

Appendix Test Data

Report No.:	18220WC30241301	Test Sample No.:	1-2-2
Start Test Date:	2023.11.16	Finish Test Date:	2023.11.20
Test Engineer:	Hayman Chen	Auditor:	RICK Luo
Temperature:	25.4°C	Relative Humidity:	43%
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	0.692	2401.652	2402.344	0.5	PASS
		2440	0.664	2439.664	2440.328	0.5	PASS
		2480	0.700	2479.640	2480.340	0.5	PASS

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Test Graphs

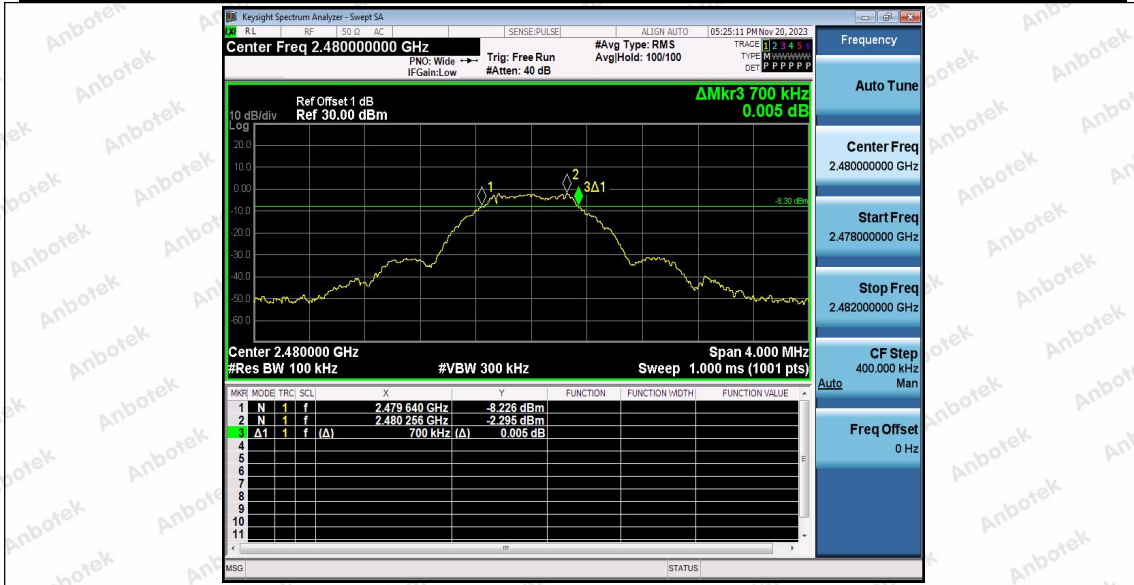


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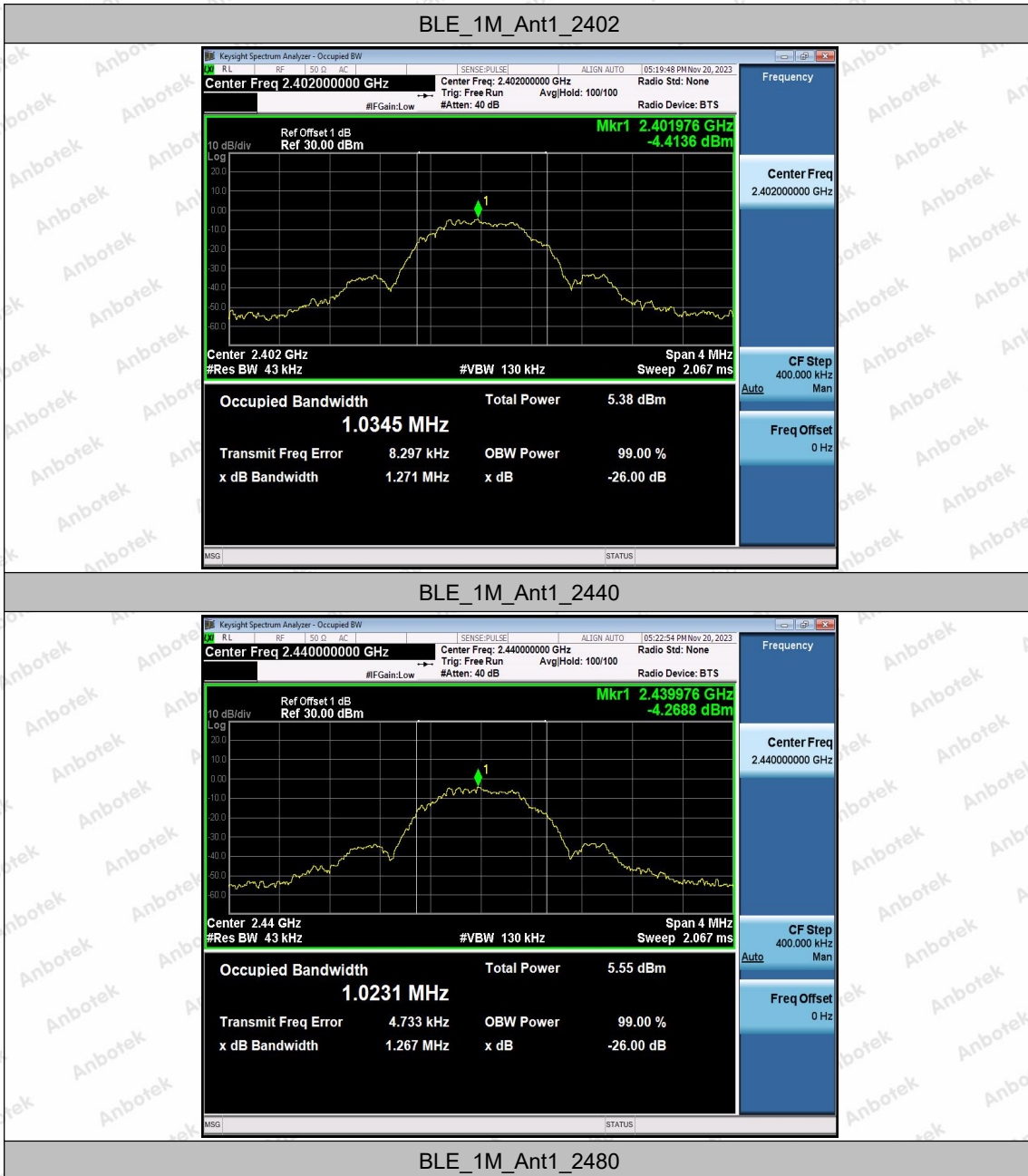
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0345	2401.4911	2402.5256
		2440	1.0231	2439.4932	2440.5163
		2480	1.0237	2479.4961	2480.5198



