

Appendix Test Data

Report No.:	18220WC30245801	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:	25.4°C	Relative Humidity:	45%
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	2401.652	2402.352	0.5	PASS
		2440	0.692	2439.652	2440.344	0.5	PASS
		2480	0.680	2479.664	2480.344	0.5	PASS

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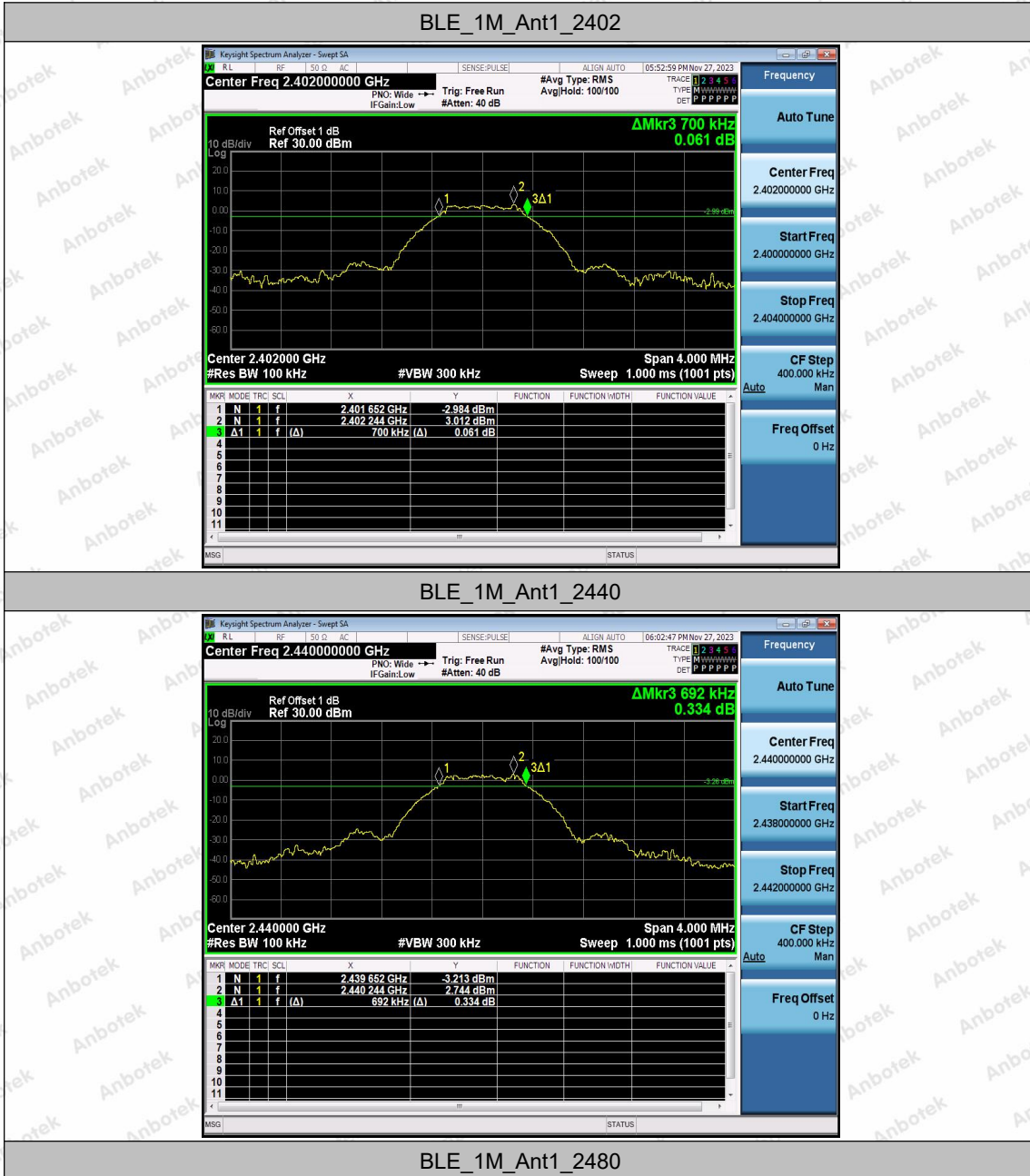
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Test Graphs

