

Appendix Test Data

Report No.:	18220WC30004001	Test Sample No.:	1-2-2
Start Test Date:	2023.1.10	Finish Test Date:	2023.1.13
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	Relative Humidity:	47 %
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	0.660	2401.676	2402.336	0.5	PASS
		2440	0.676	2439.664	2440.340	0.5	PASS
		2480	0.676	2479.660	2480.336	0.5	PASS



Test Graphs



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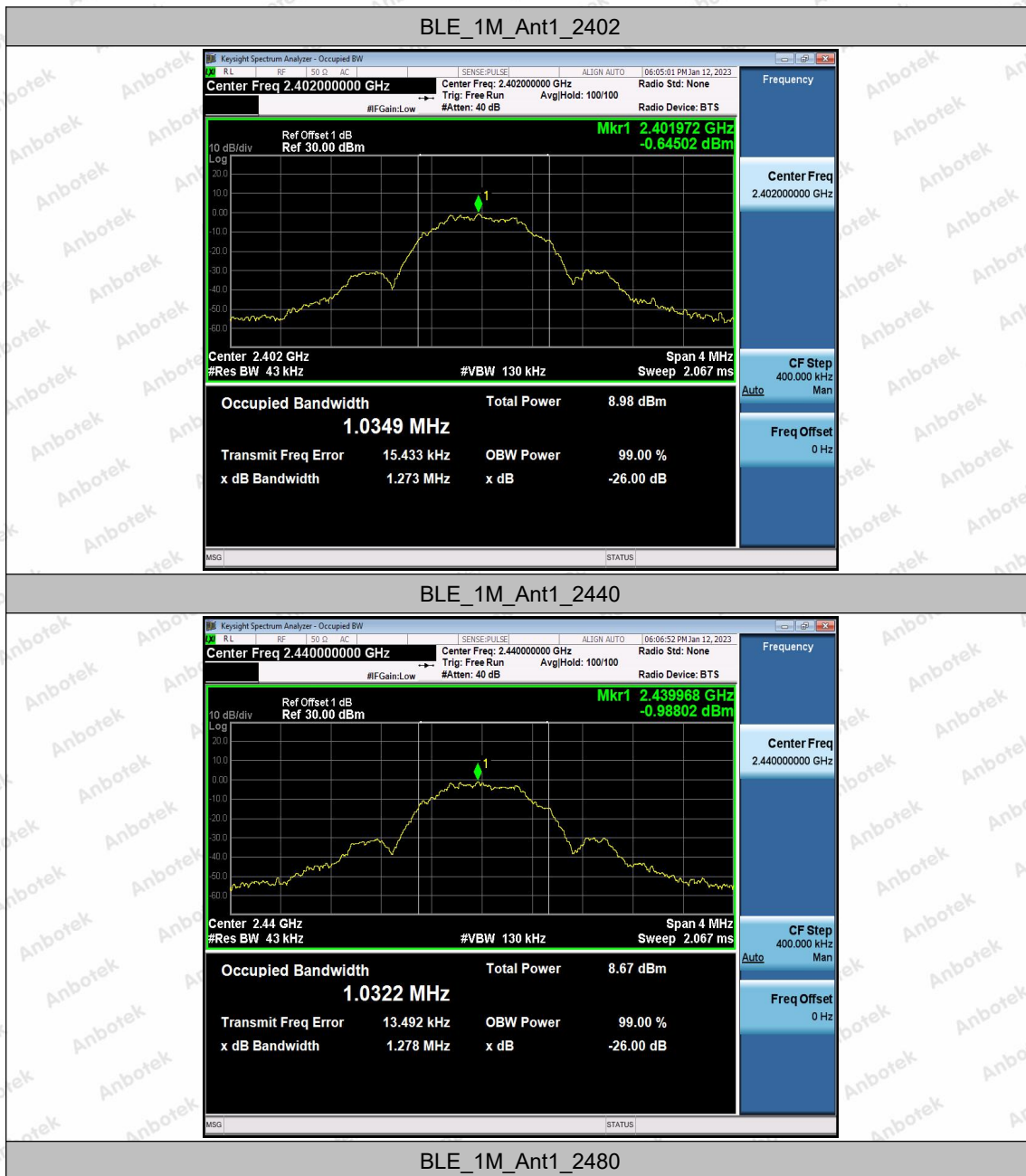
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0349	2401.4980	2402.5329
		2440	1.0322	2439.4974	2440.5296
		2480	1.0200	2479.5042	2480.5242