Test Graphs



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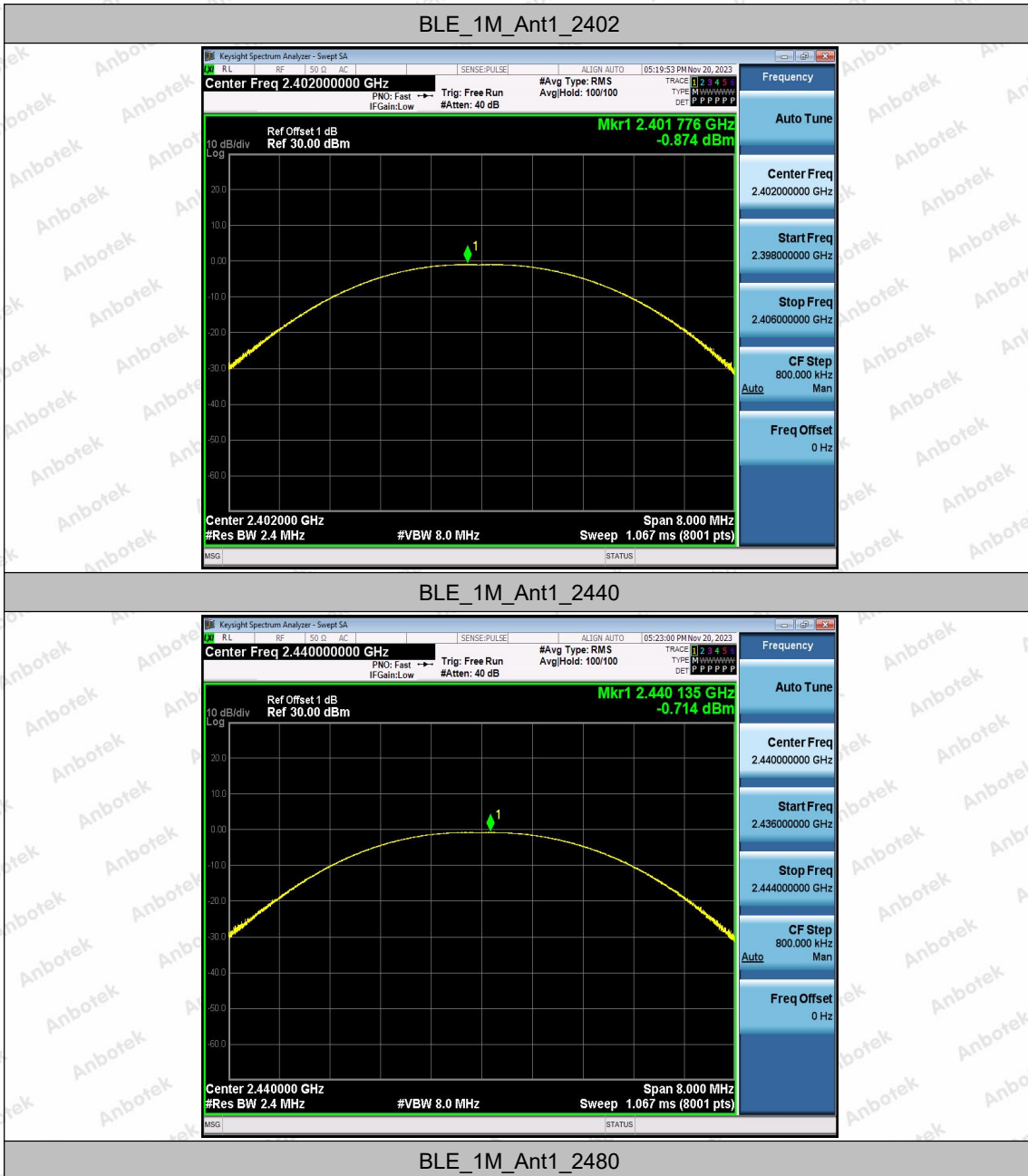
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.87	≤30	PASS
		2440	-0.71	≤30	PASS
		2480	-1.20	≤30	PASS



