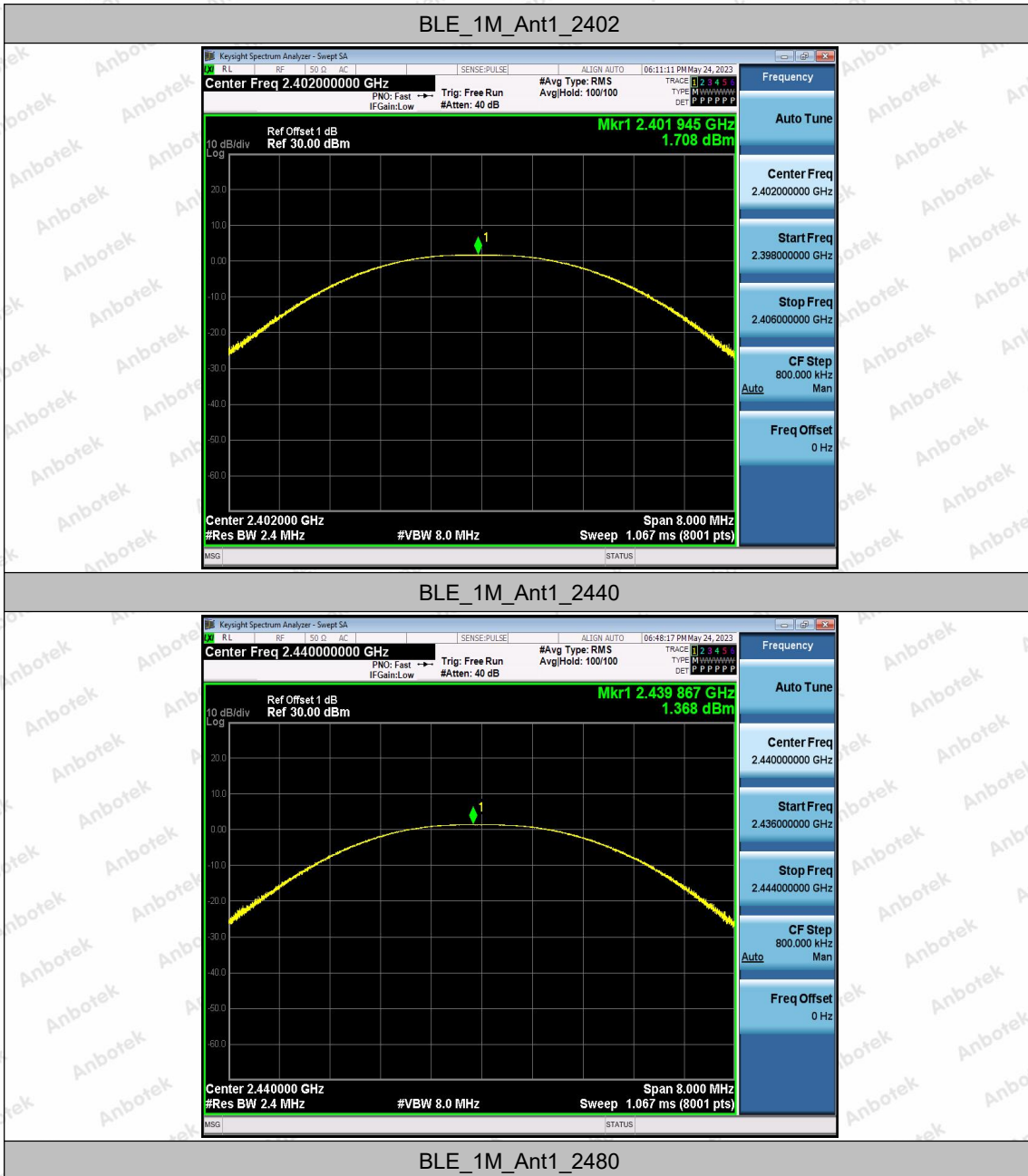
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.71	≤30	PASS
		2440	1.37	≤30	PASS
		2480	1.32	≤30	PASS