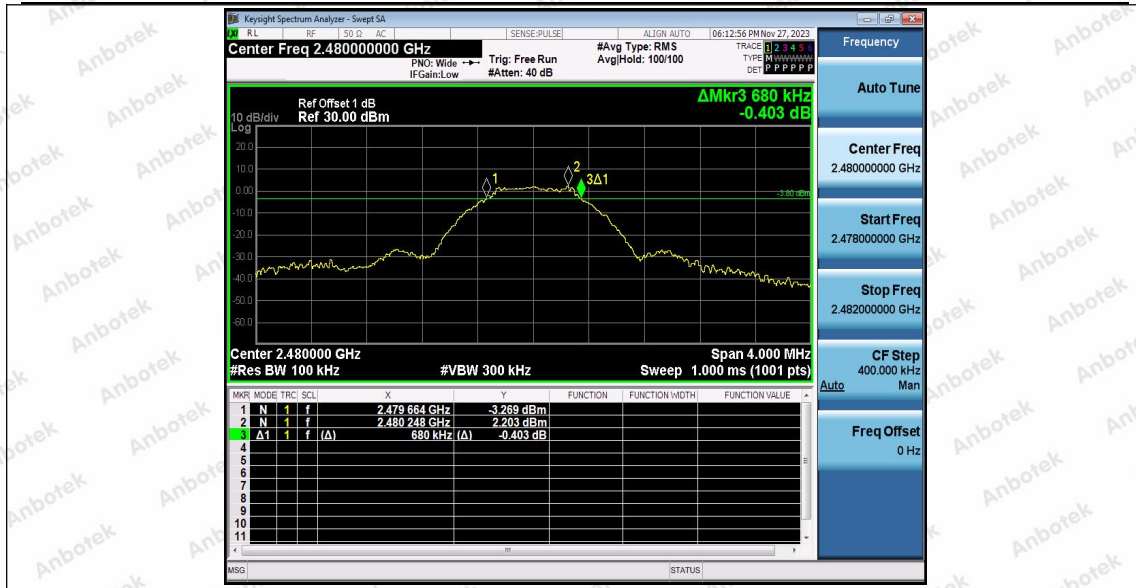


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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0288	2401.4881	2402.5169
		2440	1.0308	2439.4885	2440.5193
		2480	1.0323	2479.4868	2480.5191

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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	3.90	≤30	PASS
		2440	3.65	≤30	PASS
		2480	3.12	≤30	PASS

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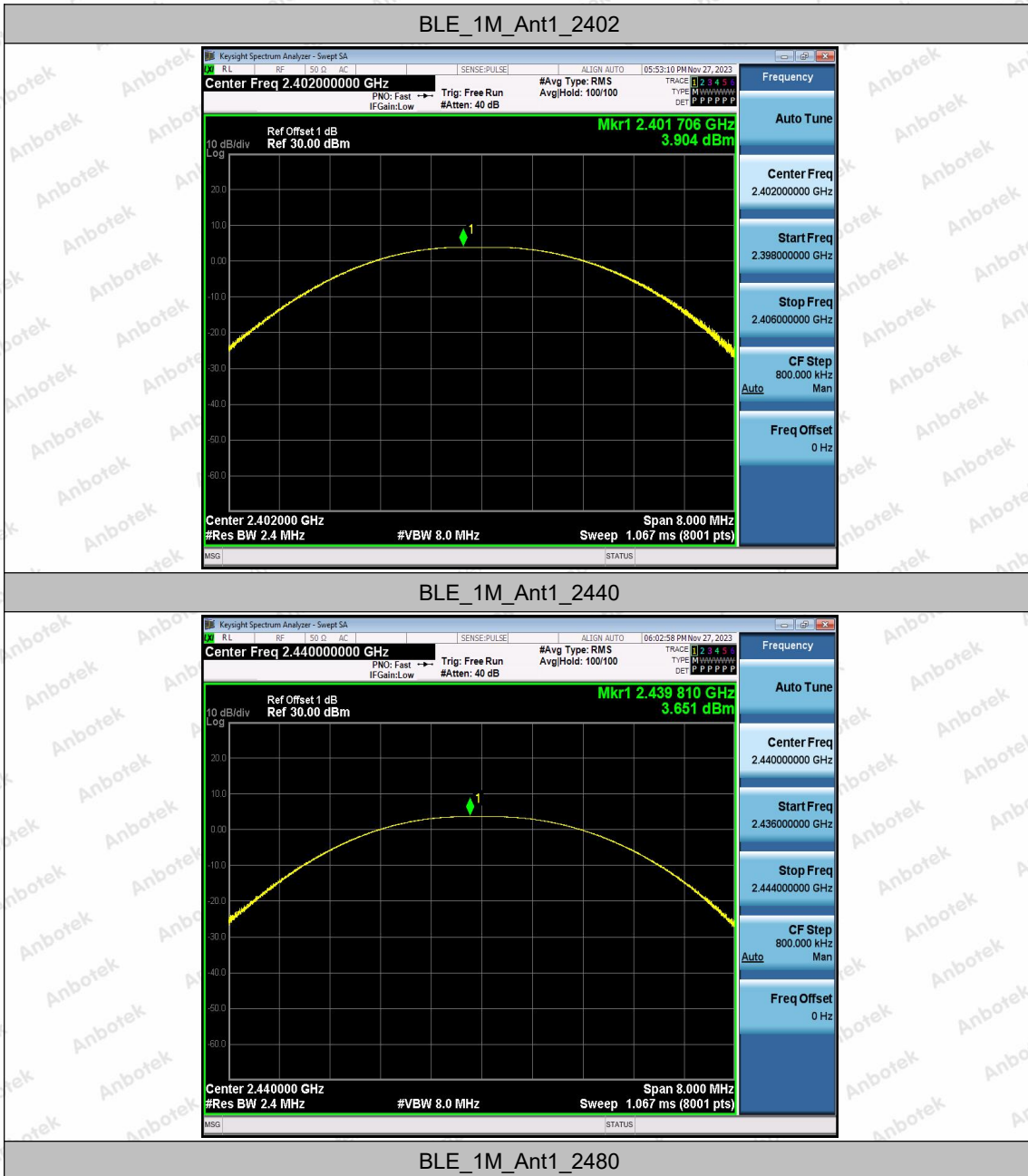
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Test Graphs Peak