Test Graphs Peak



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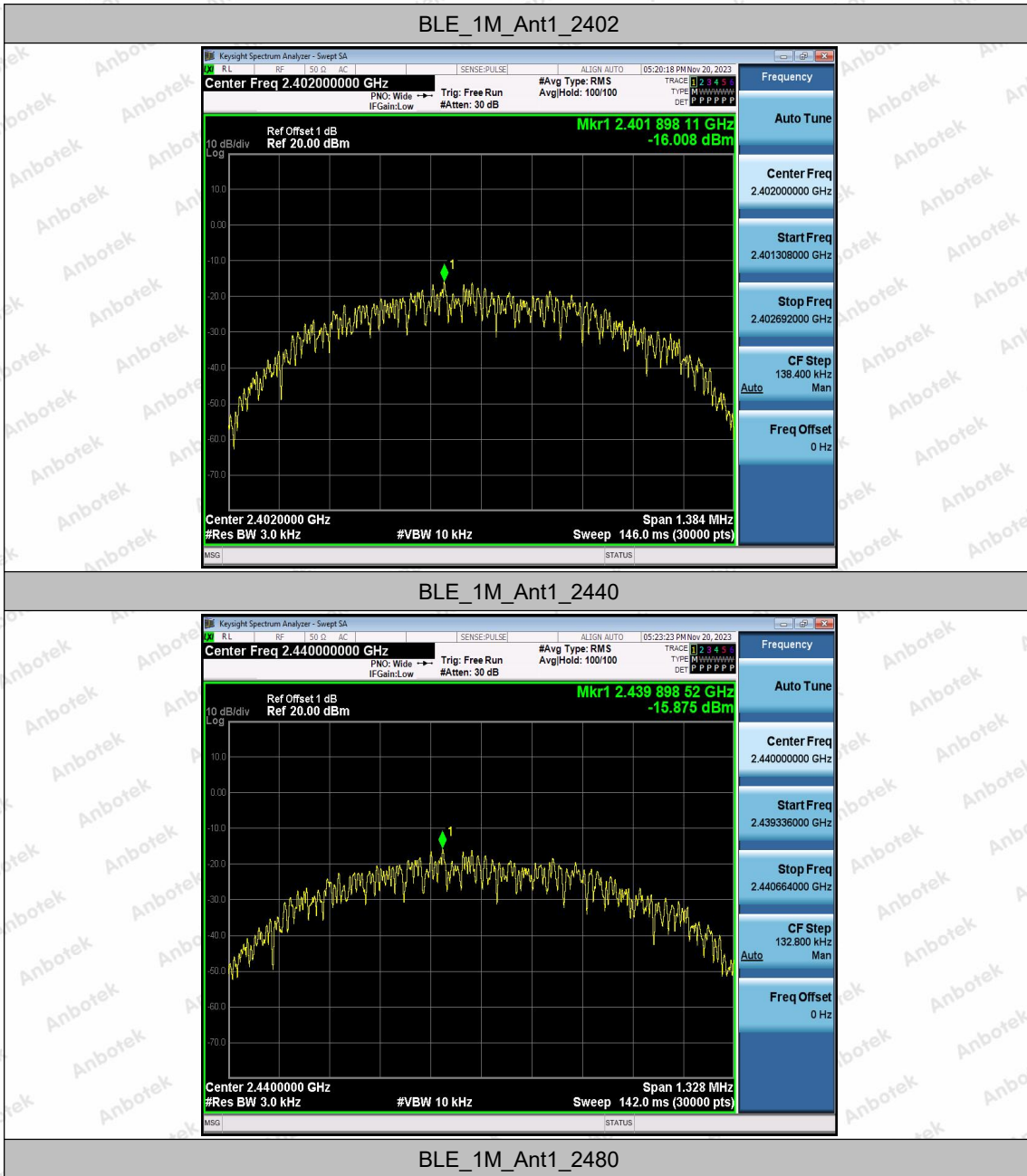
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-16.01	≤8.00	PASS
		2440	-15.88	≤8.00	PASS
		2480	-16.36	≤8.00	PASS