Test Graphs



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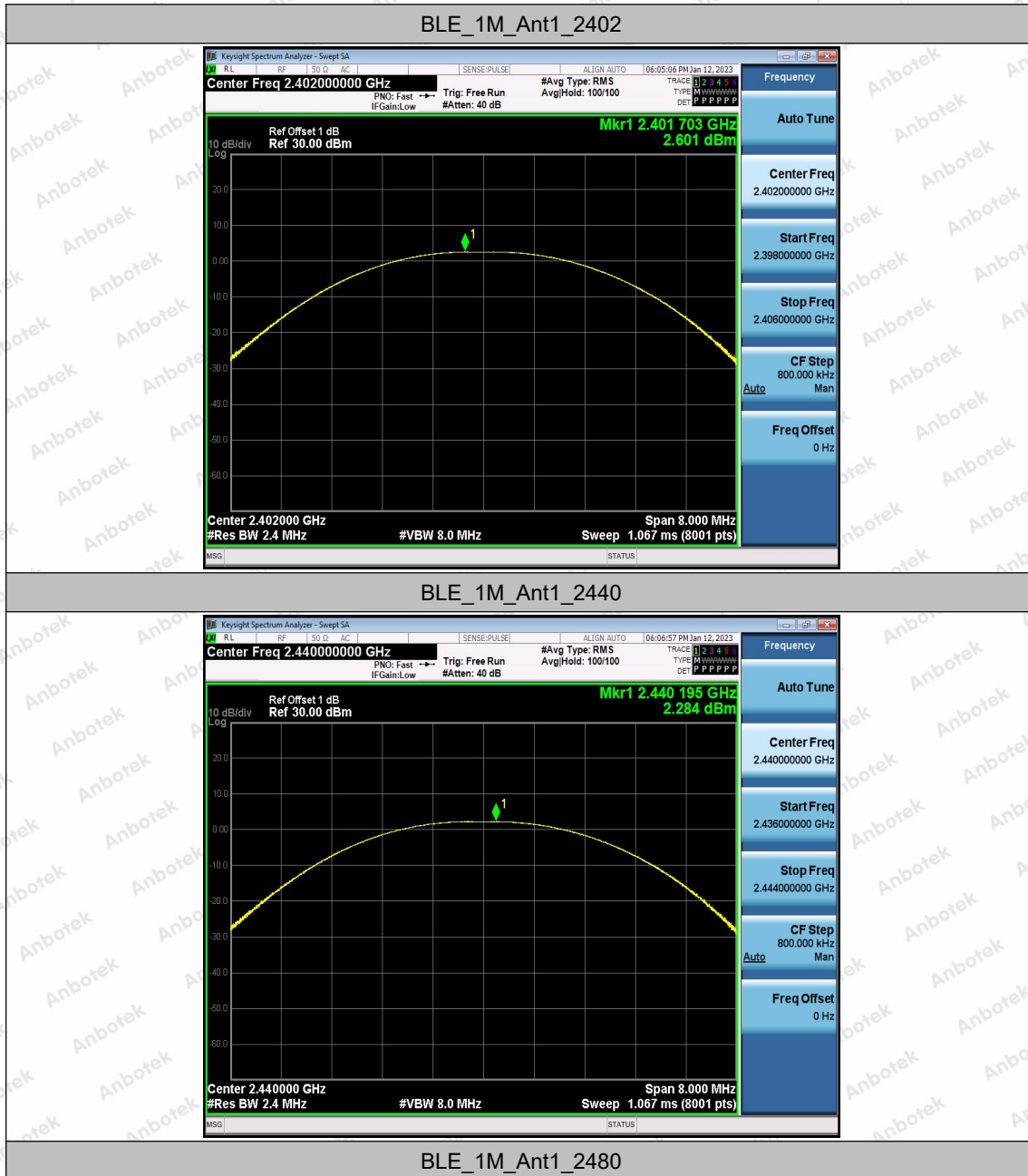
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.60	≤30	PASS
		2440	2.28	≤30	PASS
		2480	1.64	≤30	PASS