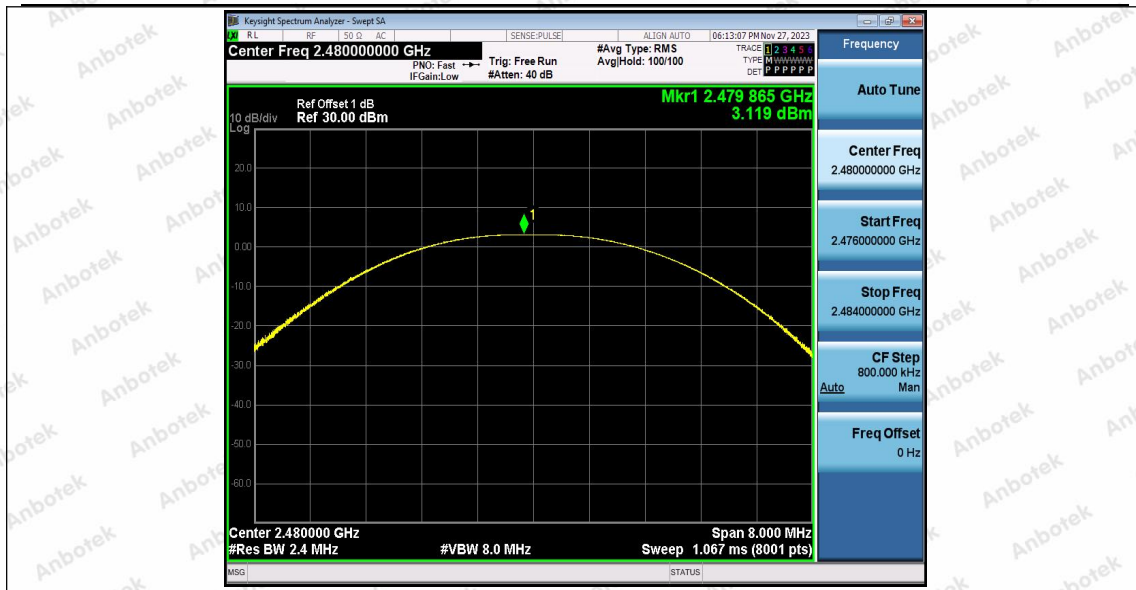
BLE_1M_Ant1_2480

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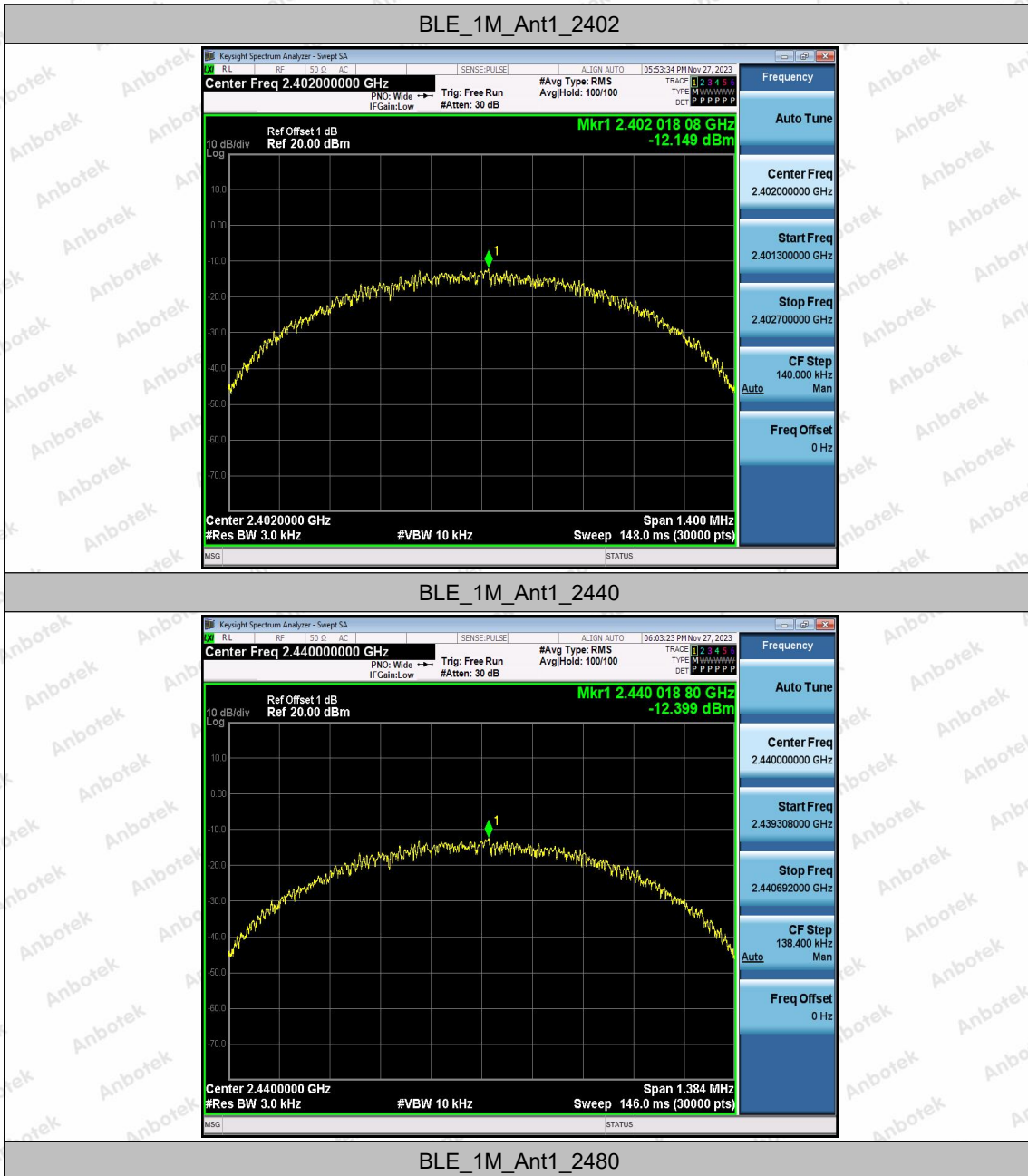
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.15	≤8.00	PASS
		2440	-12.40	≤8.00	PASS
		2480	-12.92	≤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	3.82	-33.75	≤-16.19	PASS
		High	2480	2.19	-50.46	≤-17.81	PASS