Test Graphs



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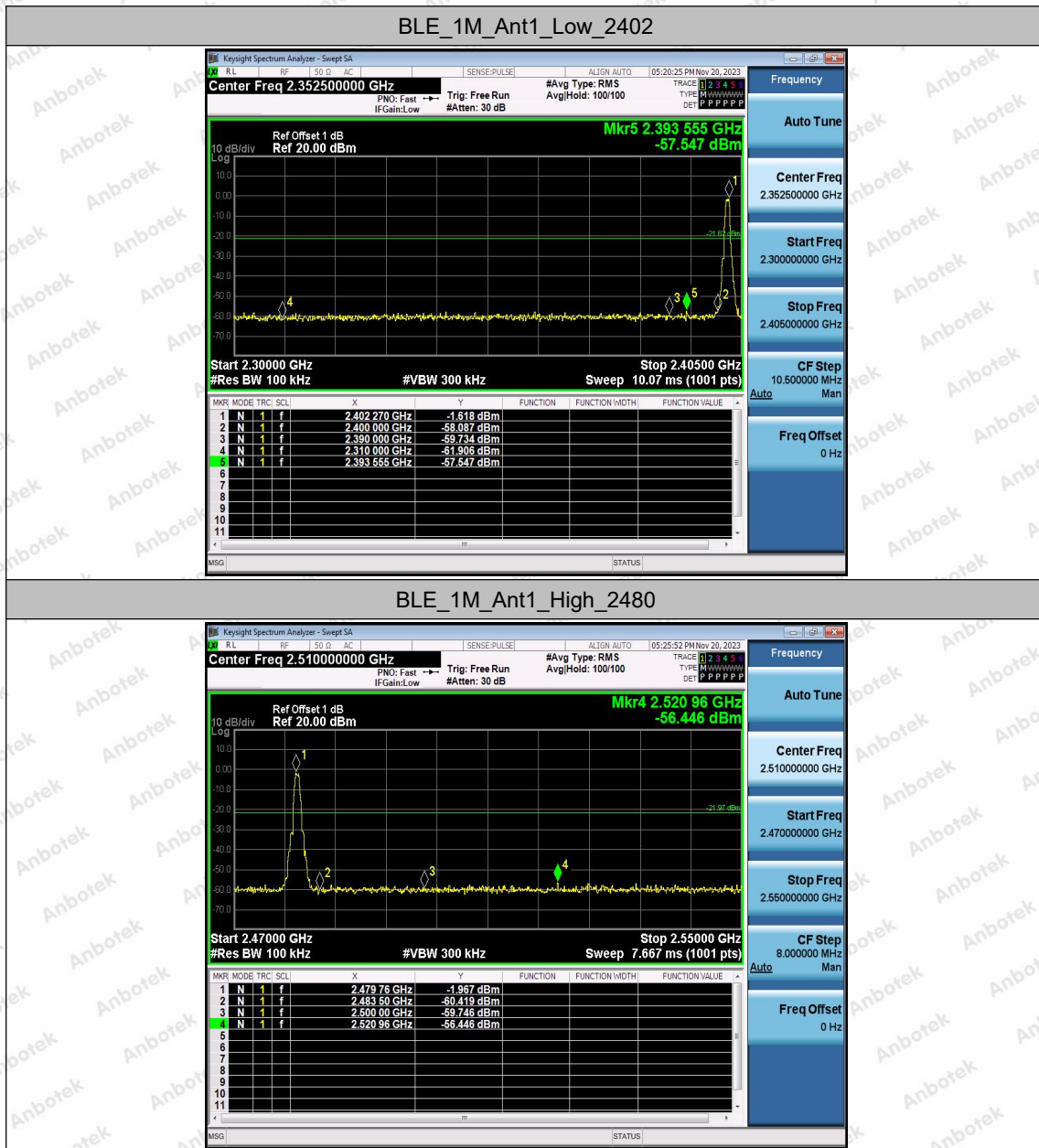