Test Graphs Peak



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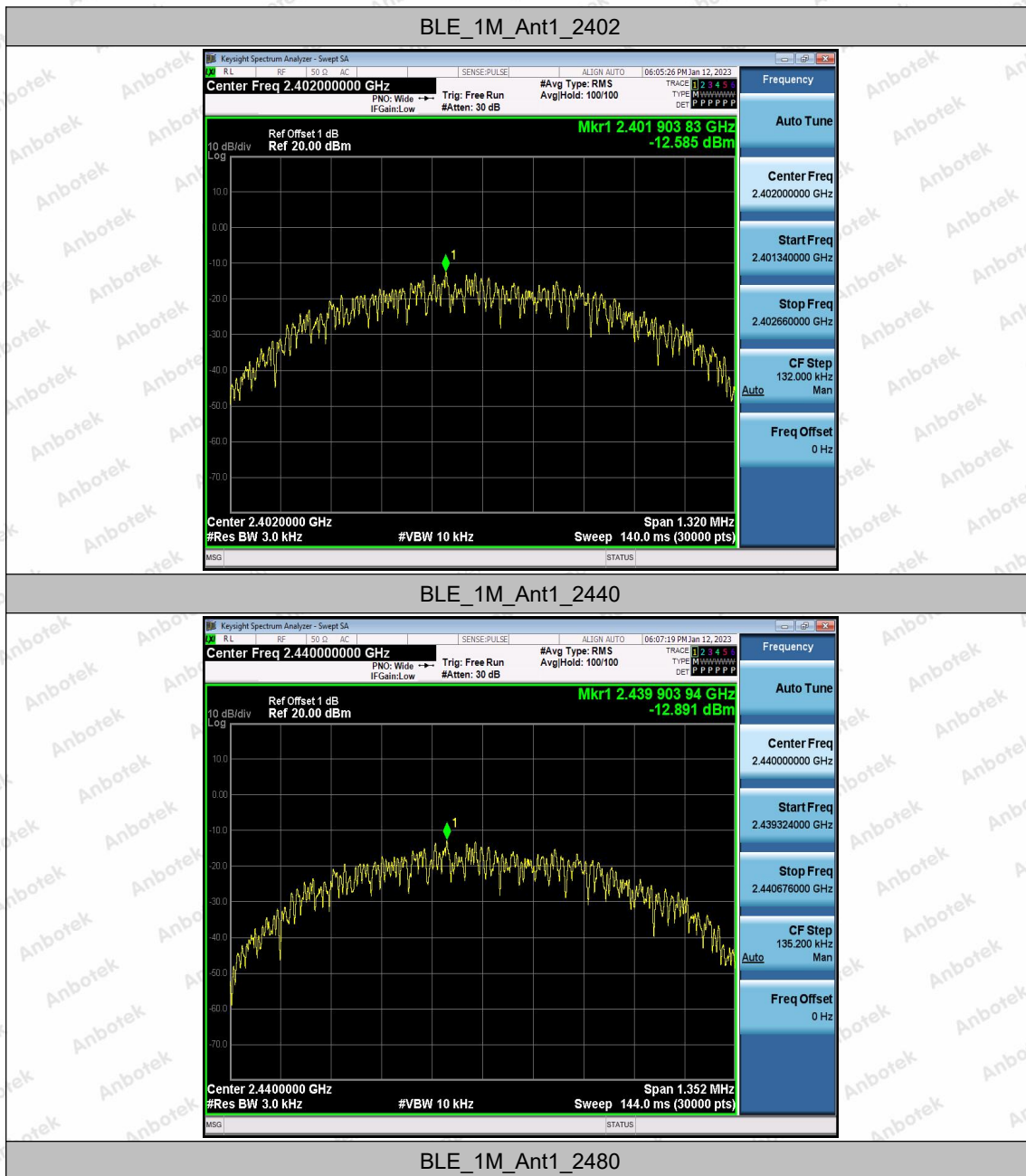
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.59	≤8.00	PASS
		2440	-12.89	≤8.00	PASS
		2480	-13.51	≤8.00	PASS



