

Appendix Test Data

Report No.:	18220WC20274302	Test Sample No.:	1-2-2
Start Test Date:	2022.11.30	Finish Test Date:	2022.12.26
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3C°	Relative Humidity:	37 %
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	0.672	2401.660	2402.332	0.5	PASS
		2440	0.704	2439.652	2440.356	0.5	PASS
		2480	0.672	2479.660	2480.332	0.5	PASS

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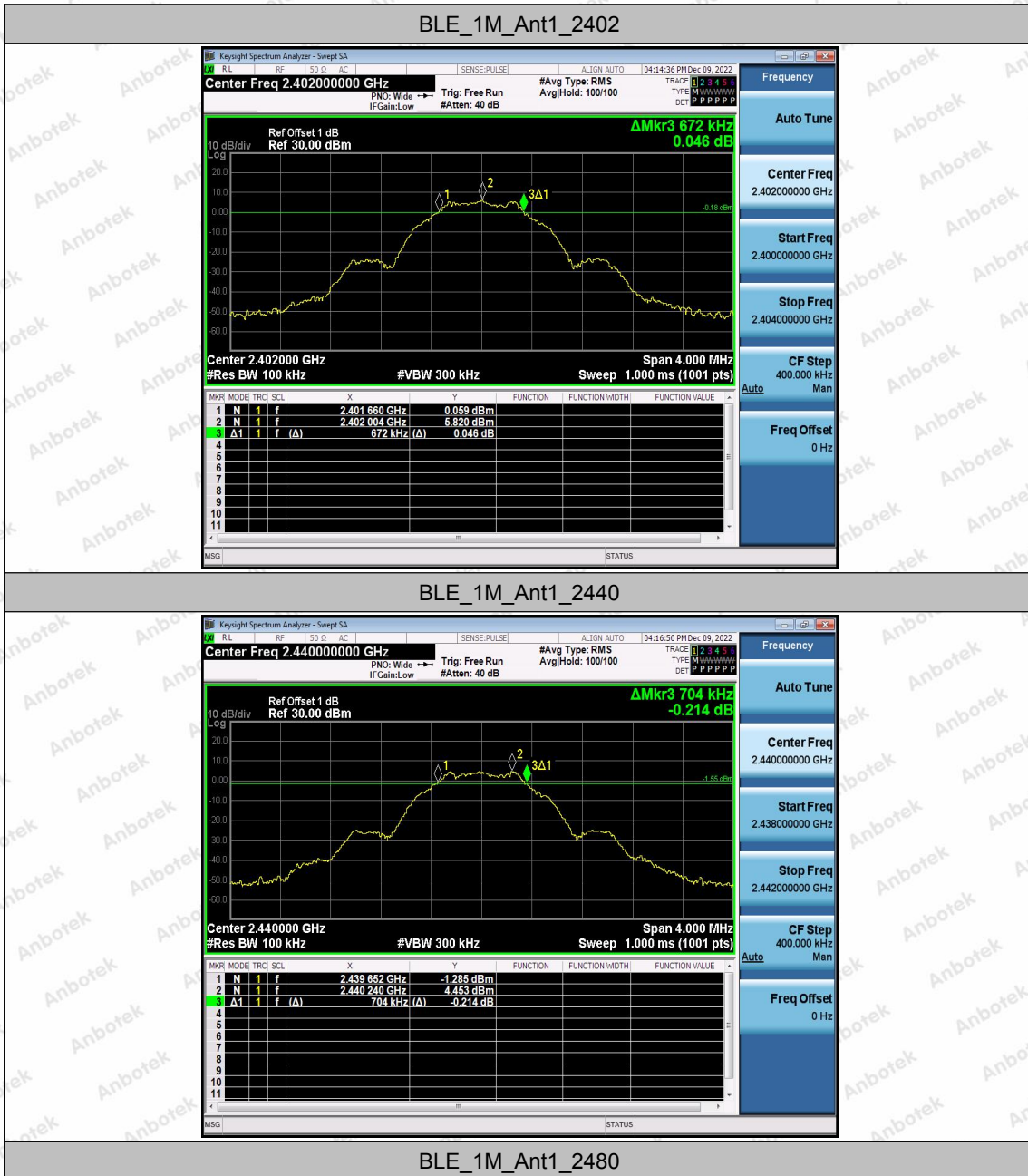
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Test Graphs