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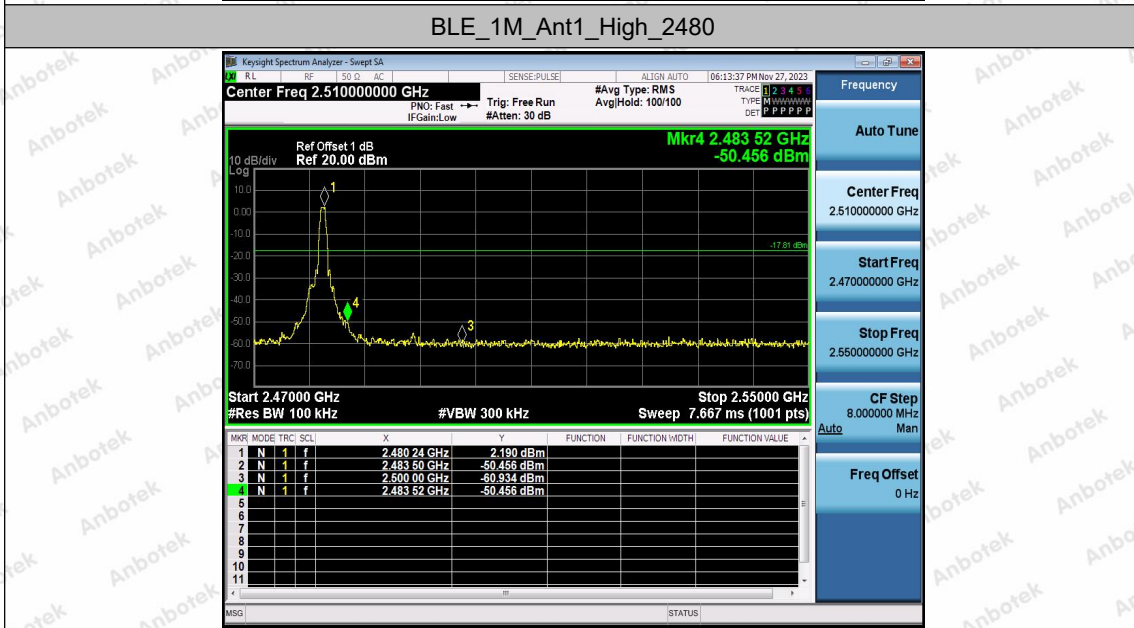
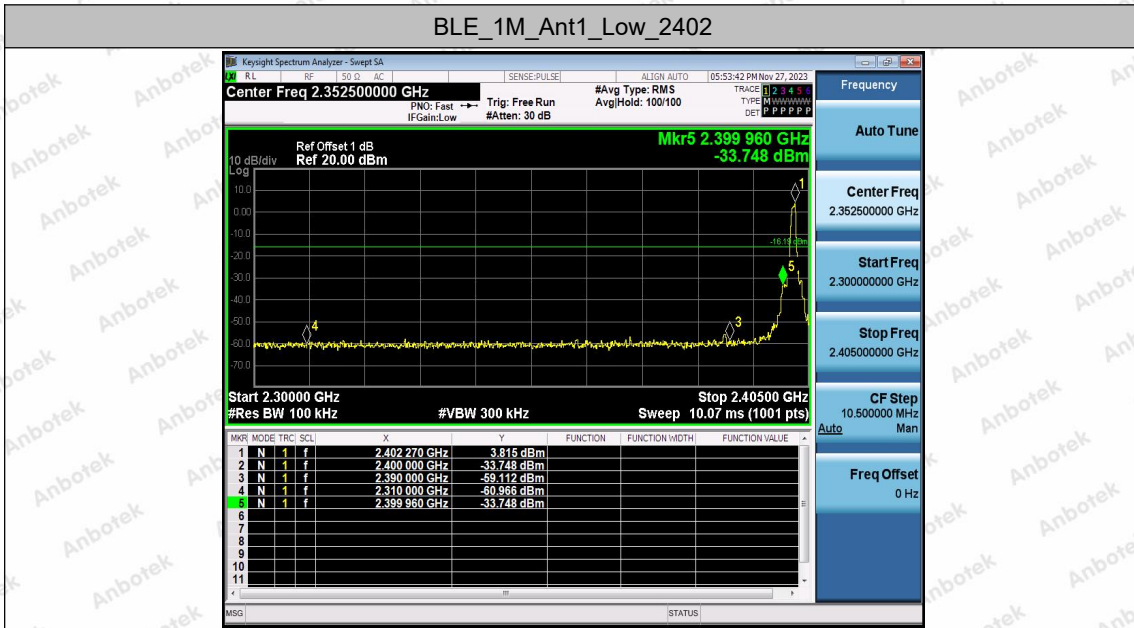
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Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	Reference	2.34	2.34	---	PASS
			30~1000	2.34	-69.2	≤-17.66	PASS
			1000~26500	2.34	-51.36	≤-17.66	PASS
		2440	Reference	1.79	1.79	---	PASS
			30~1000	1.79	-68.62	≤-18.21	PASS
			1000~26500	1.79	-53.61	≤-18.21	PASS
		2480	Reference	2.10	2.10	---	PASS
			30~1000	2.10	-68.62	≤-17.9	PASS
			1000~26500	2.10	-53.15	≤-17.9	PASS