Test Graphs



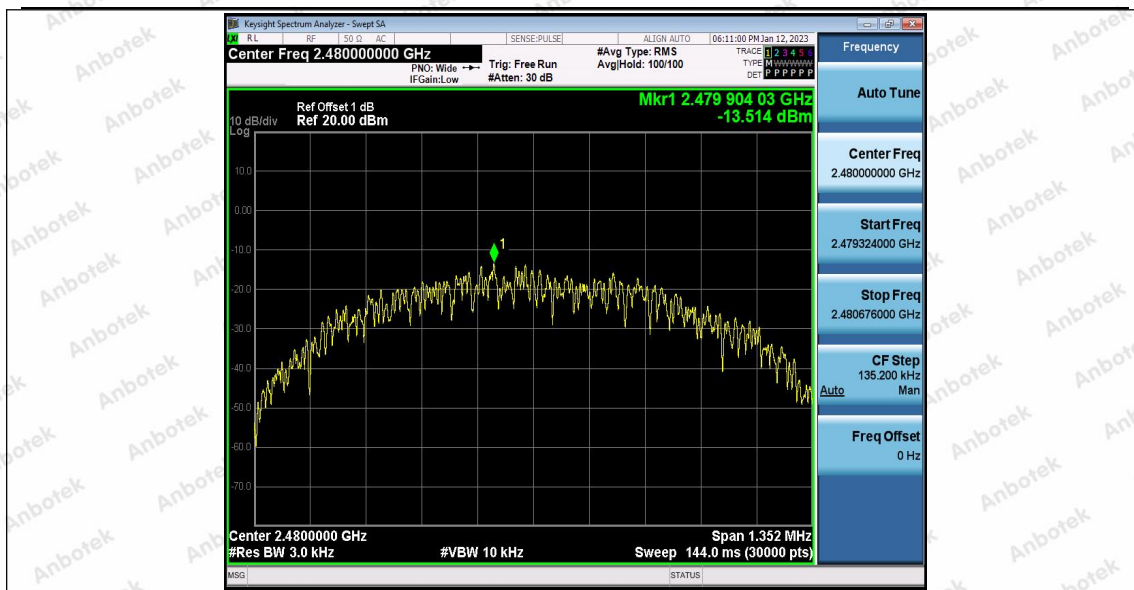