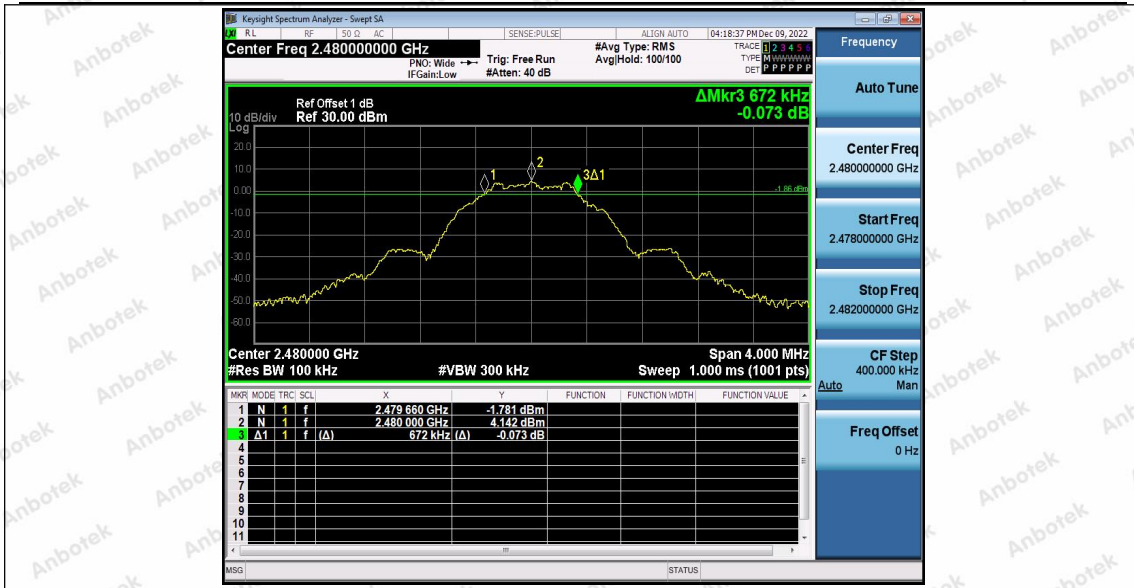


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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0387	2401.4875	2402.5262
		2440	1.0413	2439.4876	2440.5289
		2480	1.0316	2479.4849	2480.5165

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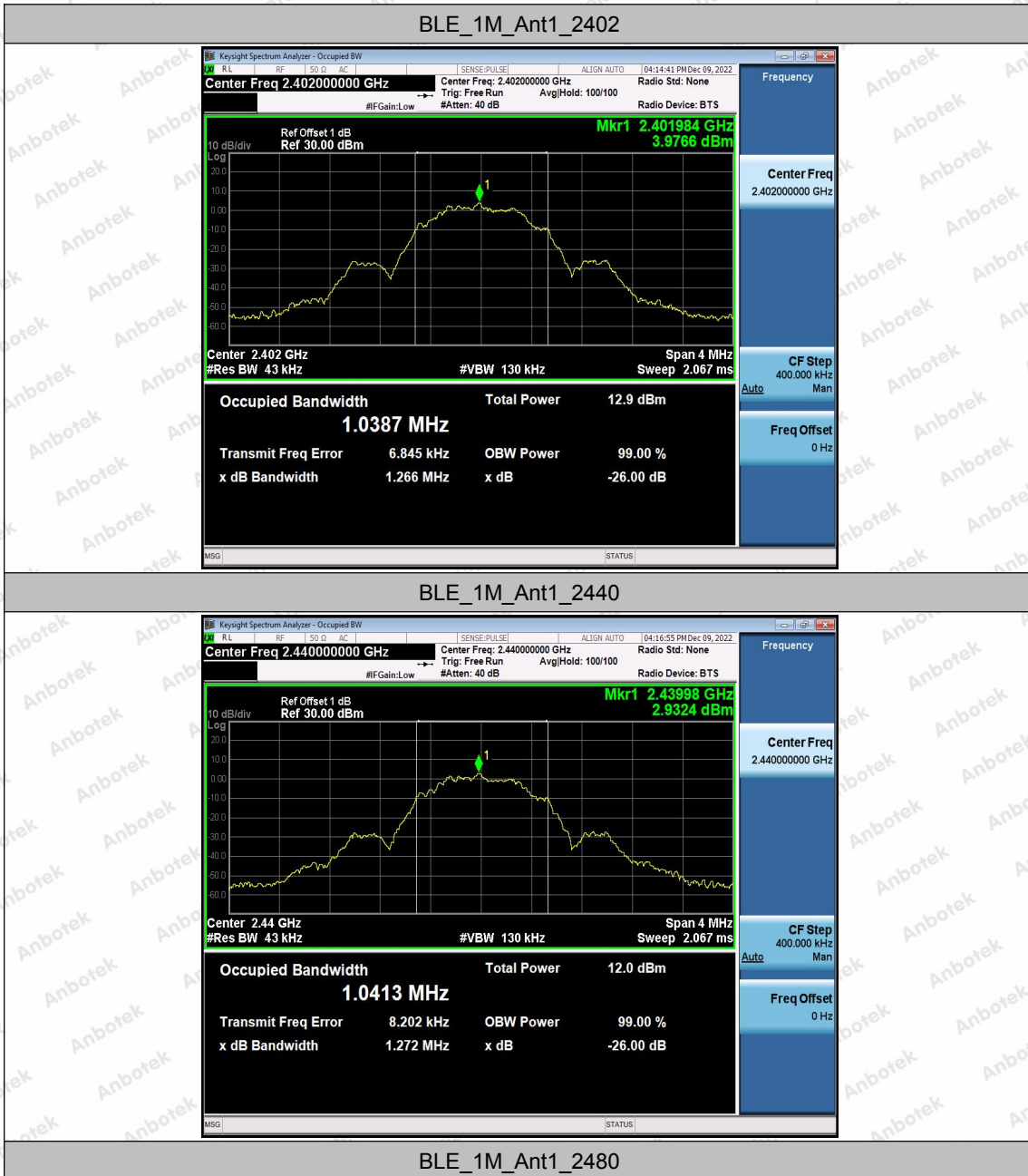
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Test Graphs