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Test Graphs

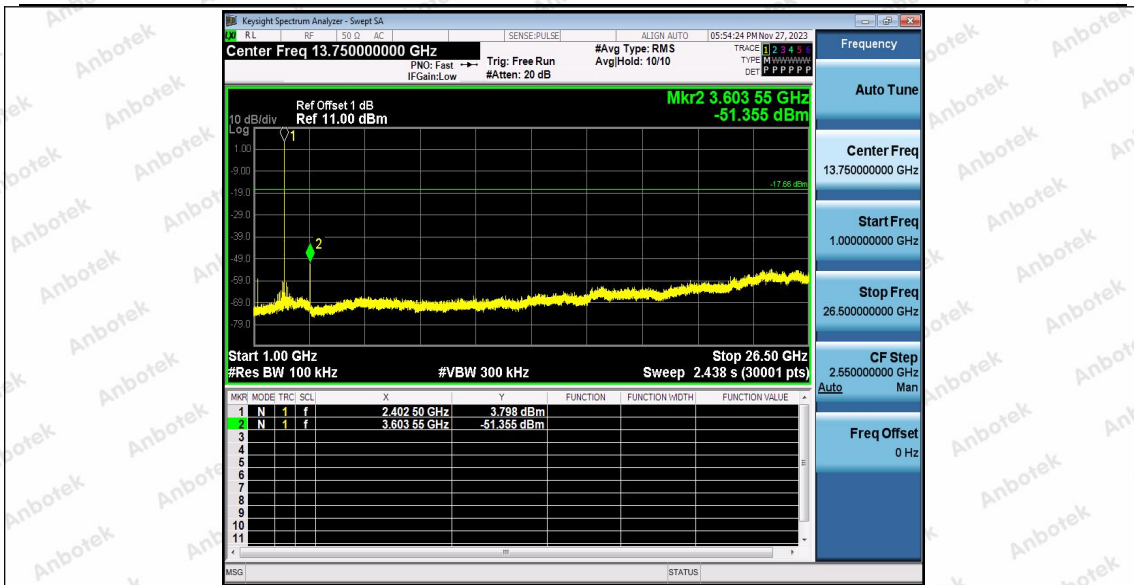


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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000

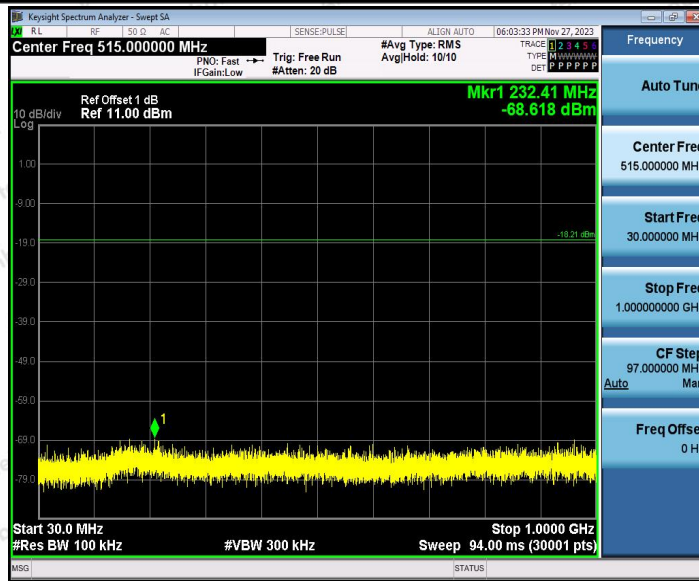
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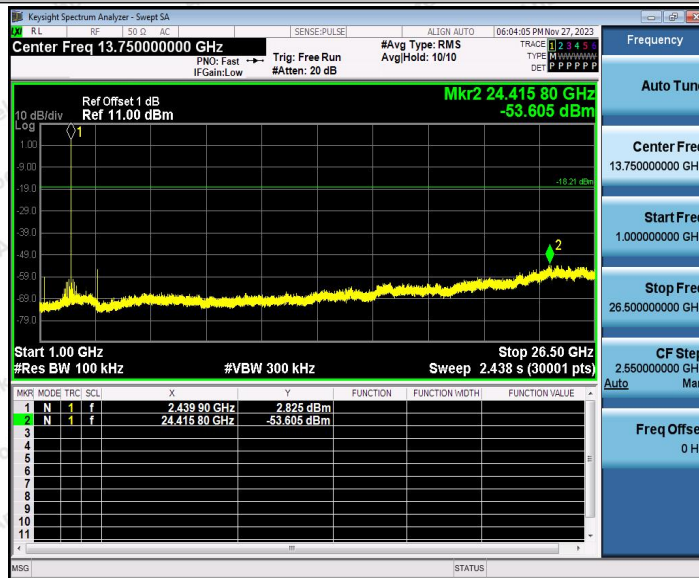