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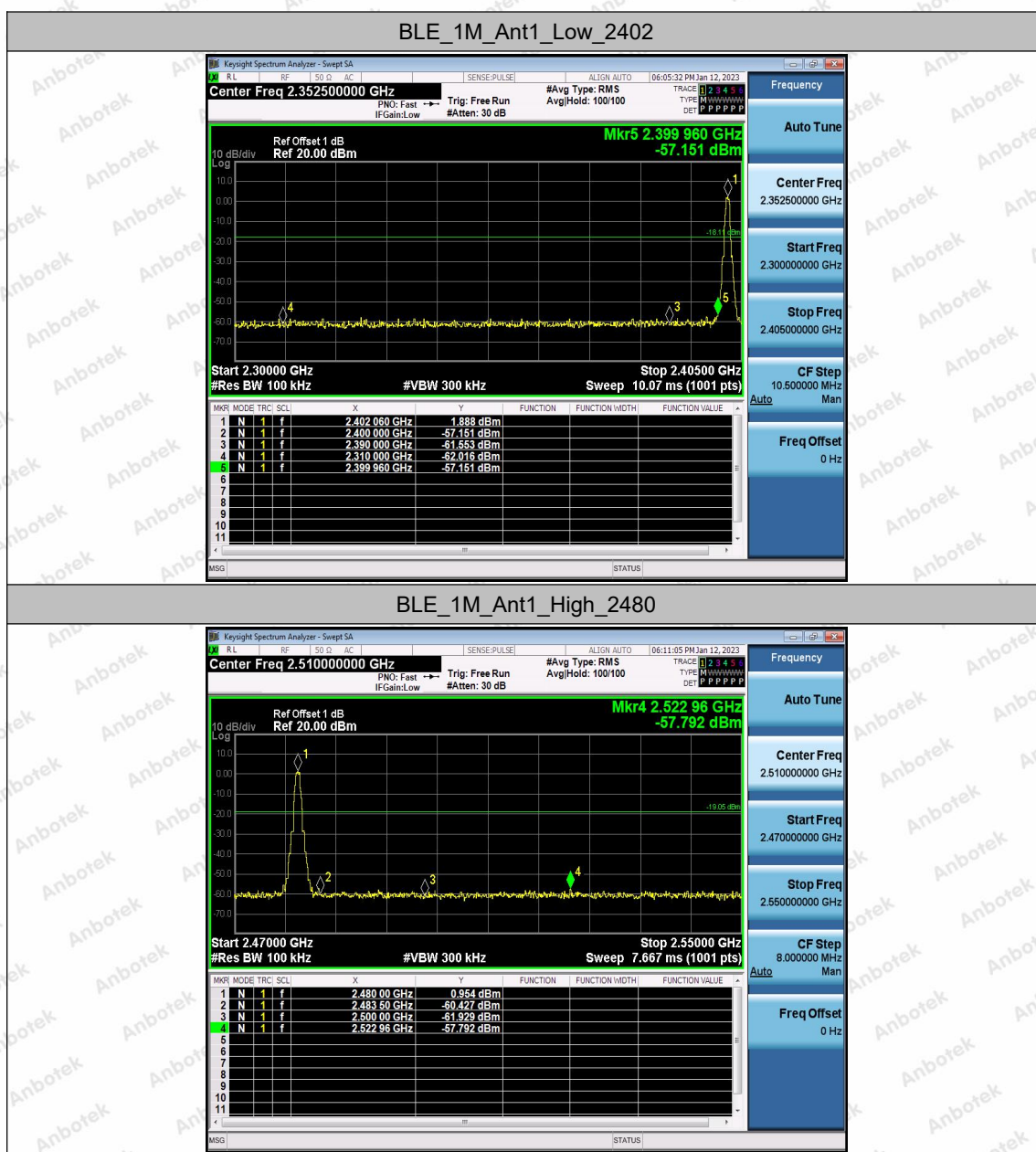