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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	6.41	≤30	PASS
		2440	5.54	≤30	PASS
		2480	4.75	≤30	PASS

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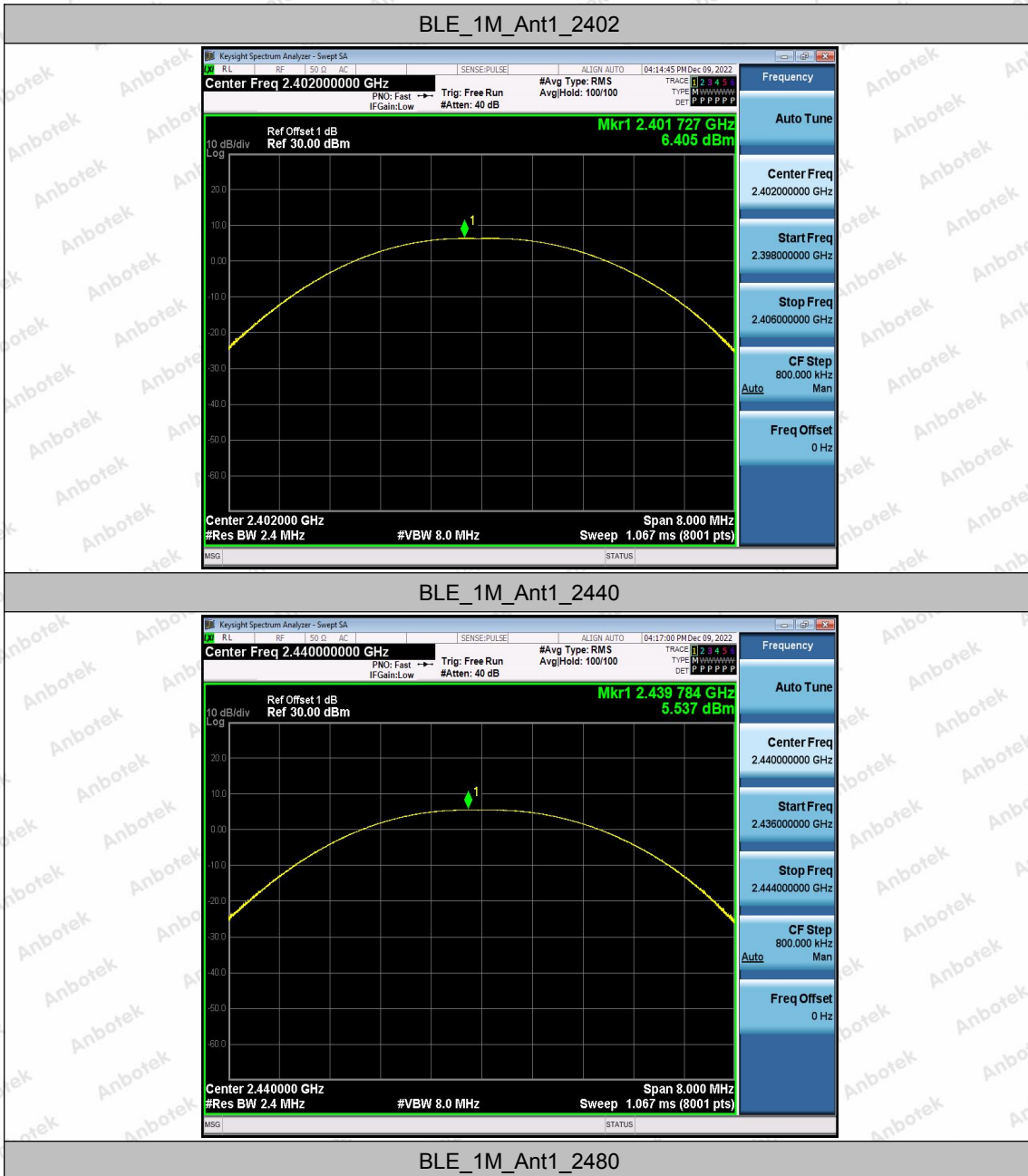
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Test Graphs Peak