Test Graphs Peak

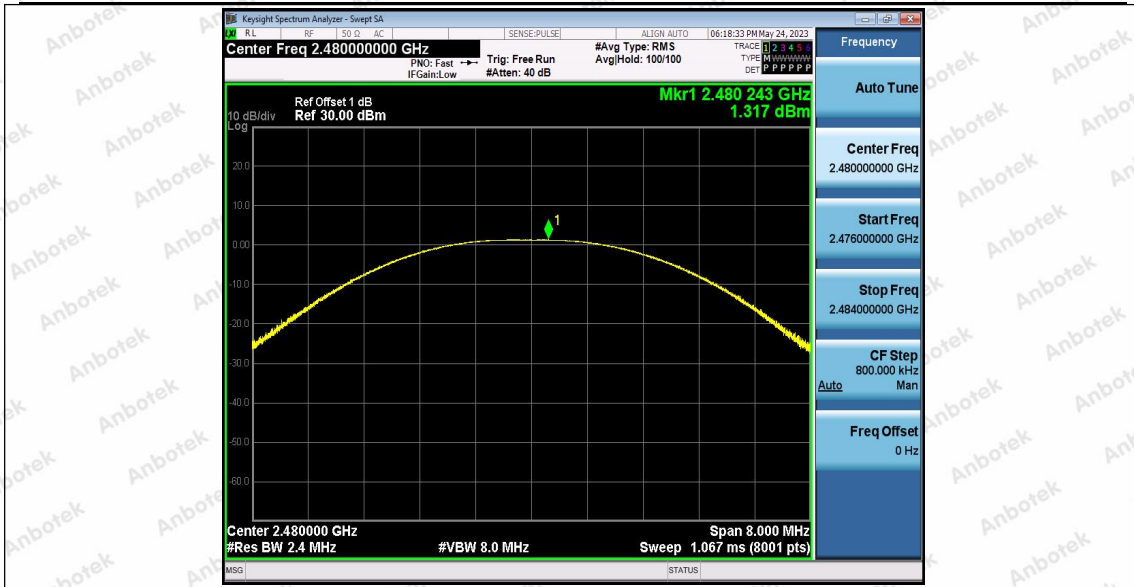


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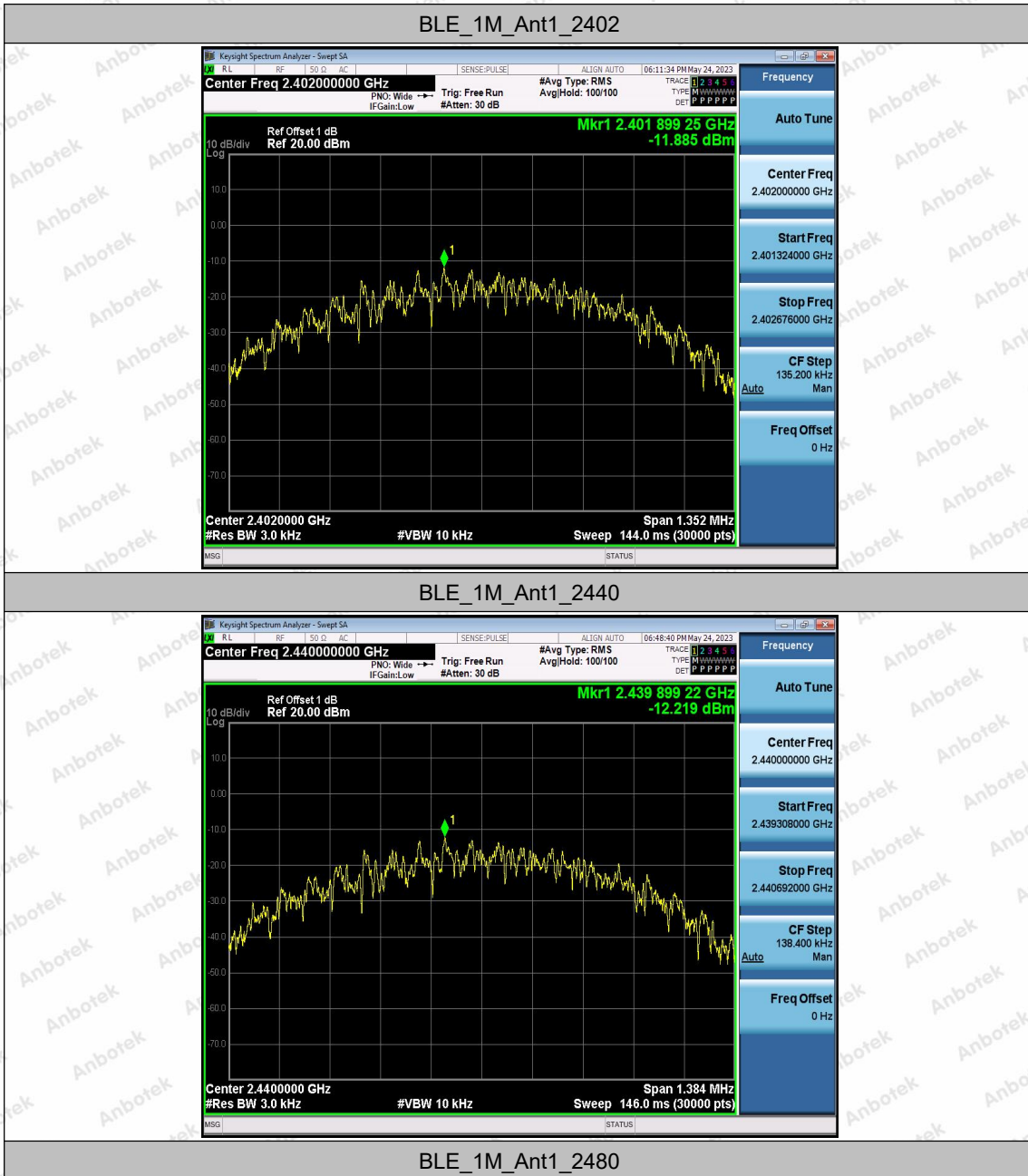
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-11.89	≤8.00	PASS
		2440	-12.22	≤8.00	PASS
		2480	-12.3	≤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	0.95	-42.61	≤-19.05	PASS
		High	2480	0.56	-43.91	≤-19.45	PASS

