

Appendix Test Data

Report No.:	18220WC30125501	Test Sample No.:	1-2-2
Start Test Date:	2023.06.26	Finish Test Date:	2023.06.28
Test Engineer:	RICK Luo	Auditor:	Edward Pan
Temperature:	26.0°C	Relative Humidity:	48%
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	0.636	2401.620	2402.256	0.5	PASS
		2440	0.660	2439.604	2440.264	0.5	PASS
		2480	0.668	2479.596	2480.264	0.5	PASS



Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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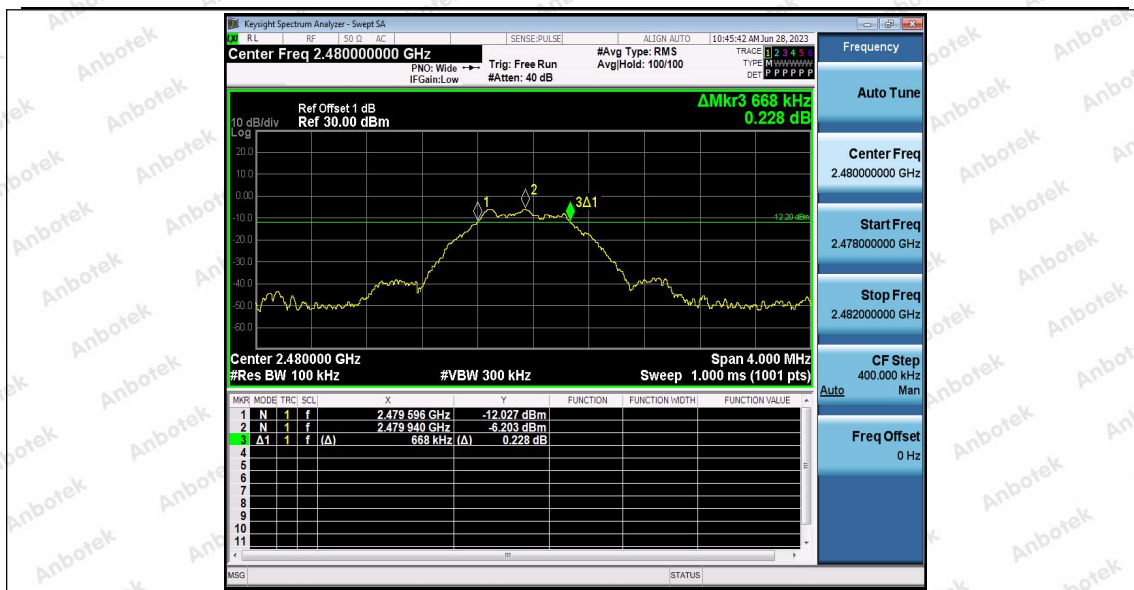


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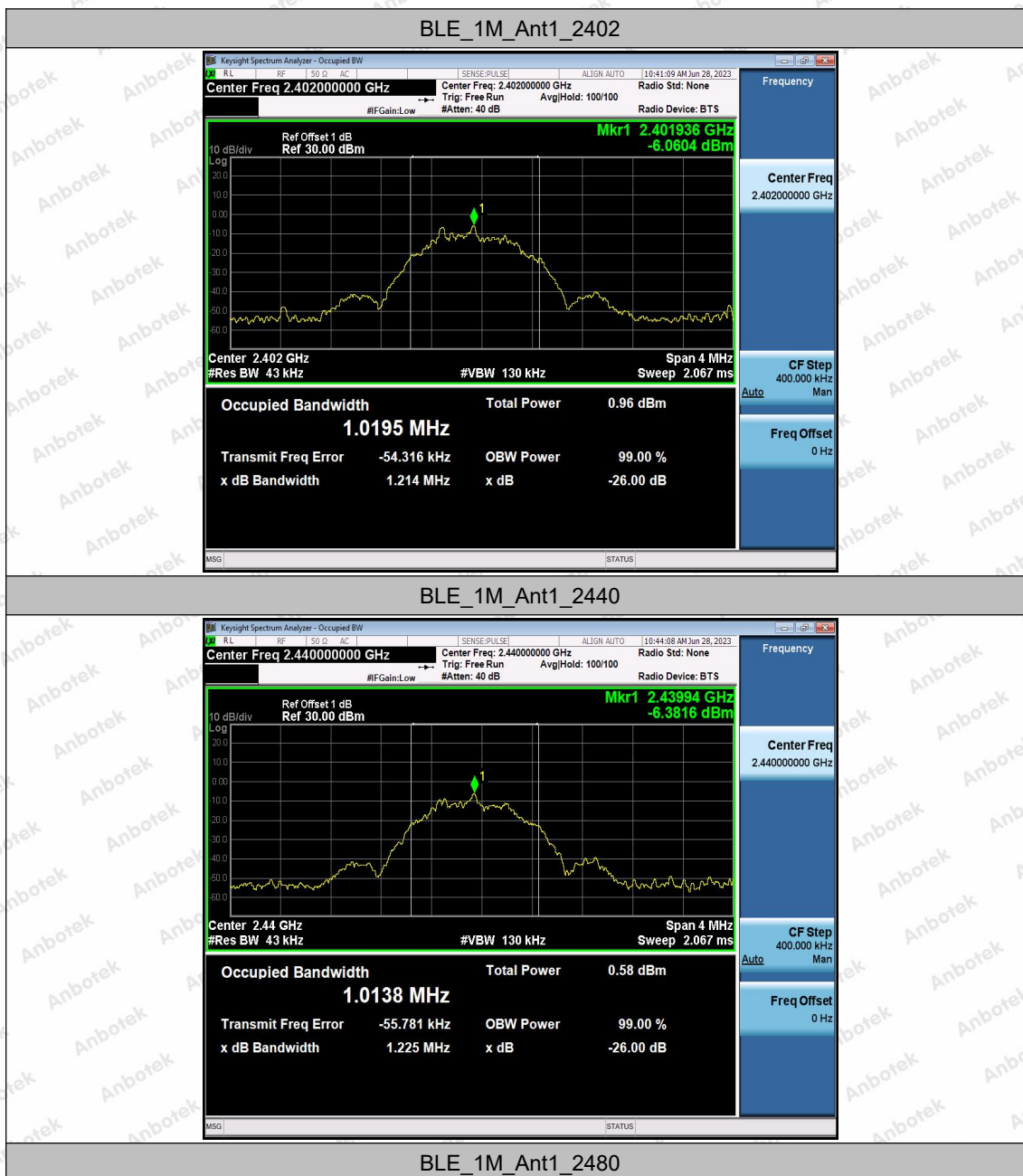
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0195	2401.4359	2402.4554
		2440	1.0138	2439.4373	2440.4511
		2480	1.0184	2479.4321	2480.4505