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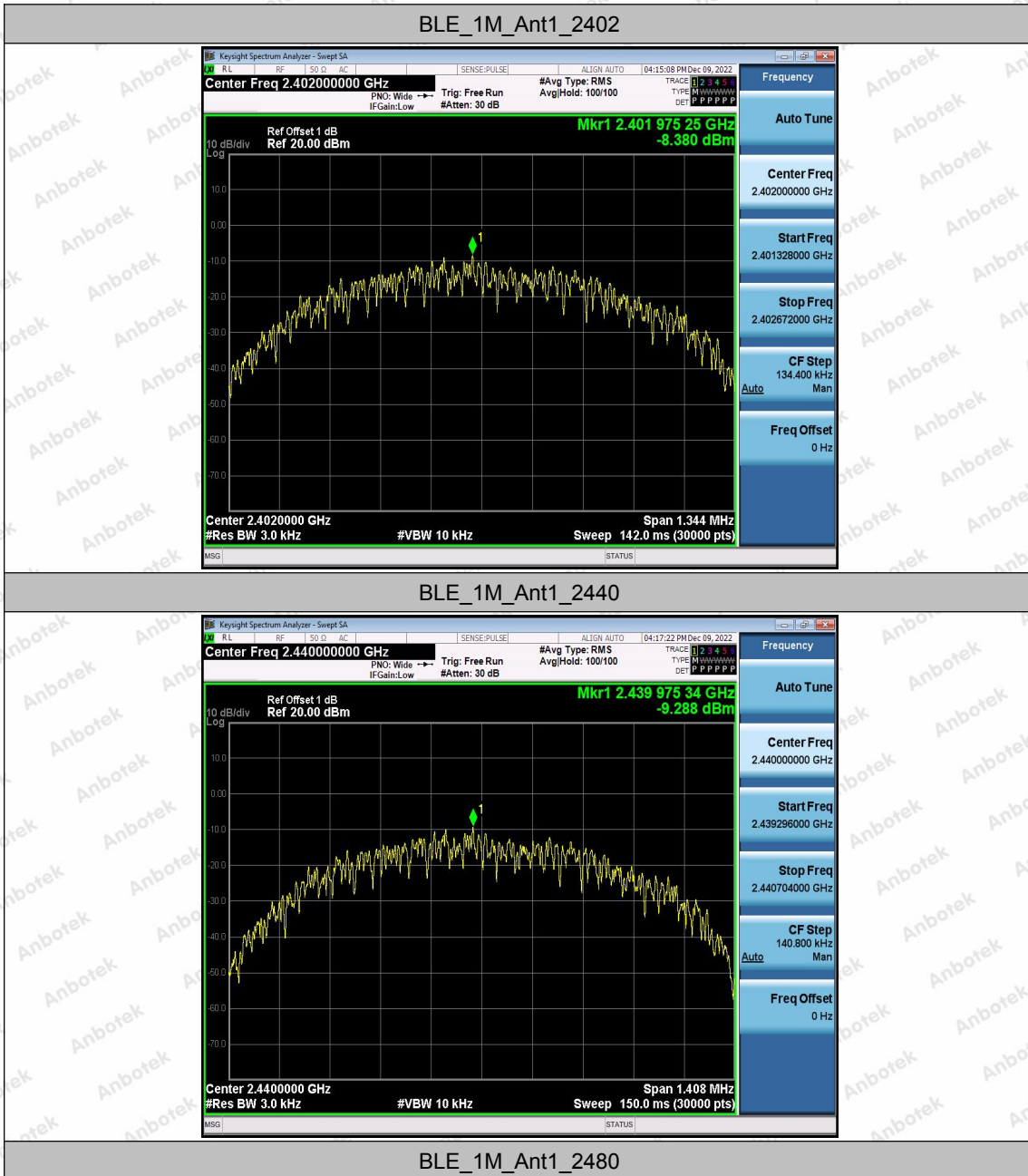
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-8.38	≤8.00	PASS
		2440	-9.29	≤8.00	PASS
		2480	-10.06	≤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	5.70	-53.5	≤-14.3	PASS
		High	2480	4.27	-57.45	≤-15.73	PASS