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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

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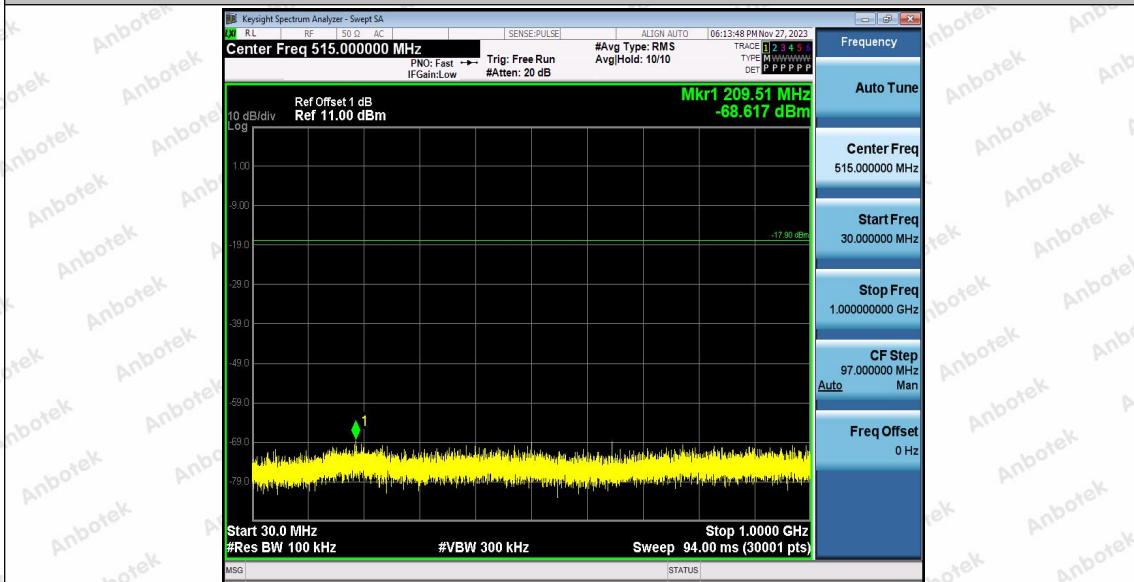
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BLE_1M_Ant1_2480_30~1000