Test Graphs



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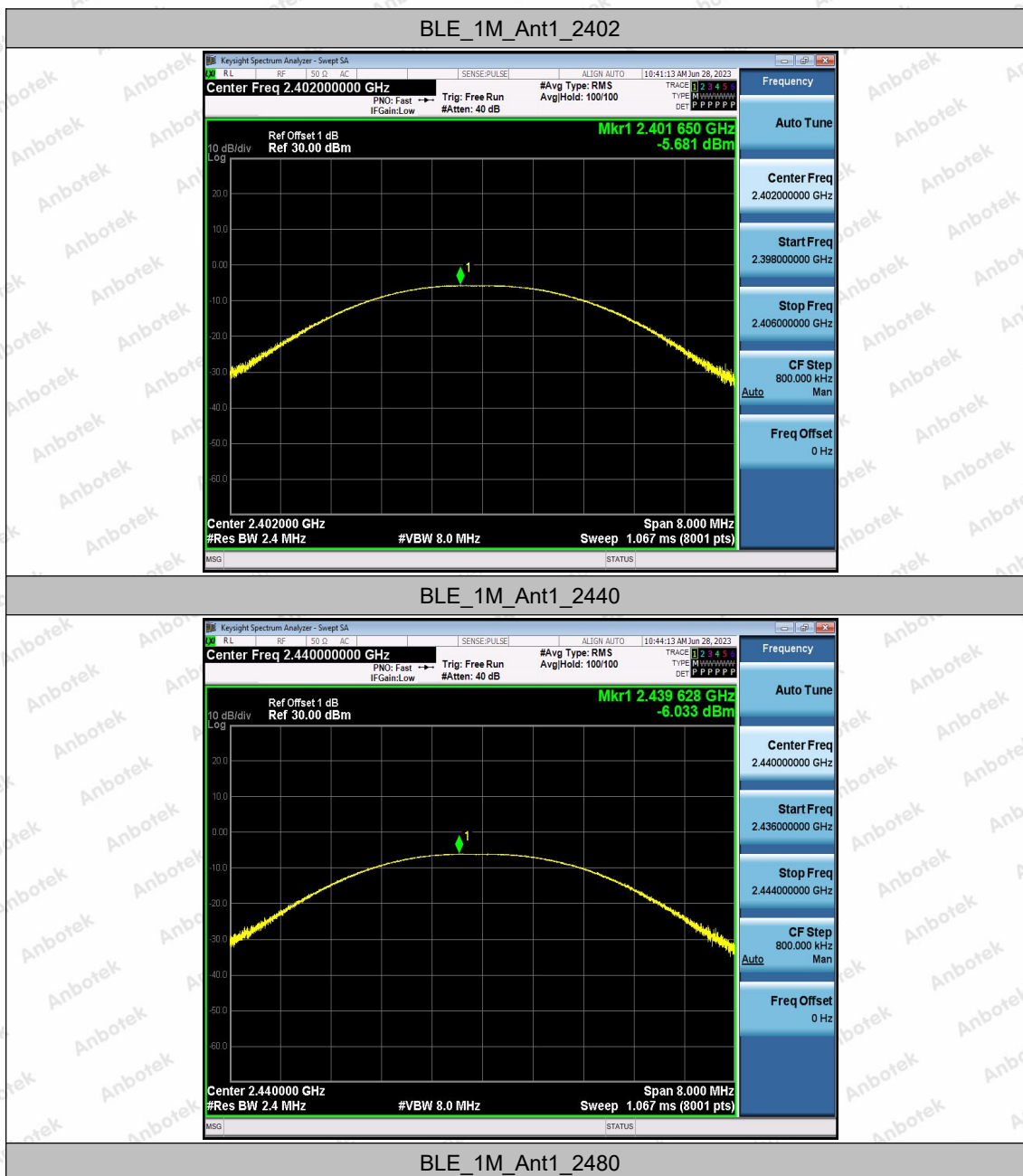
Appendix C: Maximum output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	-5.68	≤30	PASS
		2440	-6.03	≤30	PASS
		2480	-5.93	≤30	PASS