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.89	-57.15	≤-18.11	PASS
		High	2480	0.95	-57.79	≤-19.05	PASS

Test Graphs



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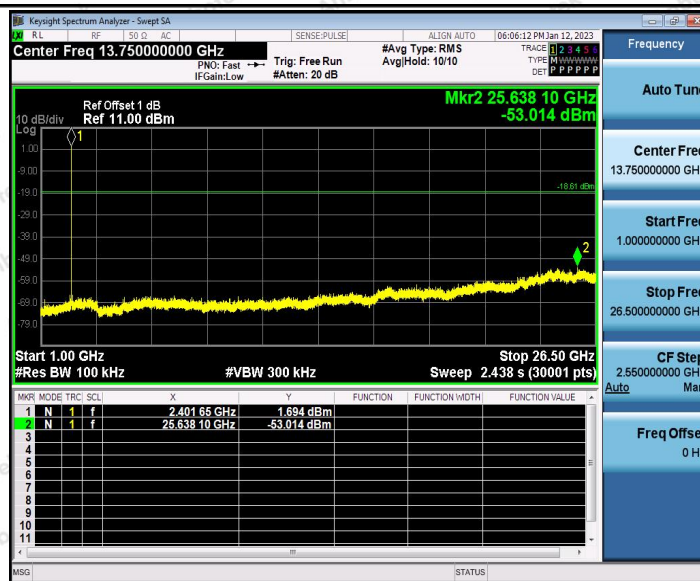
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	1.39	1.39	---	PASS
			30~1000	1.39	-69.19	≤-18.61	PASS
			1000~26500	1.39	-53.01	≤-18.61	PASS
		2440	Reference	1.25	1.25	---	PASS
			30~1000	1.25	-68.92	≤-18.75	PASS
			1000~26500	1.25	-53.52	≤-18.75	PASS
		2480	Reference	0.38	0.38	---	PASS
			30~1000	0.38	-68.65	≤-19.62	PASS
			1000~26500	0.38	-53.13	≤-19.62	PASS