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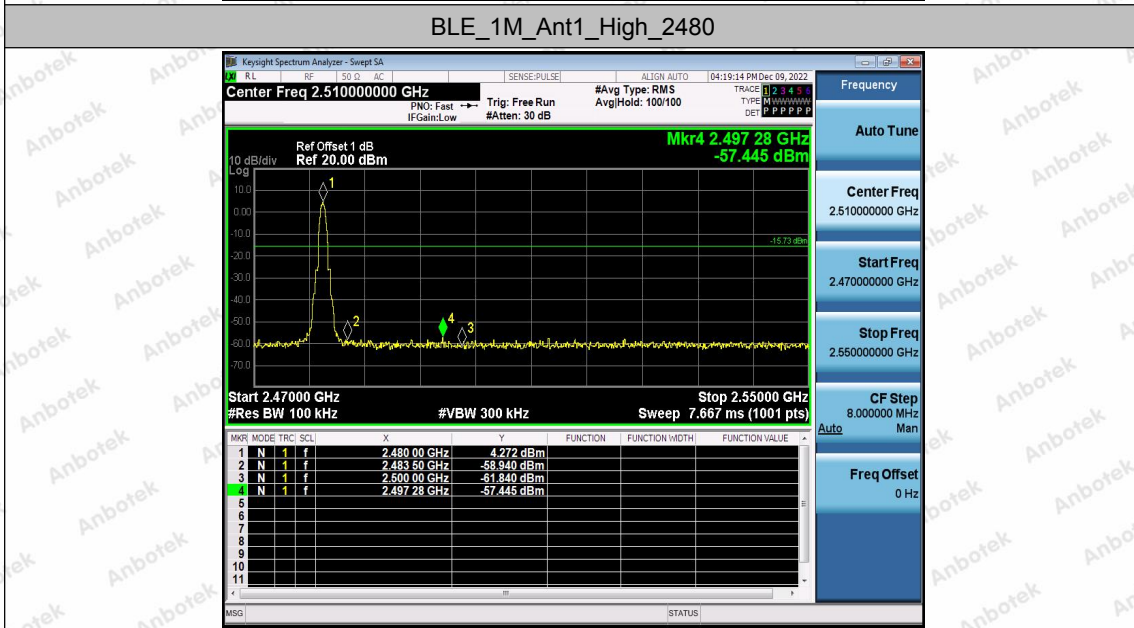
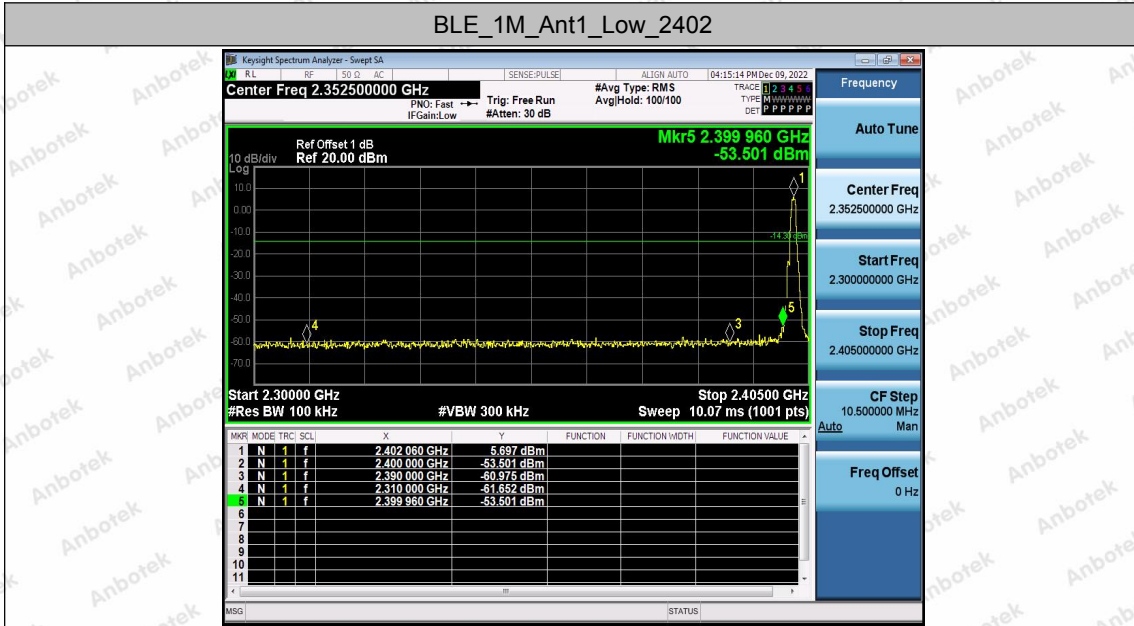
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Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	4.39	4.39	---	PASS
			30~1000	4.39	-68.86	≤-15.61	PASS
			1000~26500	4.39	-42.16	≤-15.61	PASS
		2440	Reference	4.65	4.65	---	PASS
			30~1000	4.65	-69.34	≤-15.35	PASS
			1000~26500	4.65	-40.11	≤-15.35	PASS
		2480	Reference	3.01	3.01	---	PASS
			30~1000	3.01	-68.81	≤-16.99	PASS
			1000~26500	3.01	-44.61	≤-16.99	PASS



Test Graphs

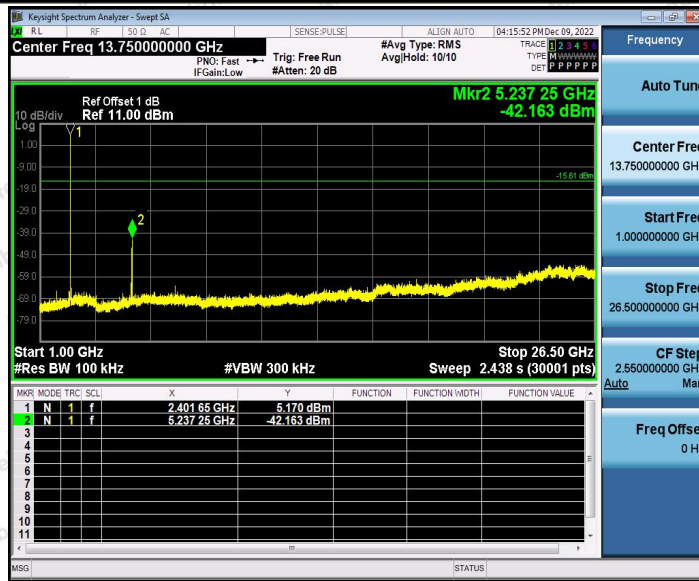


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BLE_1M_Ant1_2440_0~Reference