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.62	-57.55	≤-21.62	PASS
		High	2480	-1.97	-56.45	≤-21.97	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	-1.84	-1.84	---	PASS
			30~1000	-1.84	-69.06	≤-21.84	PASS
			1000~26500	-1.84	-58.50	≤-21.84	PASS
		2440	Reference	-1.71	-1.71	---	PASS
			30~1000	-1.71	-68.52	≤-21.71	PASS
			1000~26500	-1.71	-53.74	≤-21.71	PASS
		2480	Reference	-2.13	-2.13	---	PASS
			30~1000	-2.13	-69.14	≤-22.13	PASS
			1000~26500	-2.13	-53.65	≤-22.13	PASS



Test Graphs

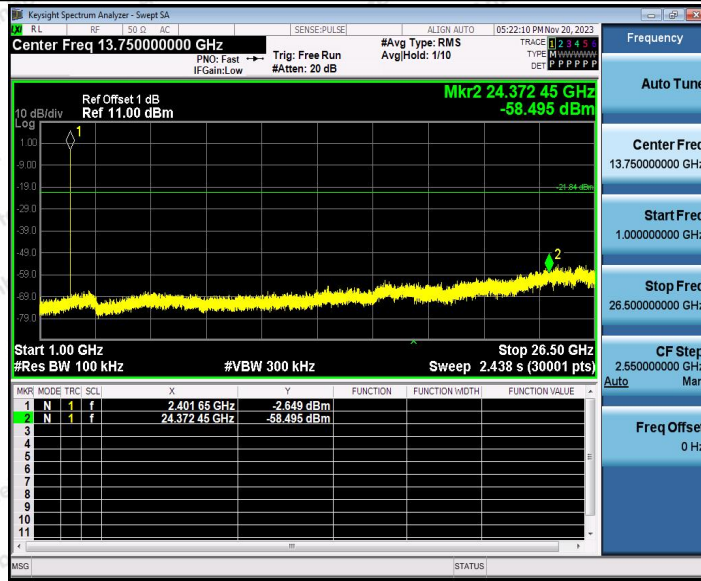


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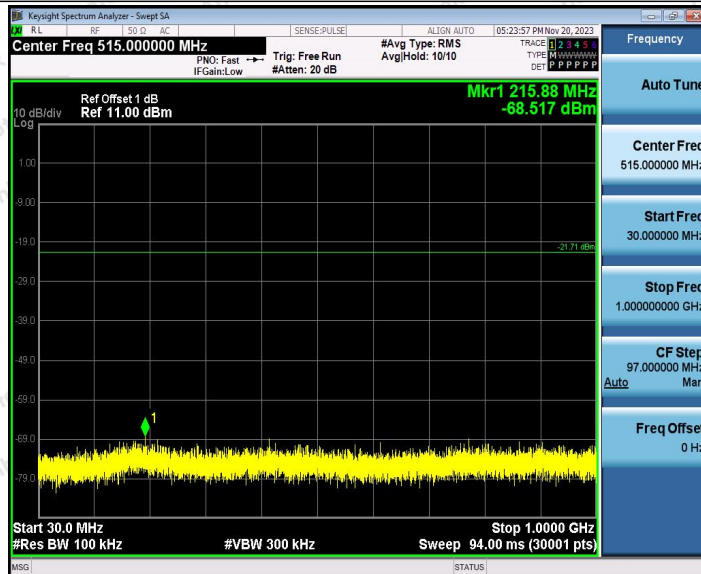




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



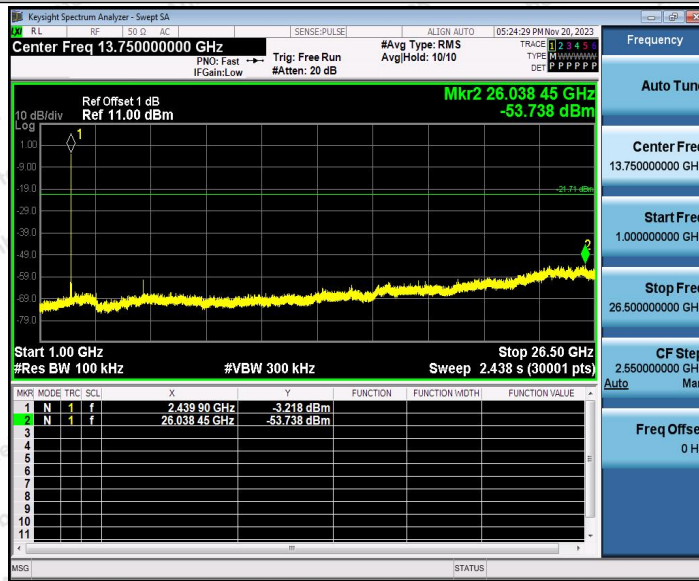
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