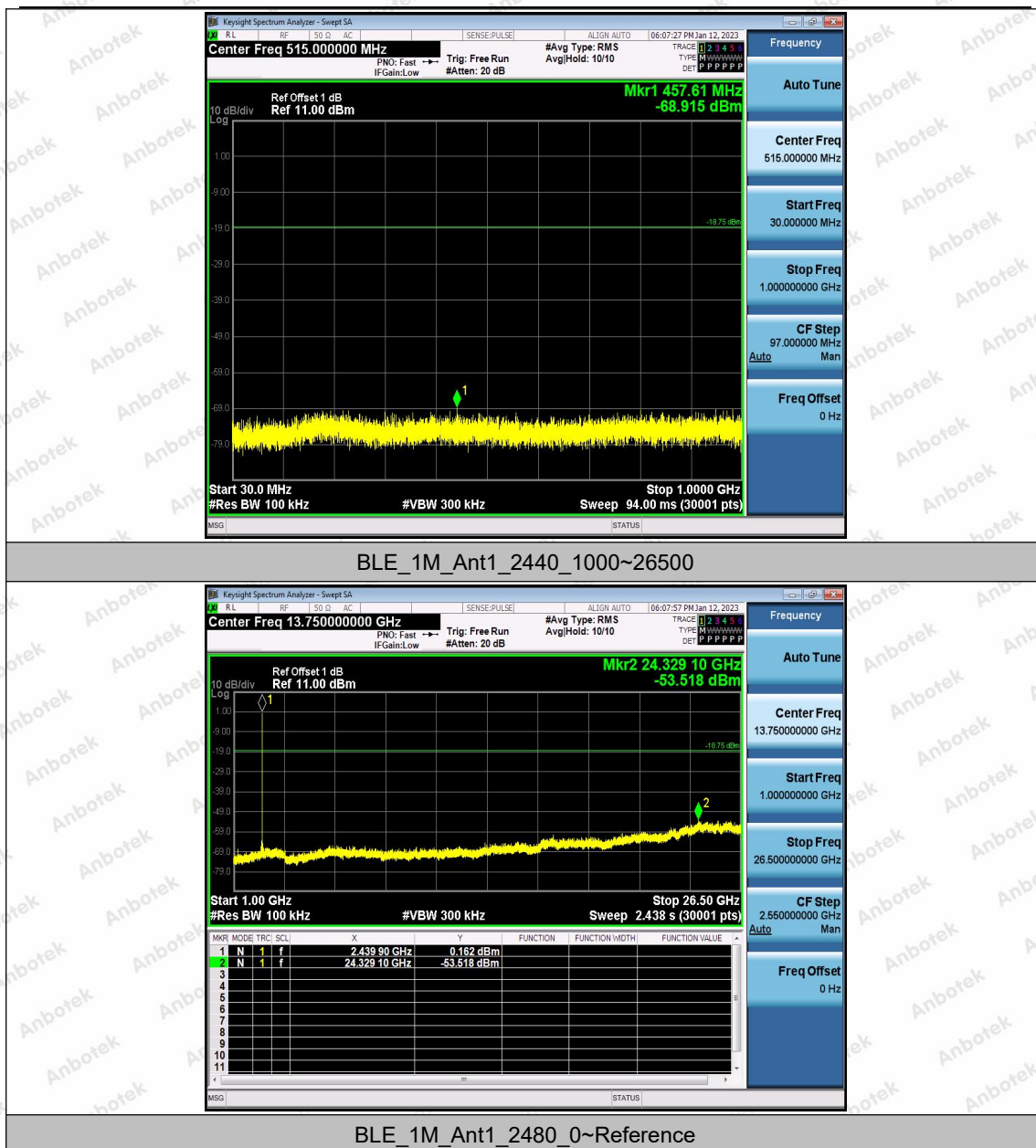


BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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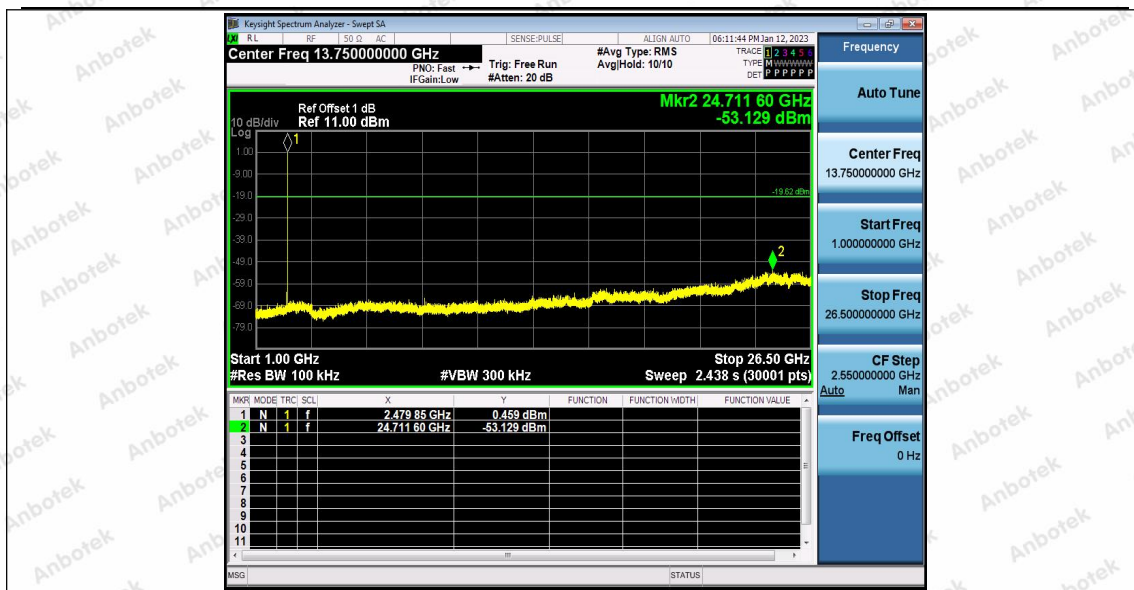
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Appendix G: Duty Cycle