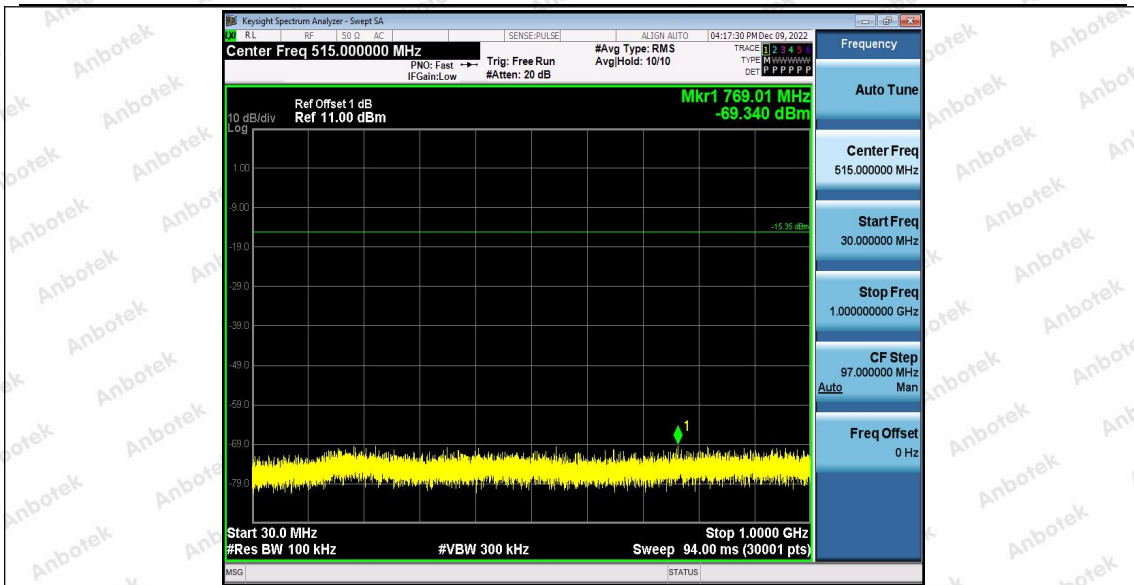
BLE_1M_Ant1_2440_30~1000

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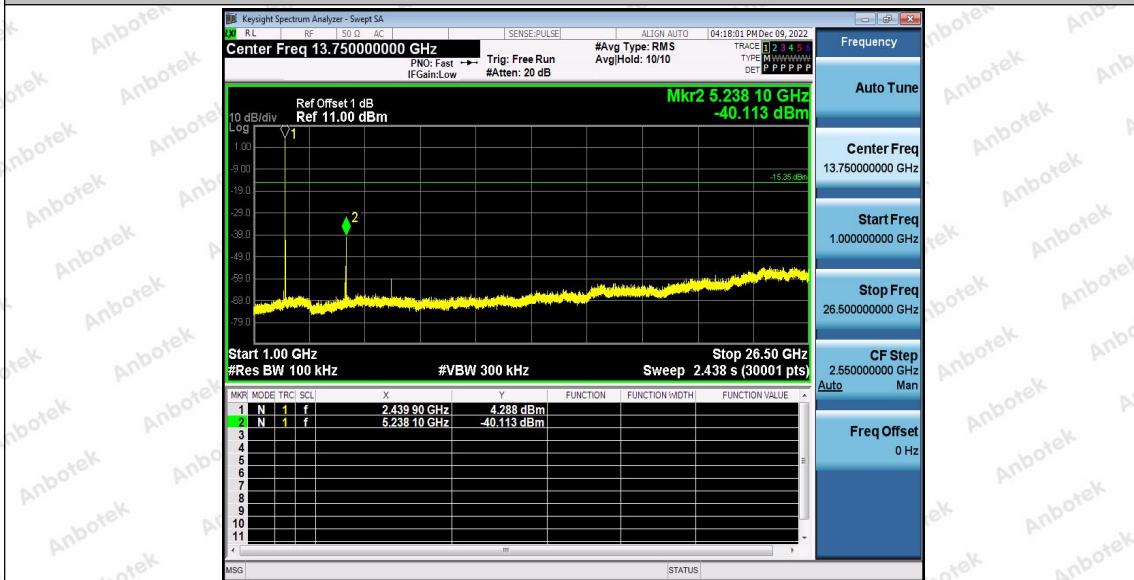
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