Test Graphs



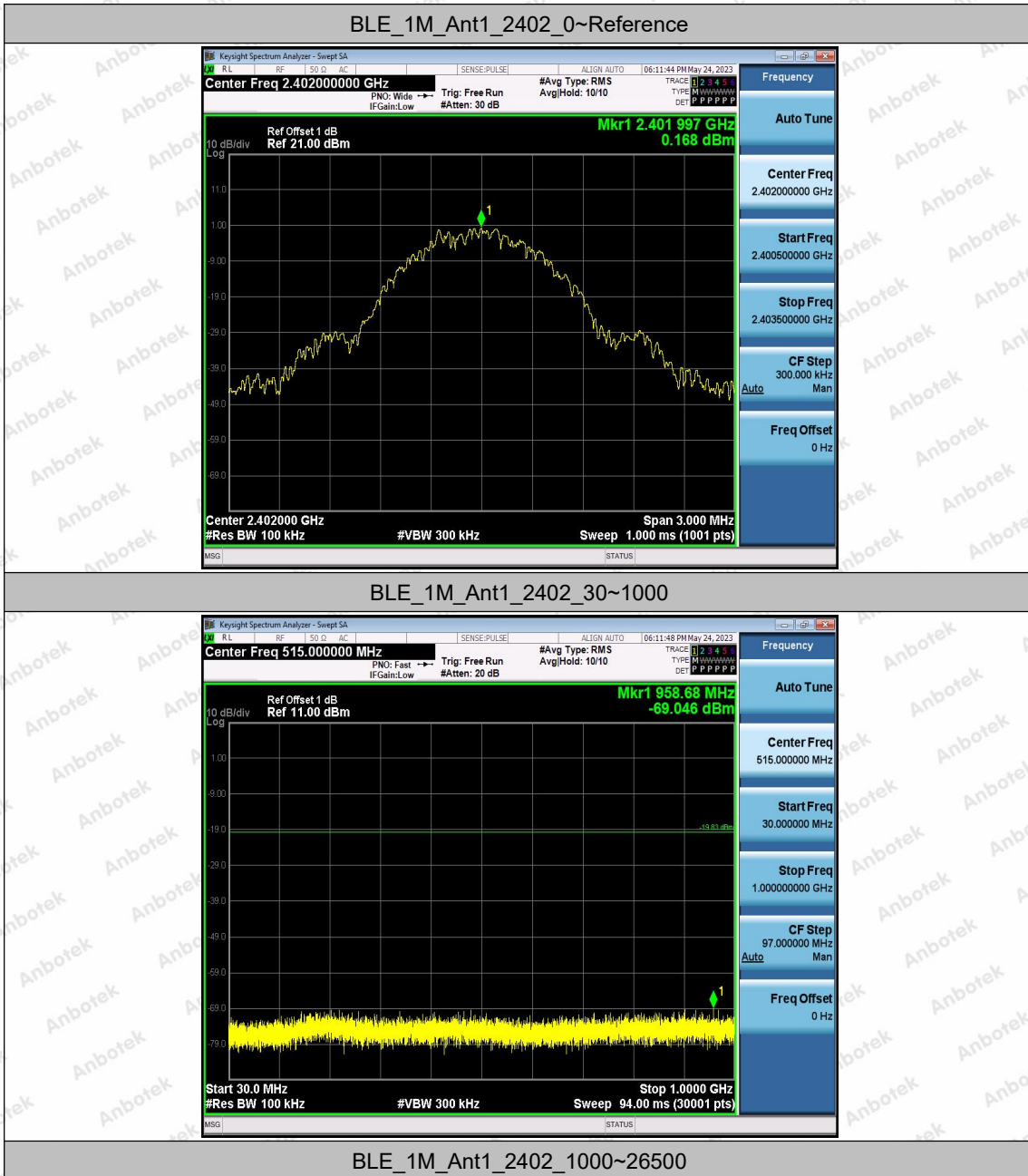
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	0.17	0.17	---	PASS
			30~1000	0.17	-69.05	≤-19.83	PASS
			1000~26500	0.17	-41.02	≤-19.83	PASS
		2440	Reference	-0.56	-0.56	---	PASS
			30~1000	-0.56	-68.47	≤-20.56	PASS
			1000~26500	-0.56	-40.15	≤-20.56	PASS
		2480	Reference	-0.79	-0.79	---	PASS
			30~1000	-0.79	-69.01	≤-20.79	PASS
			1000~26500	-0.79	-41.06	≤-20.79	PASS