Test Graphs Peak



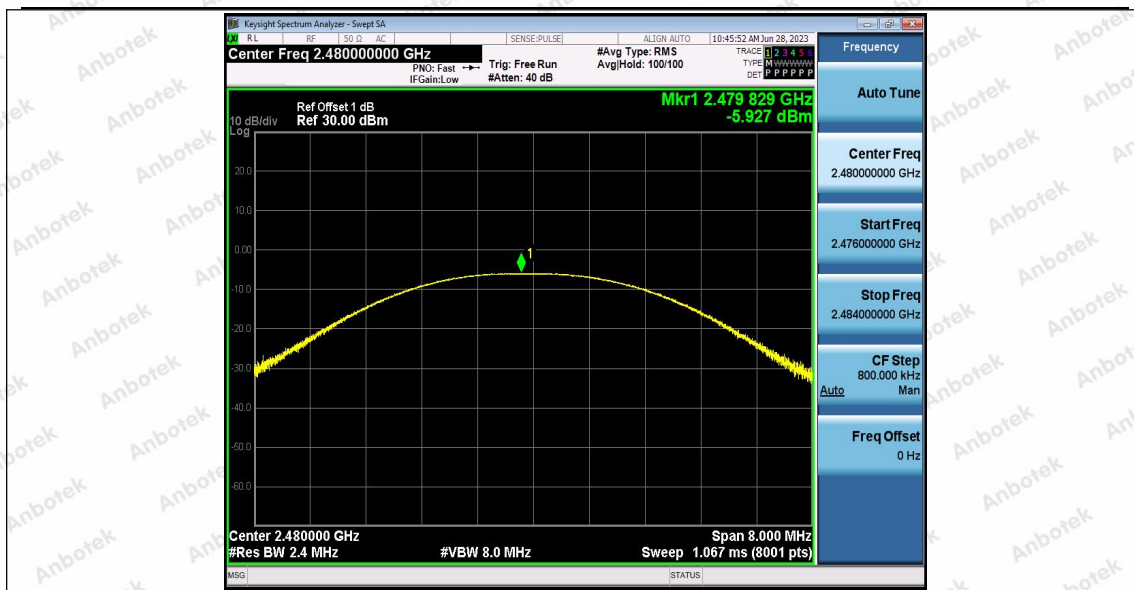
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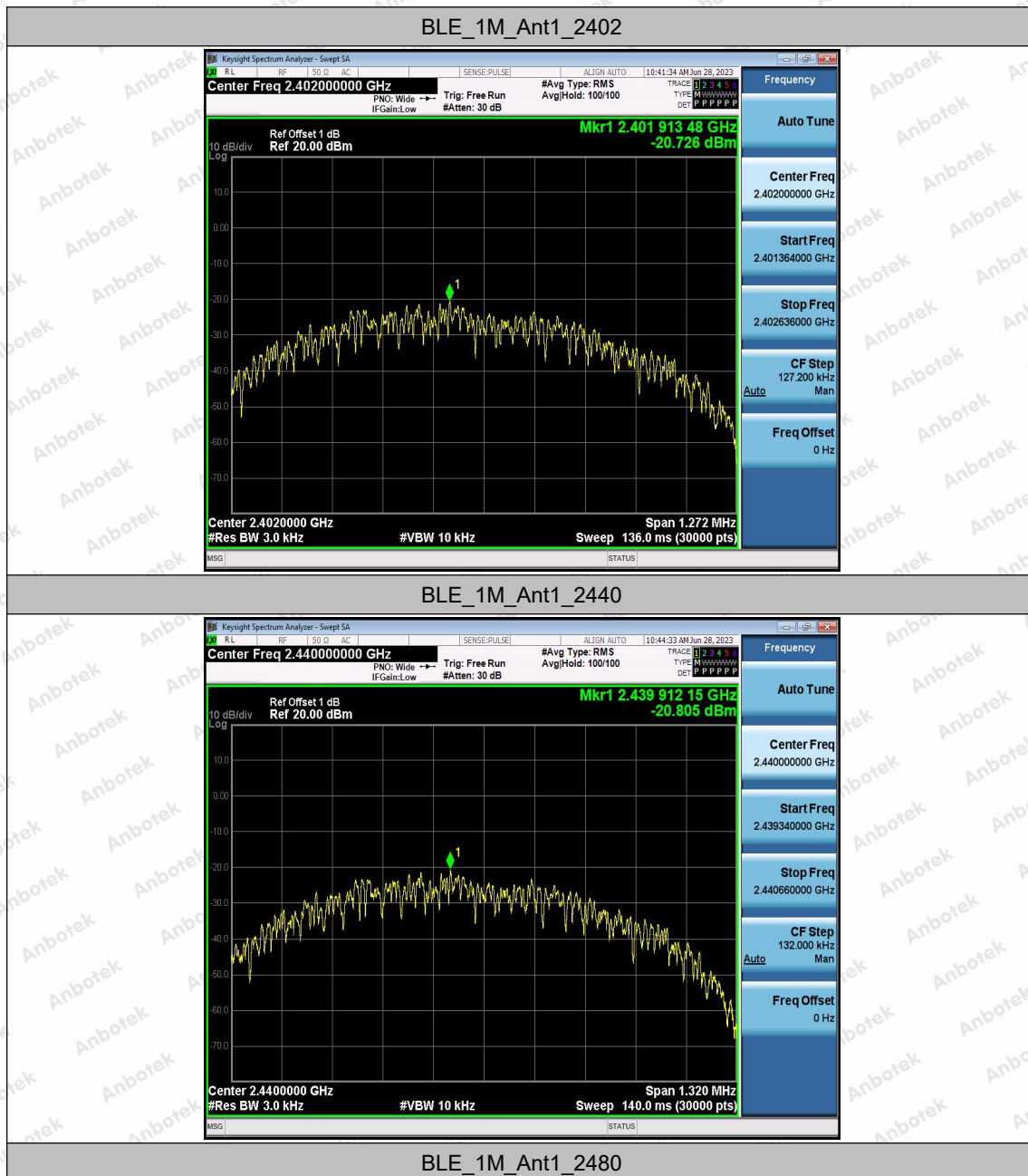
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-20.73	≤8.00	PASS
		2440	-20.81	≤8.00	PASS
		2480	-20.78	≤8.00	PASS