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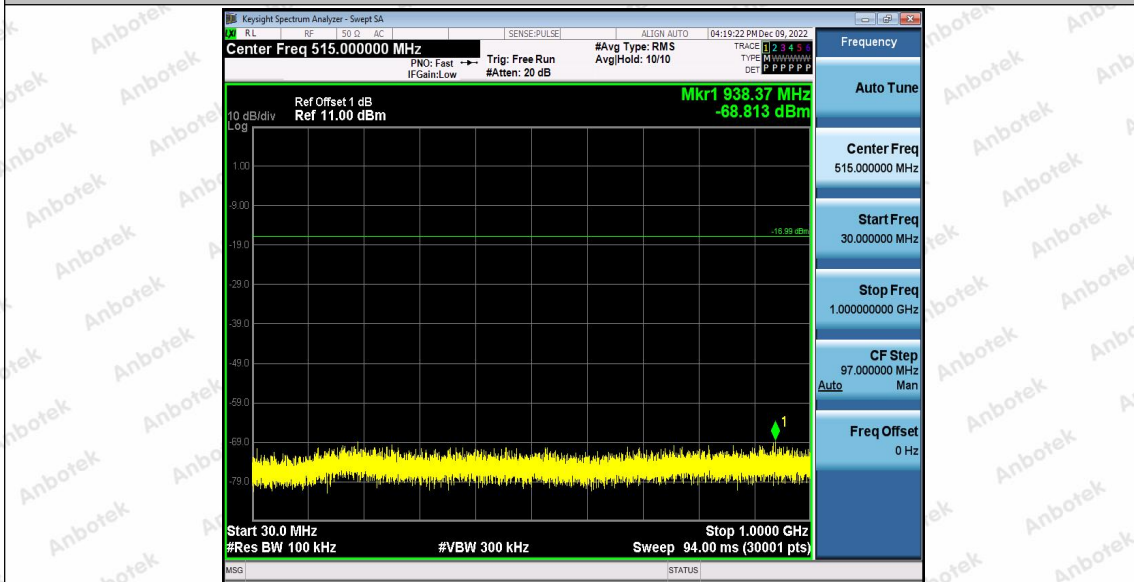
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BLE_1M_Ant1_2480_30~1000



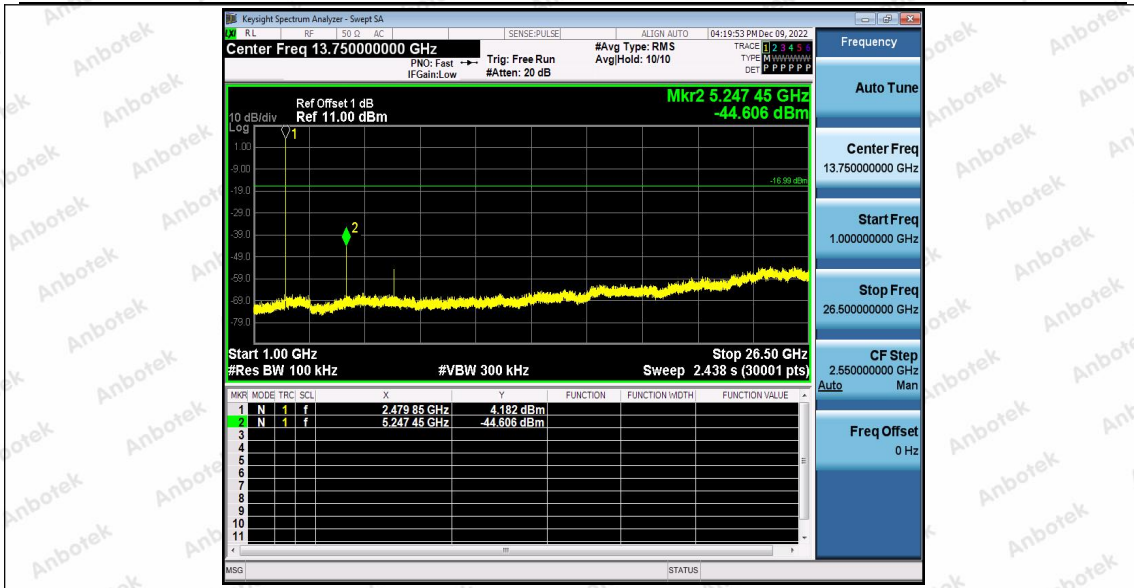
BLE_1M_Ant1_2480_1000~26500

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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	0.39	0.63	61.90	2.08
		2440	0.39	0.63	61.90	2.08
		2480	0.39	0.63	61.90	2.08