Test Graphs

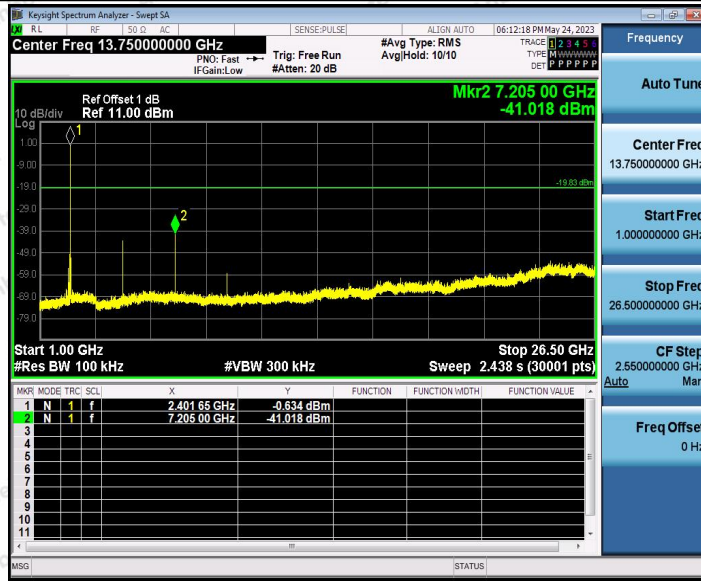


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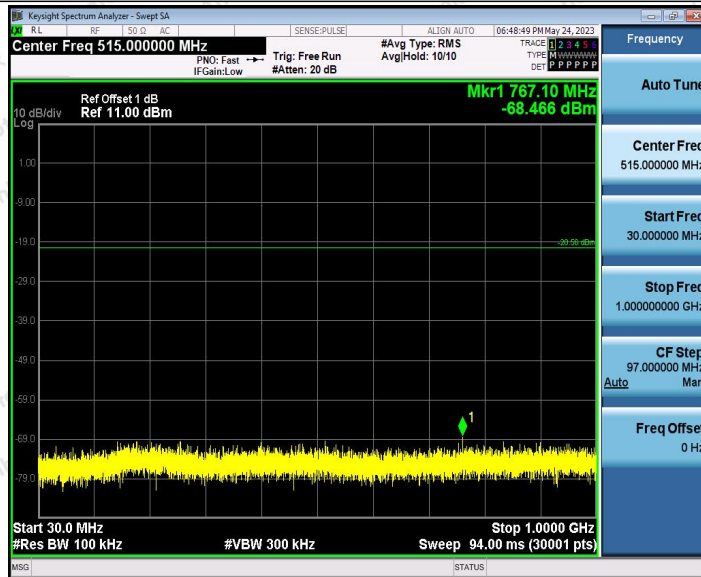




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



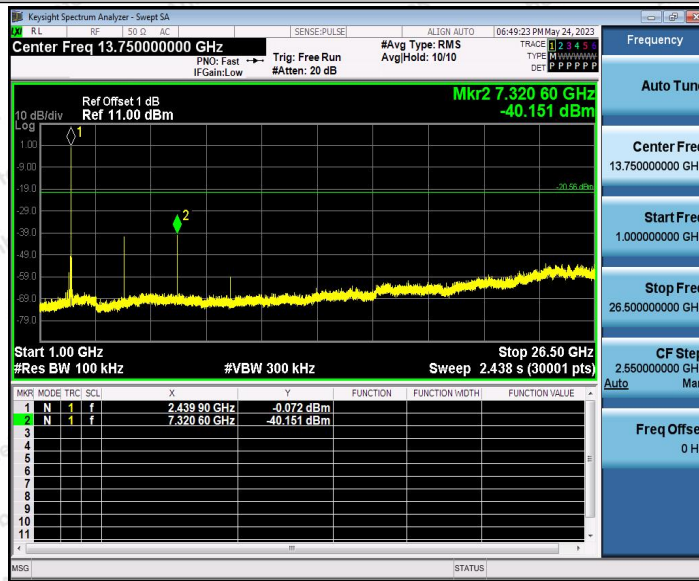
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