Test Graphs



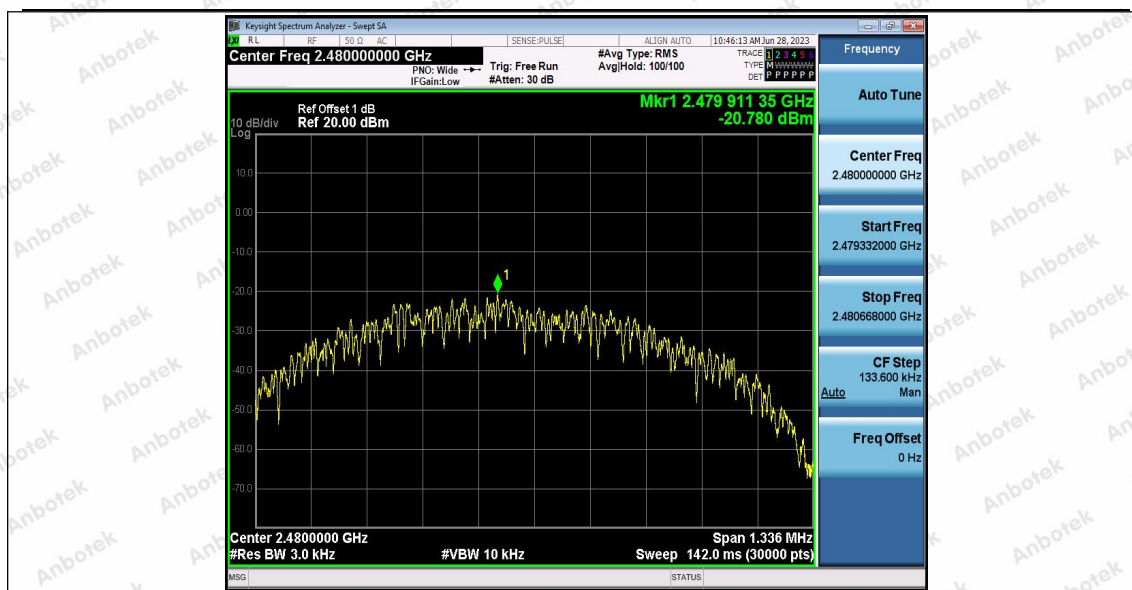
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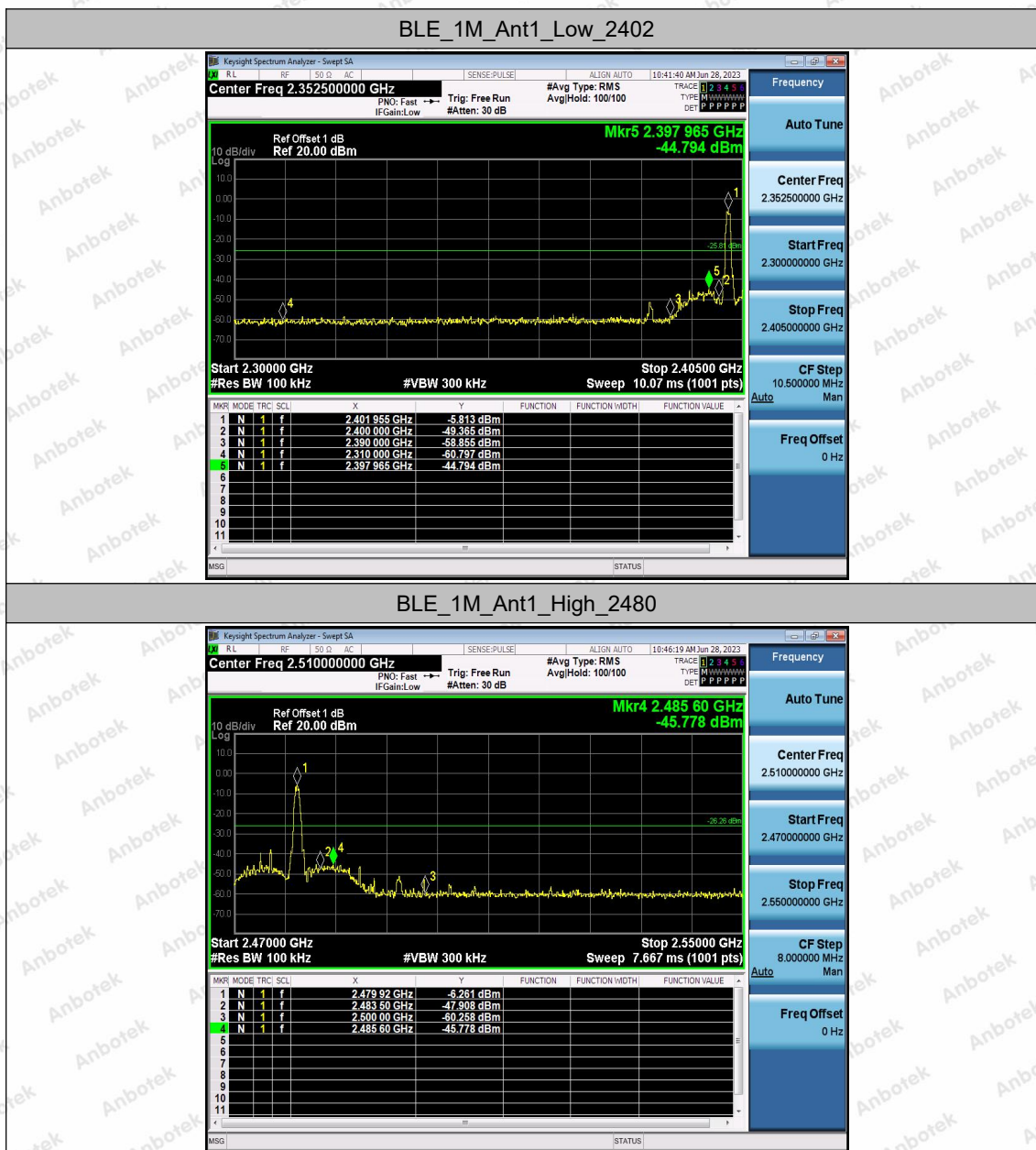
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-5.81	-44.79	≤-25.81	PASS
		High	2480	-6.26	-45.78	≤-26.26	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	-5.87	-5.87	---	PASS
			30~1000	-5.87	-69.43	≤-25.87	PASS
			1000~26500	-5.87	-40.26	≤-25.87	PASS
		2440	Reference	-6.24	-6.24	---	PASS
			30~1000	-6.24	-69.18	≤-26.24	PASS
			1000~26500	-6.24	-45.96	≤-26.24	PASS
		2480	Reference	-6.13	-6.13	---	PASS
			30~1000	-6.13	-69.58	≤-26.13	PASS
			1000~26500	-6.13	-43.73	≤-26.13	PASS