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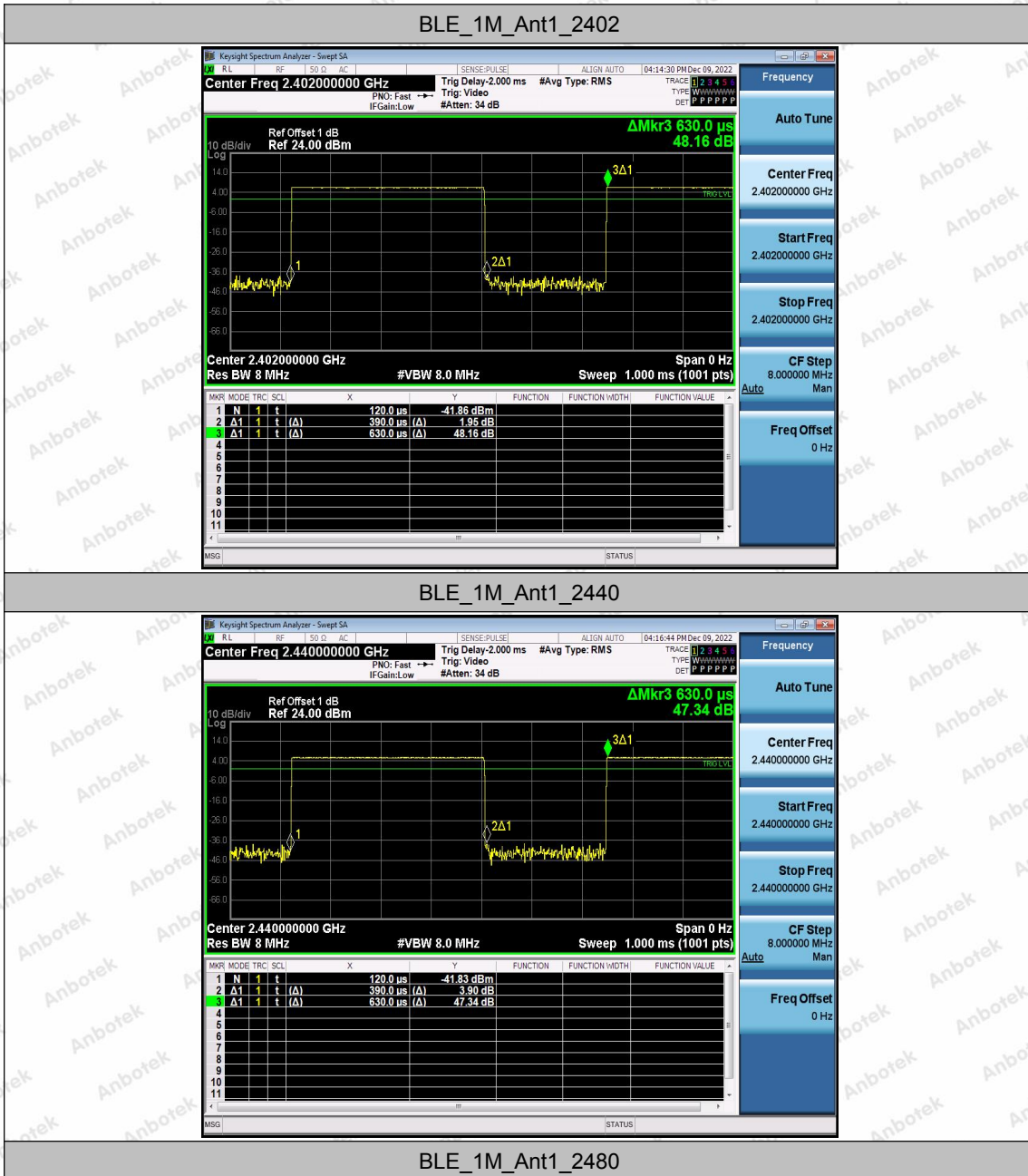
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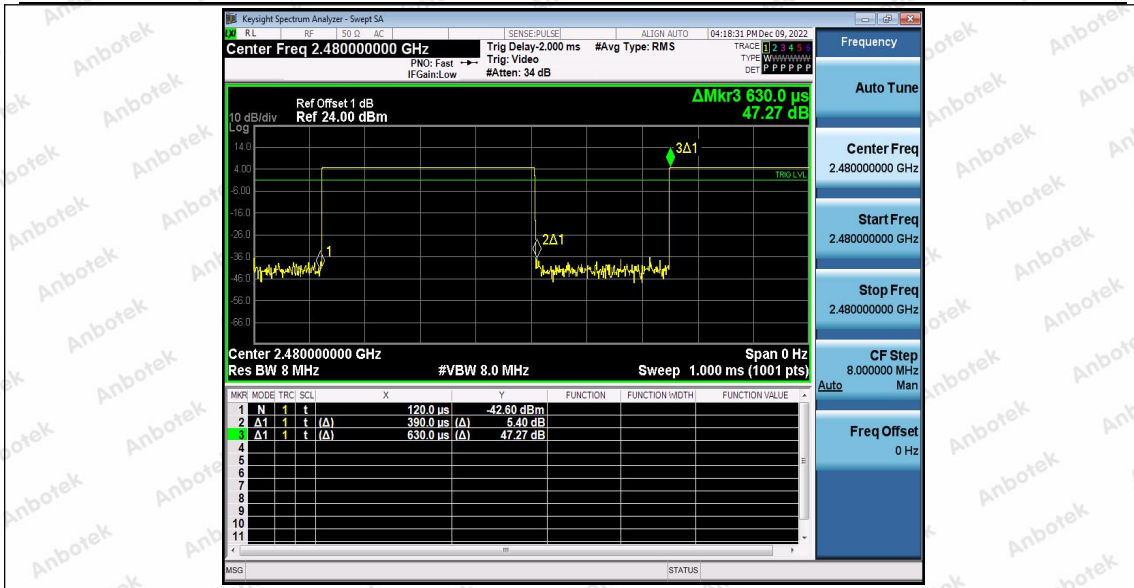


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