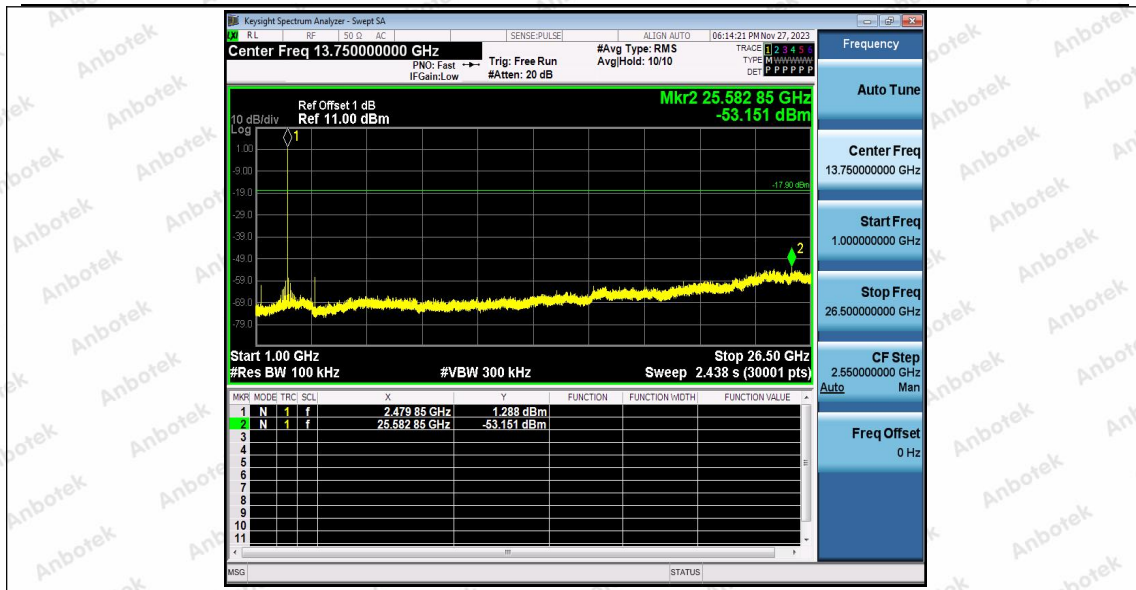
BLE_1M_Ant1_2480_1000~26500

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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_1M	Ant1	2402	2.12	2.50	84.80	0.72
		2440	2.13	2.50	85.20	0.70
		2480	2.12	2.50	84.80	0.72