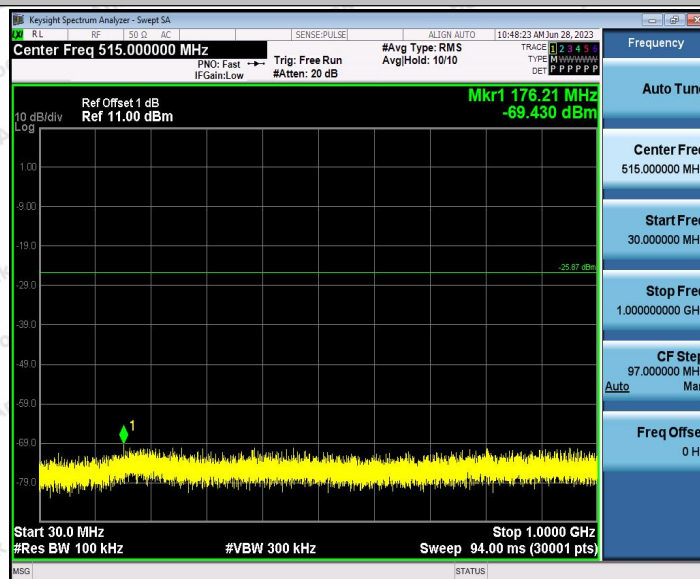


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

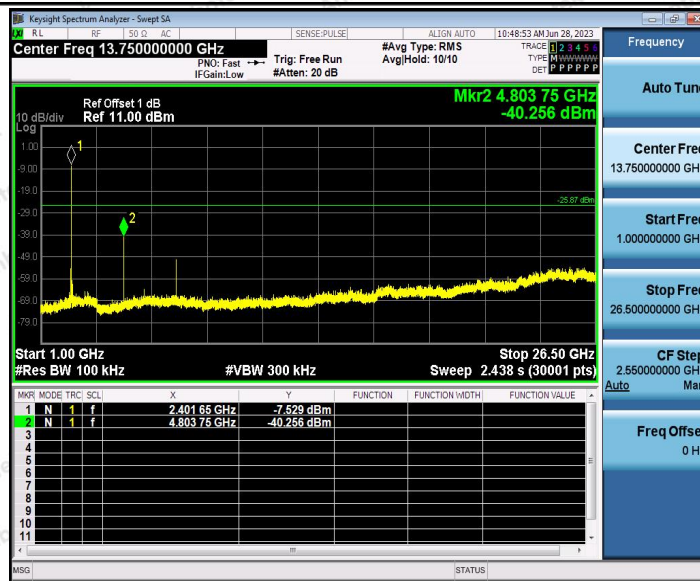
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000