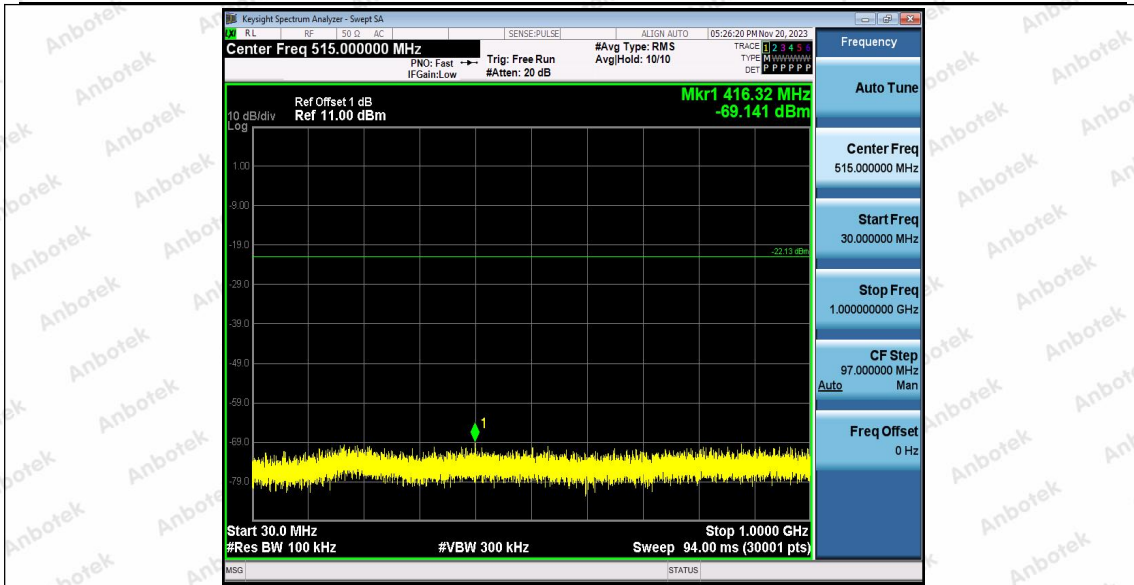
BLE_1M_Ant1_2480_30~1000

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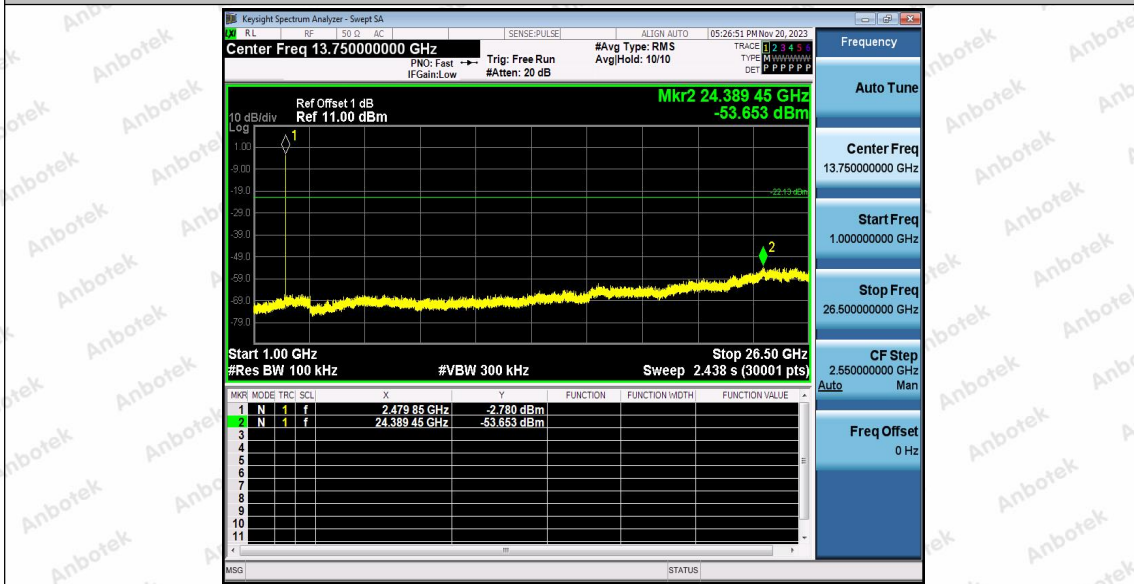
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BLE_1M_Ant1_2480_1000~26500



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Appendix G: Duty Cycle

Test Result

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	0.62	61.29	2.13
		2480	0.38	0.62	61.29	2.13