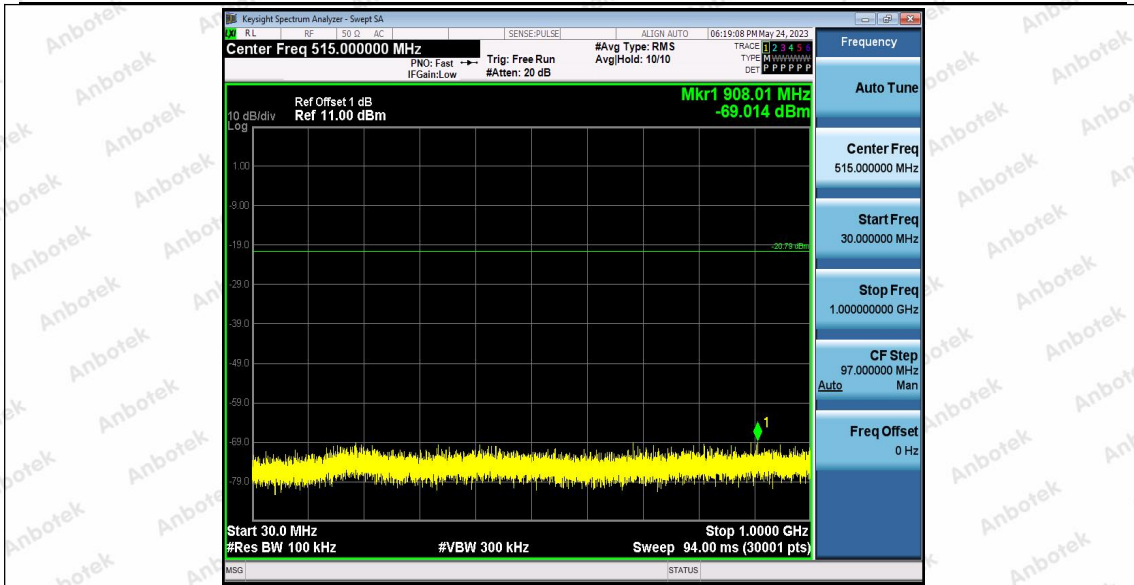
BLE_1M_Ant1_2480_30~1000

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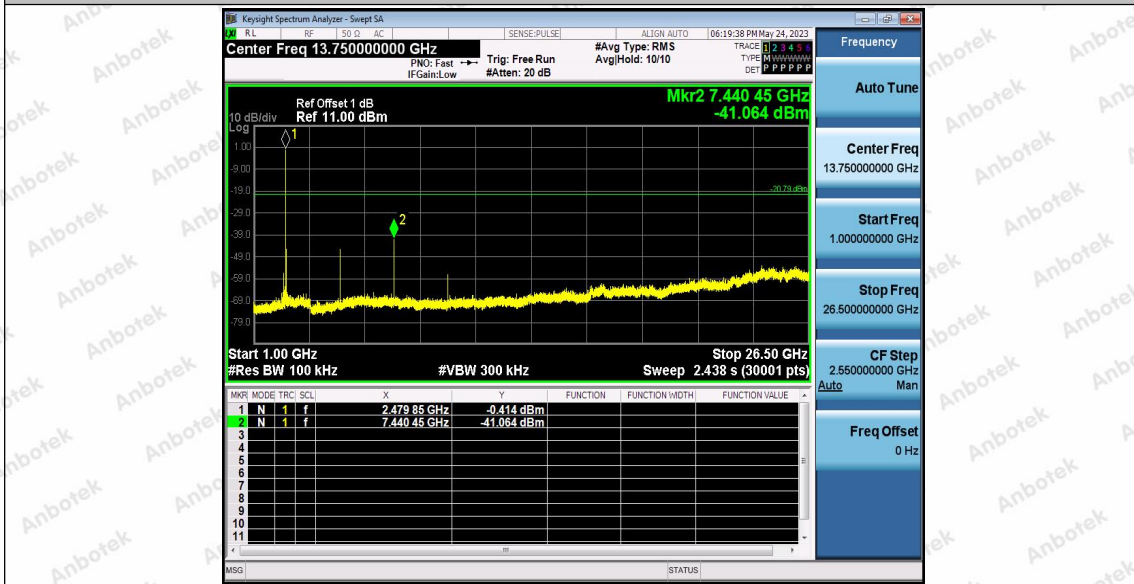
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BLE_1M_Ant1_2480_1000~26500



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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	19.00	19.00	100	0.00
		2440	19.00	19.00	100	0.00
		2480	19.00	19.00	100	0.00