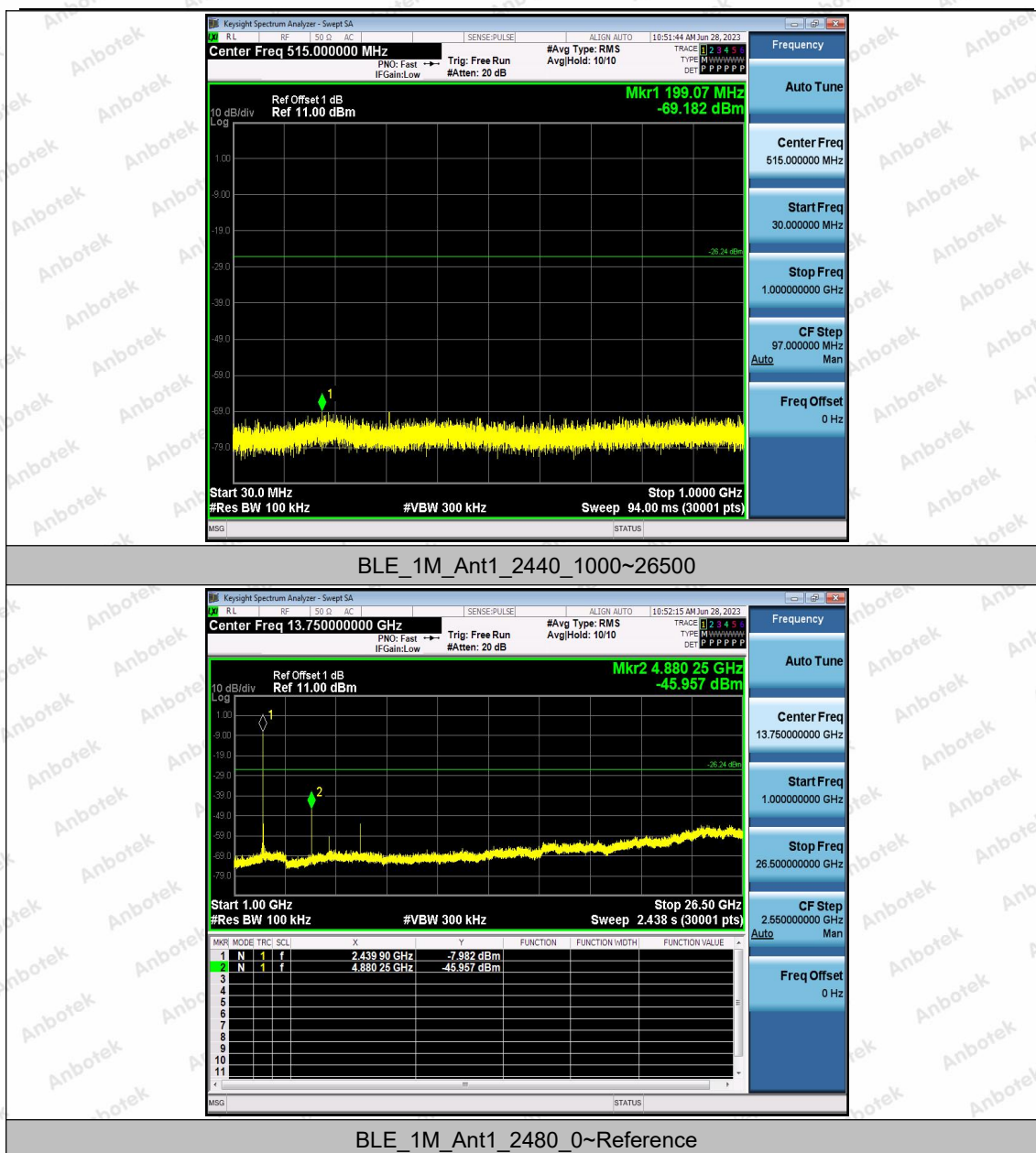
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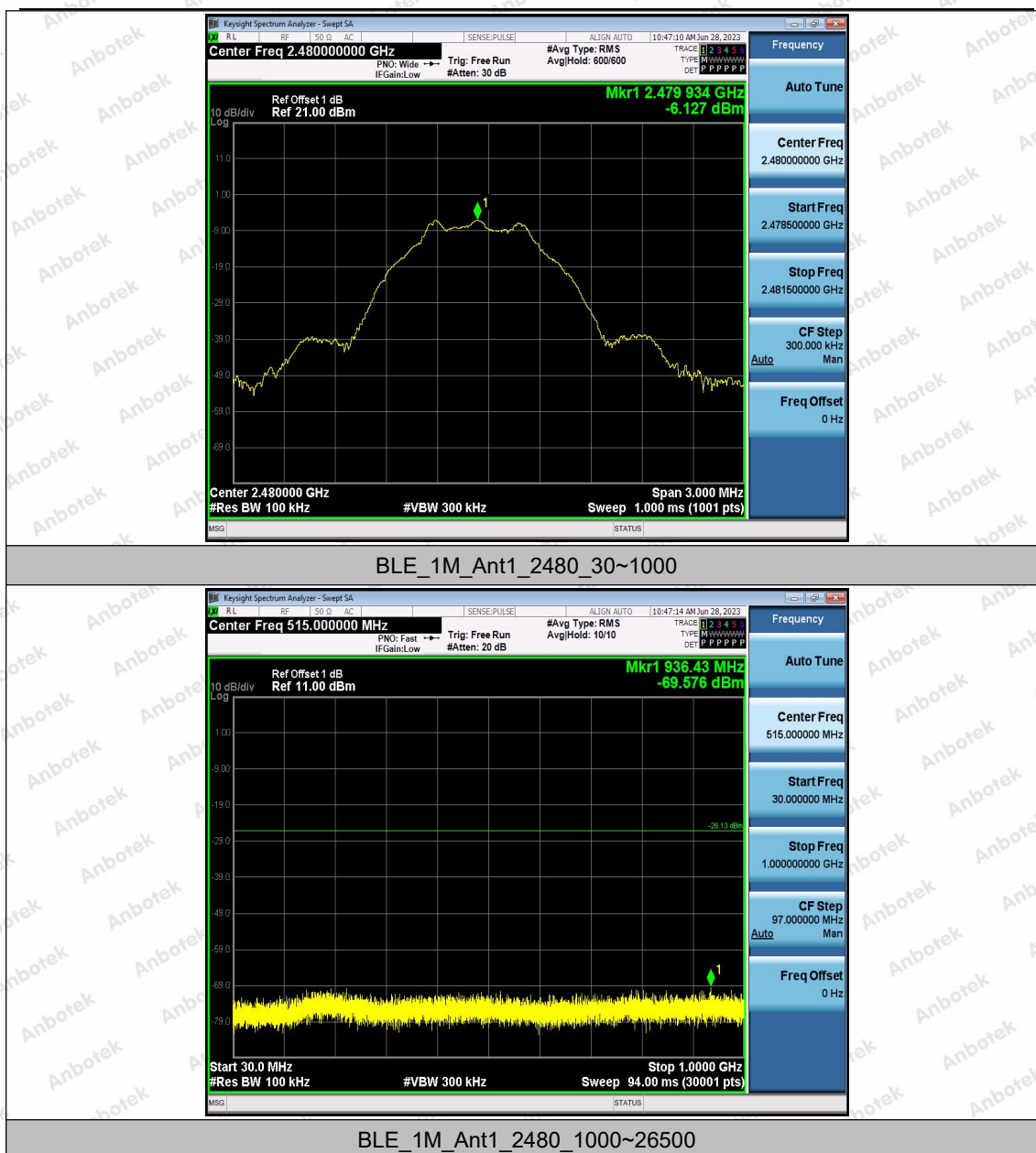
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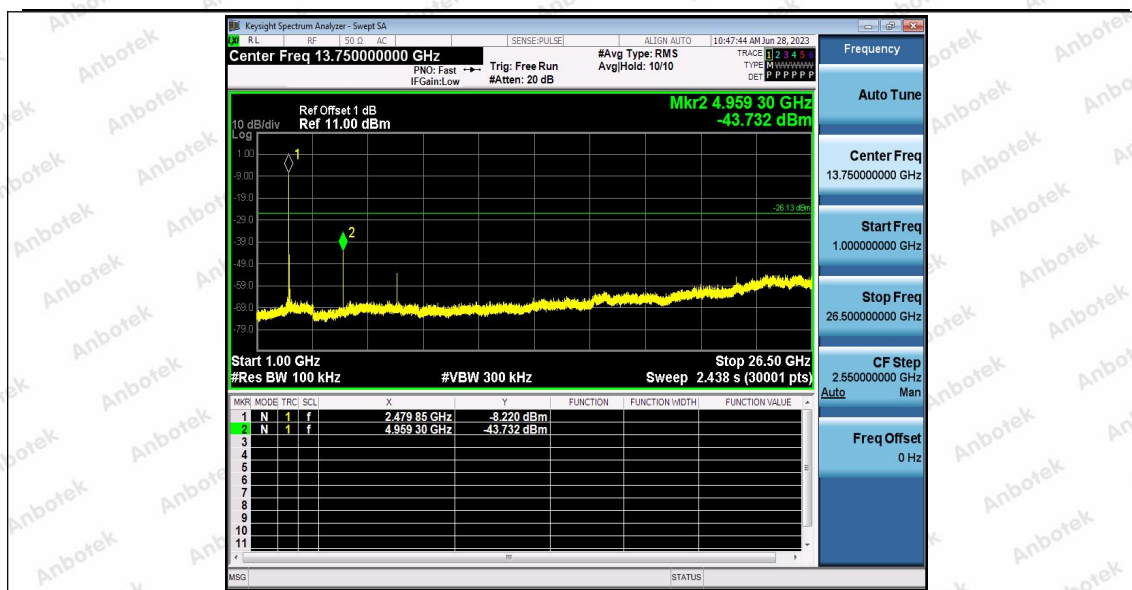