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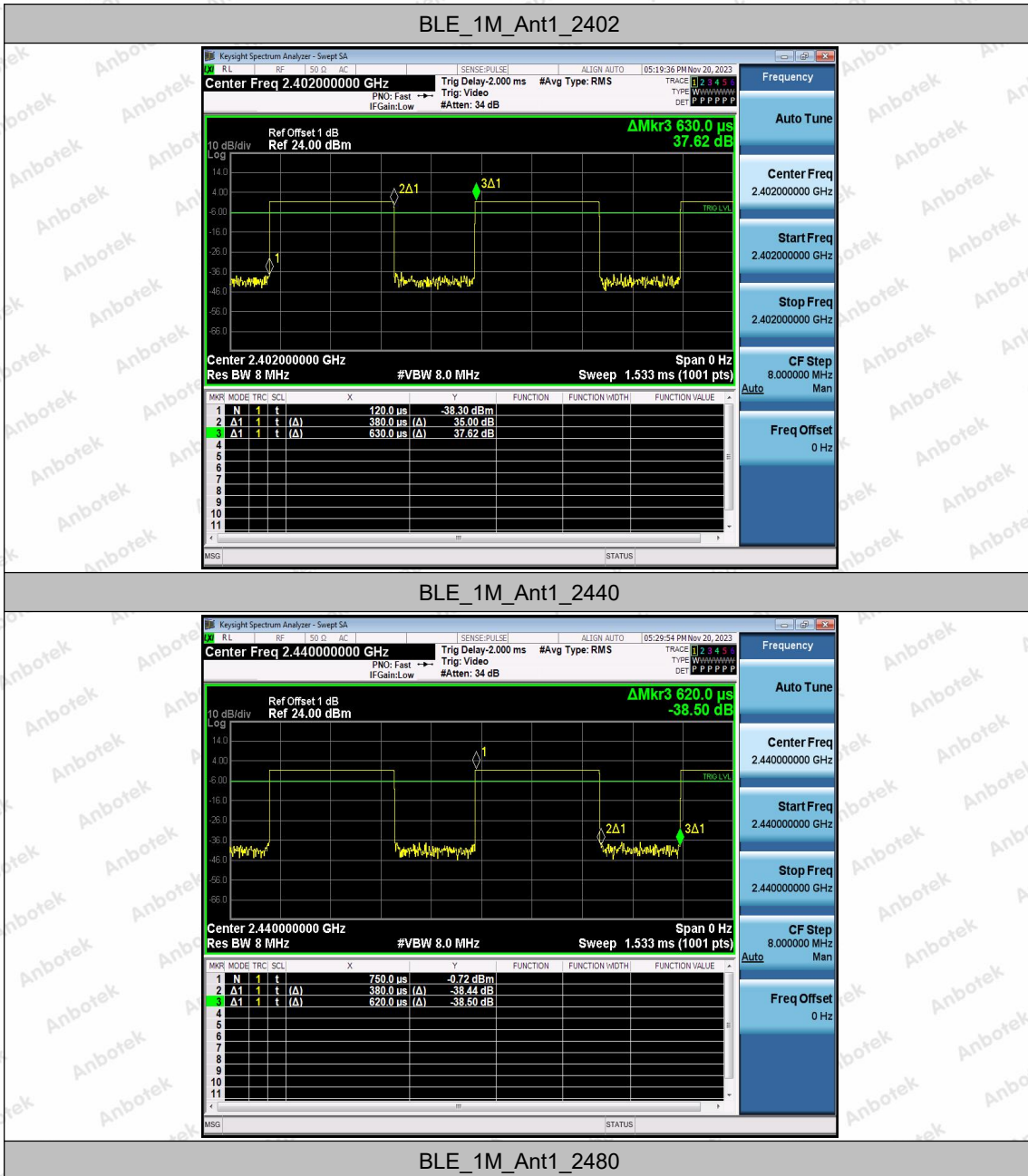
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Test Graphs

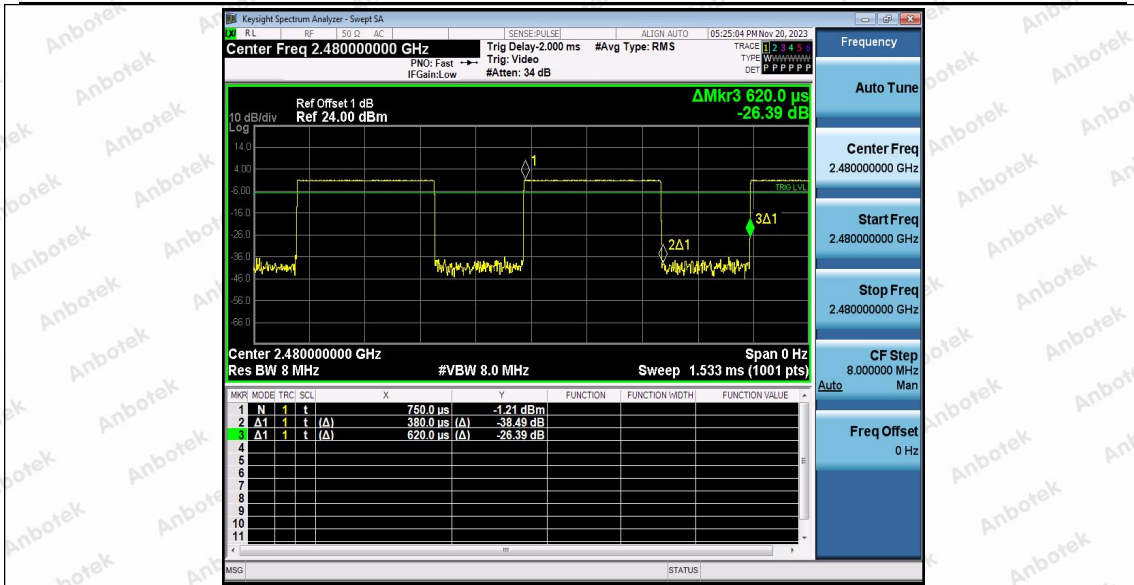


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