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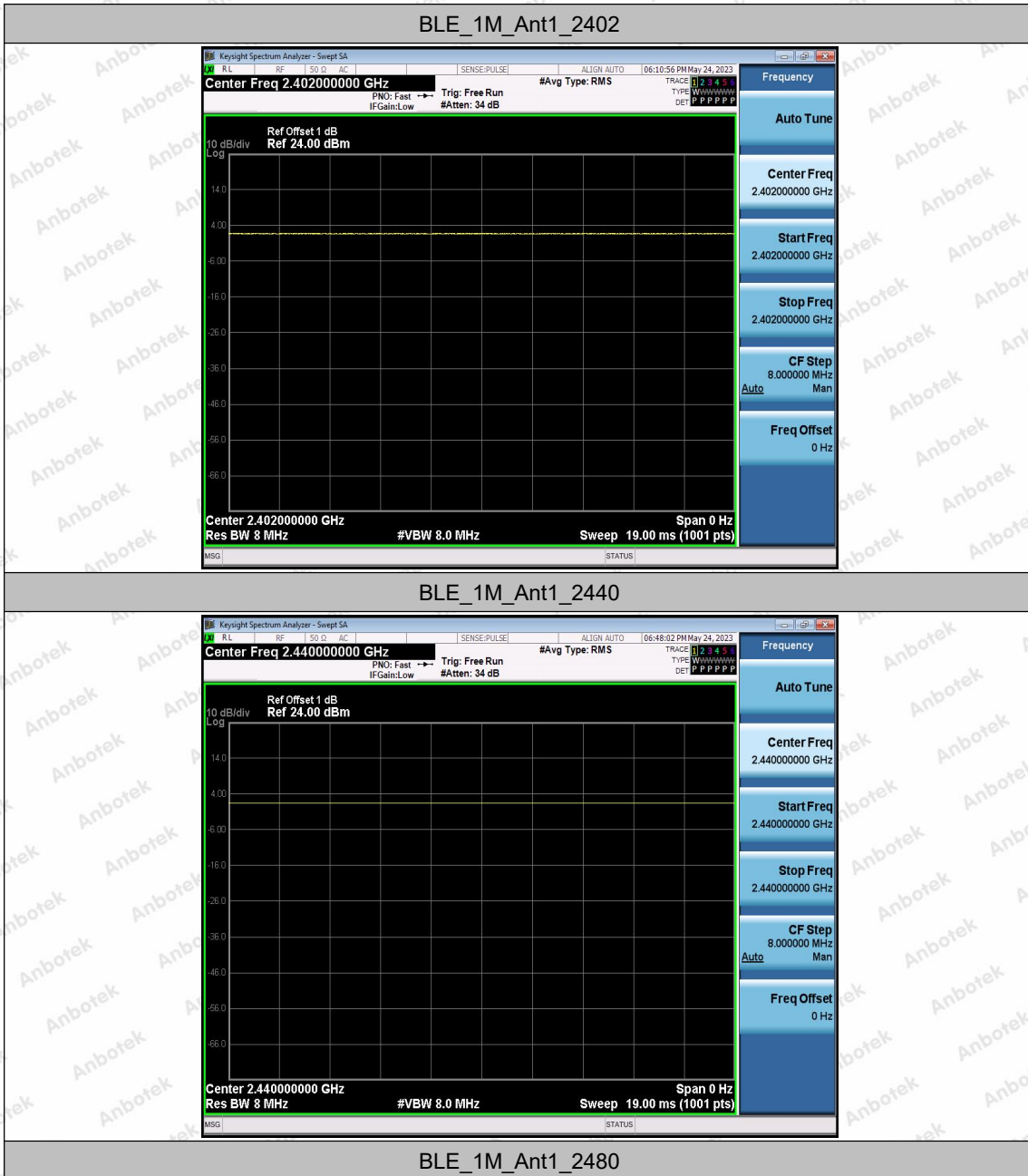
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Test Graphs

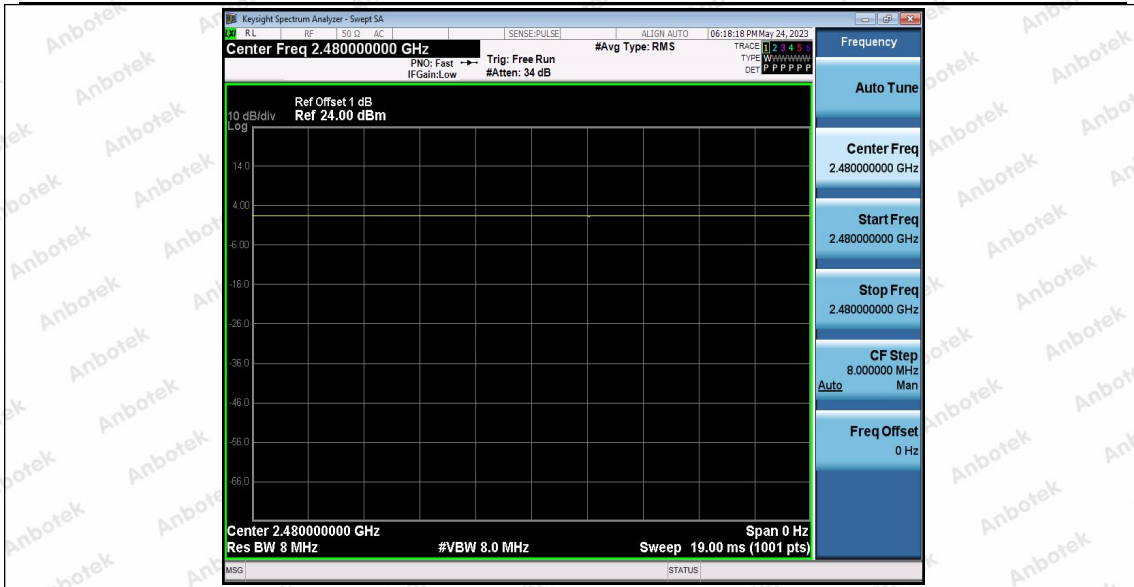


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