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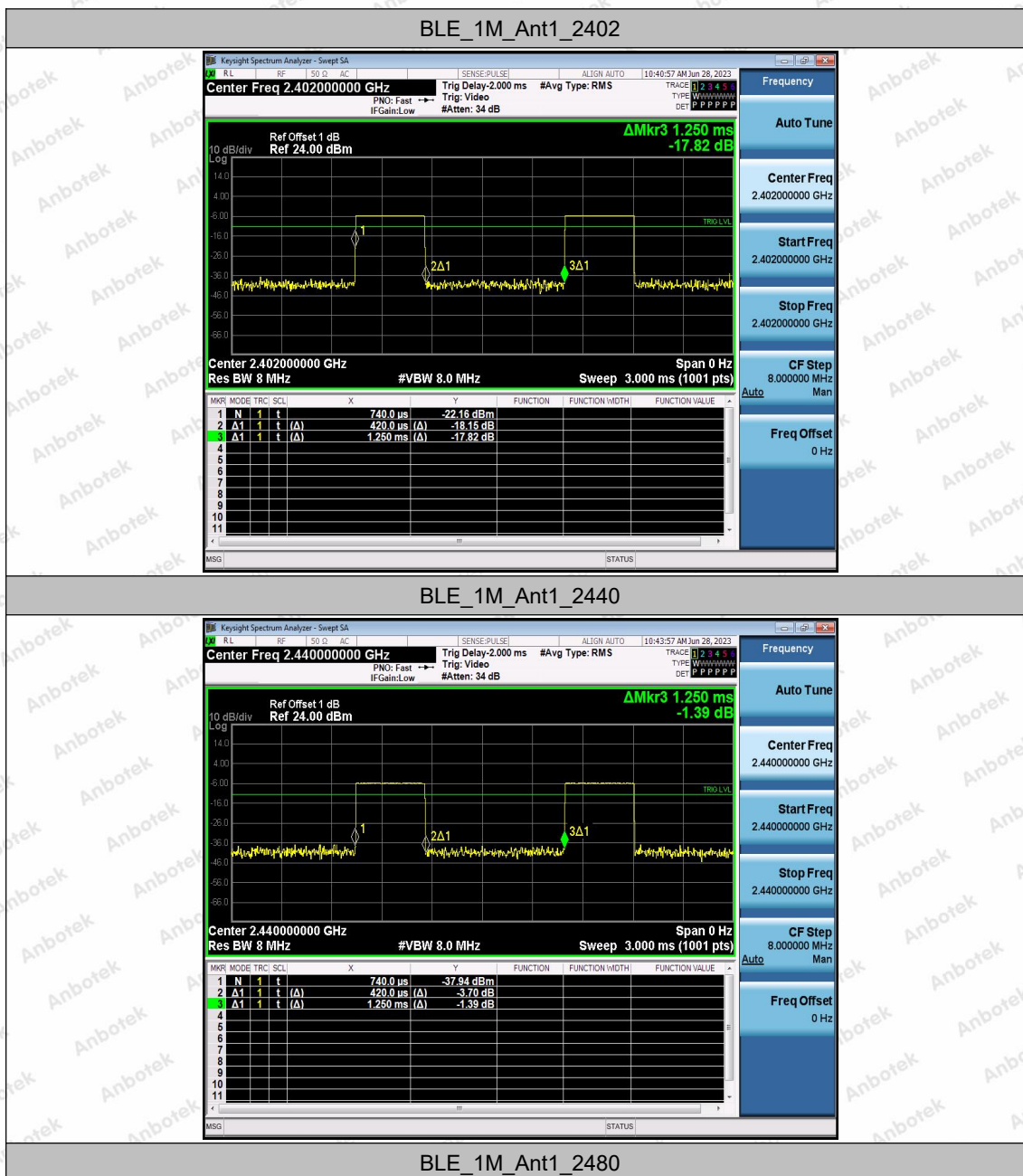
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.42	1.25	33.60	4.74
		2440	0.42	1.25	33.60	4.74
		2480	0.42	1.26	33.33	4.77