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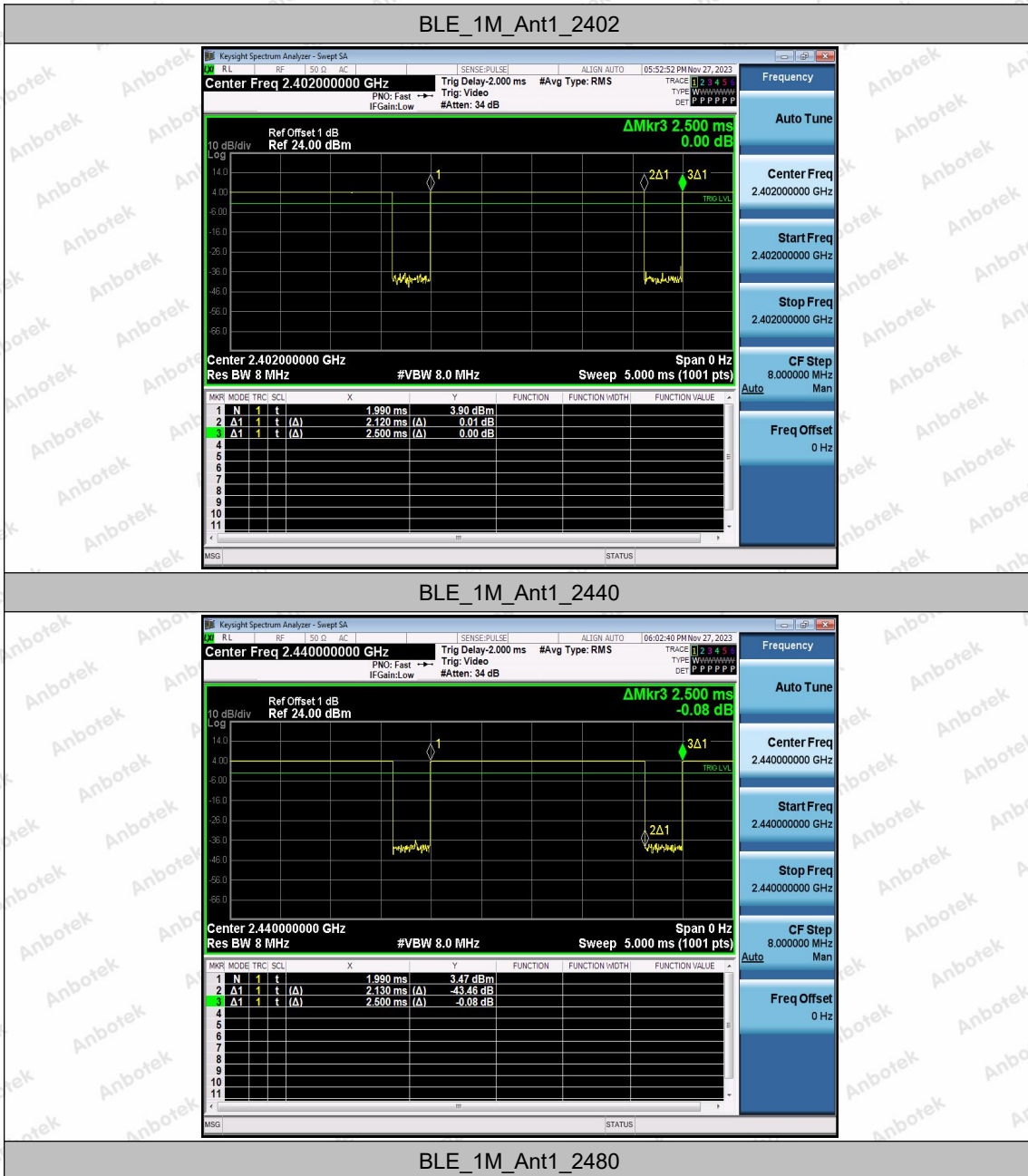
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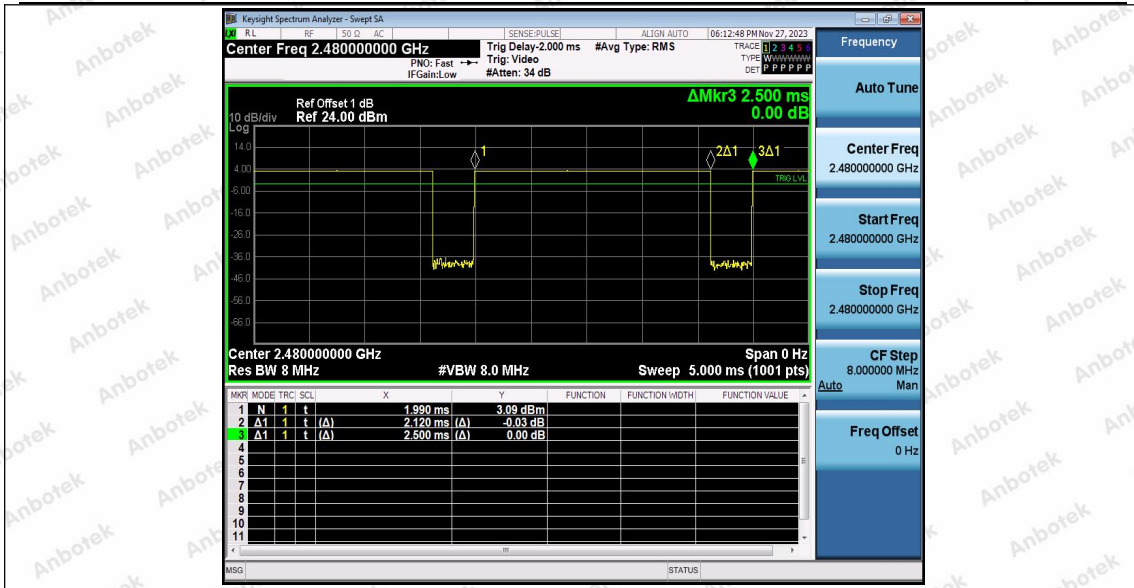


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