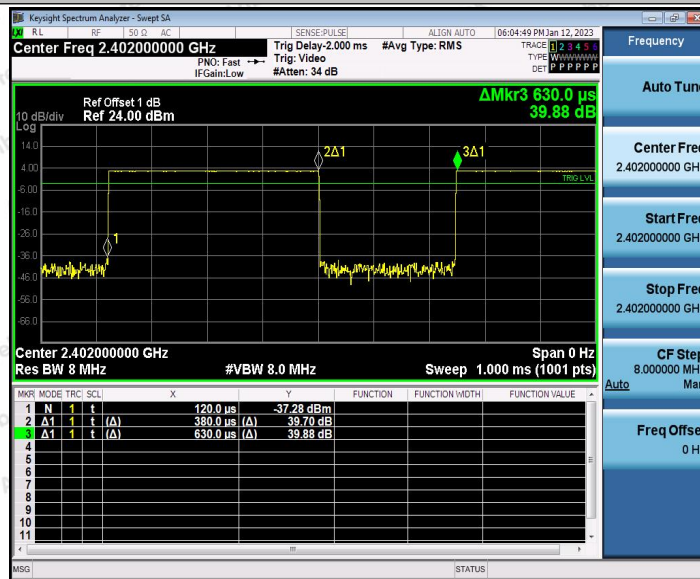
Test Result

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

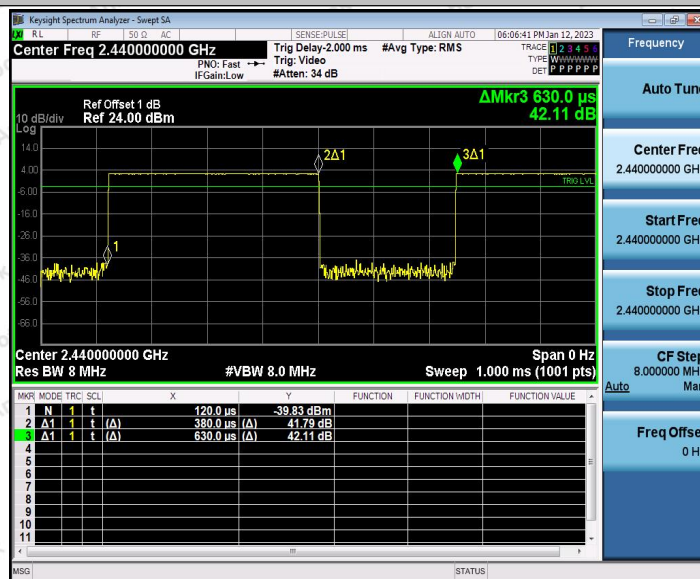


Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

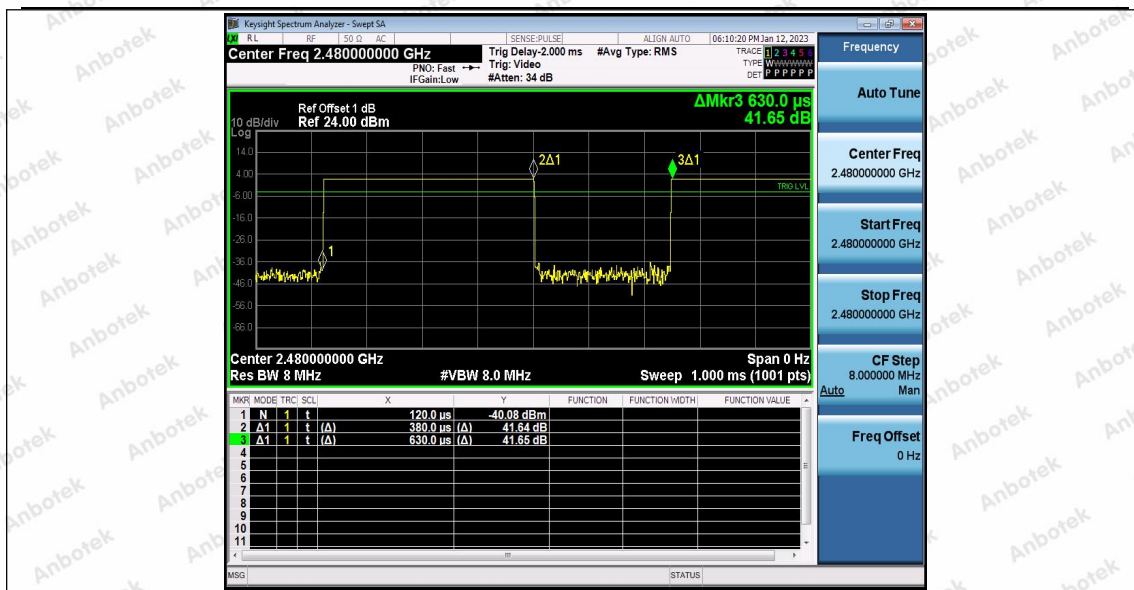
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