Test Graphs



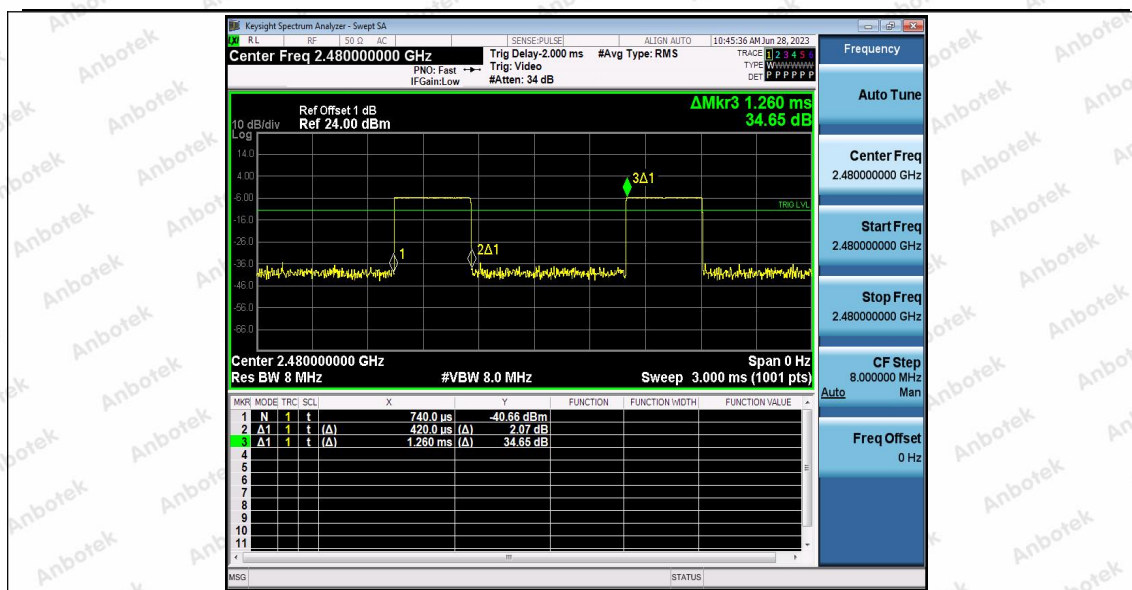
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