

Appendix Test Data

Report No.:	182512C400025101	Test Sample No.:	1-2-2
Start Test Date:	2024.05.22	Finish Test Date:	2024.05.23
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	26.1℃	Relative Humidity:	44%
Pressure:	101kPa		

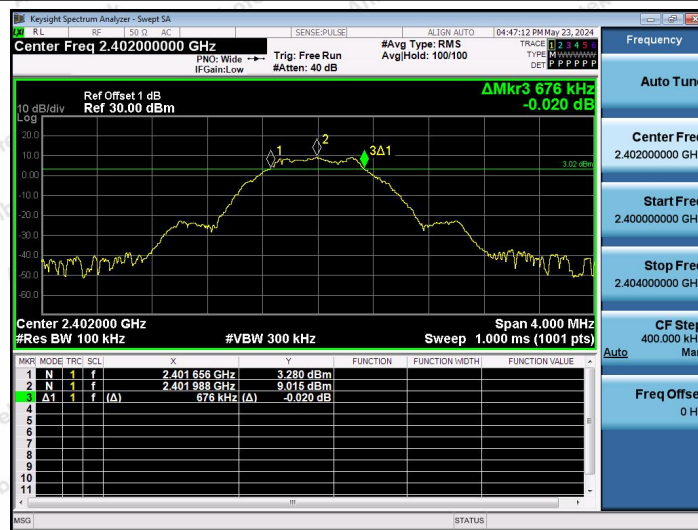
Appendix A: 6dB Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.676	2401.656	2402.332	0.5	PASS
BLE_1M	Ant1	2440	0.688	2439.648	2440.336	0.5	PASS
BLE_1M	Ant1	2480	0.680	2479.652	2480.332	0.5	PASS



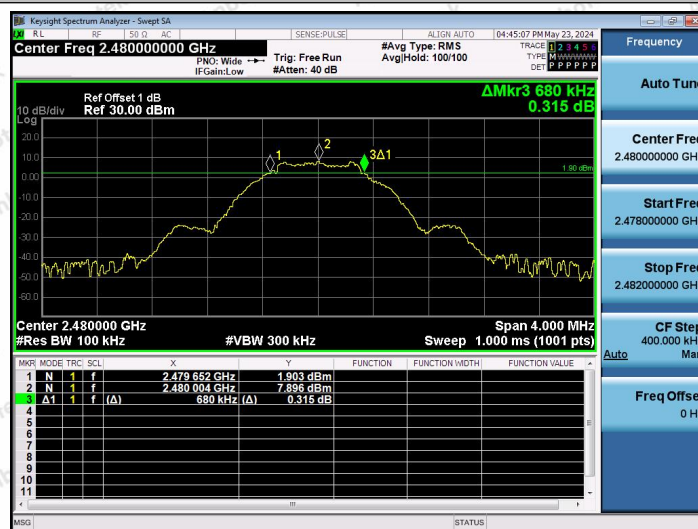
Test Graphs



BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2440-PASS



BLE_1M-Ant1-2480-PASS

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Appendix B: 99% Occupied Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0319	2401.4841	2402.5160	---	---
BLE_1M	Ant1	2440	1.0316	2439.4889	2440.5205	---	---
BLE_1M	Ant1	2480	1.0365	2479.4805	2480.5170	---	---

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Test Graphs



BLE_1M-Ant1-2402



BLE_1M-Ant1-2440



BLE_1M-Ant1-2480

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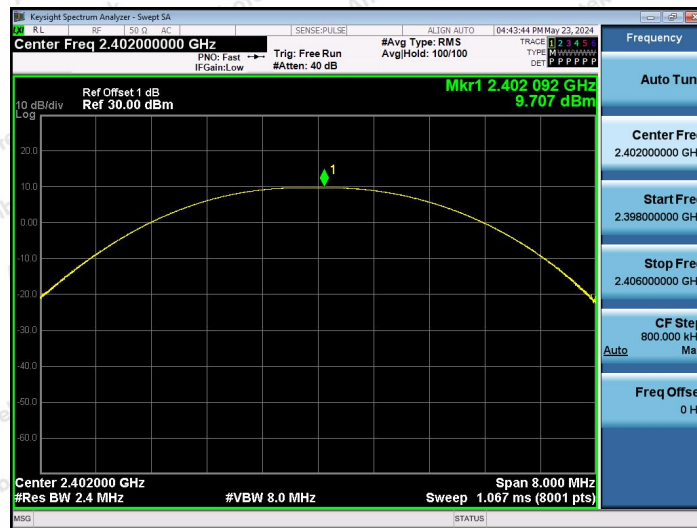
Appendix C: Maximum conducted output power

Test Result Peak

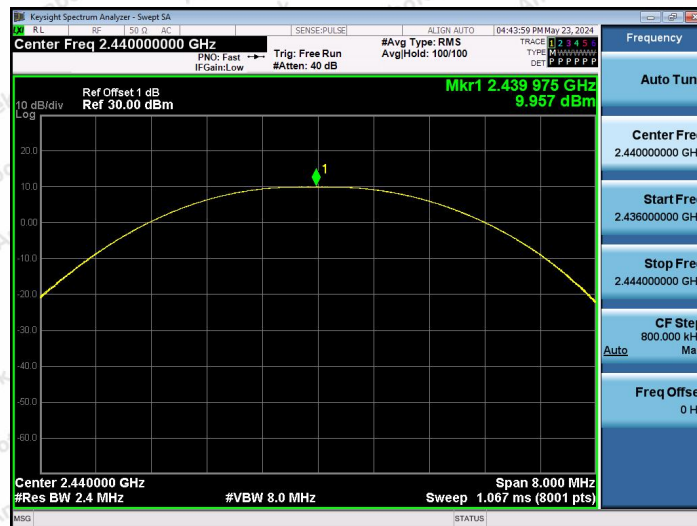
TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	9.71	≤30	PASS
BLE_1M	Ant1	2440	9.96	≤30	PASS
BLE_1M	Ant1	2480	8.79	≤30	PASS



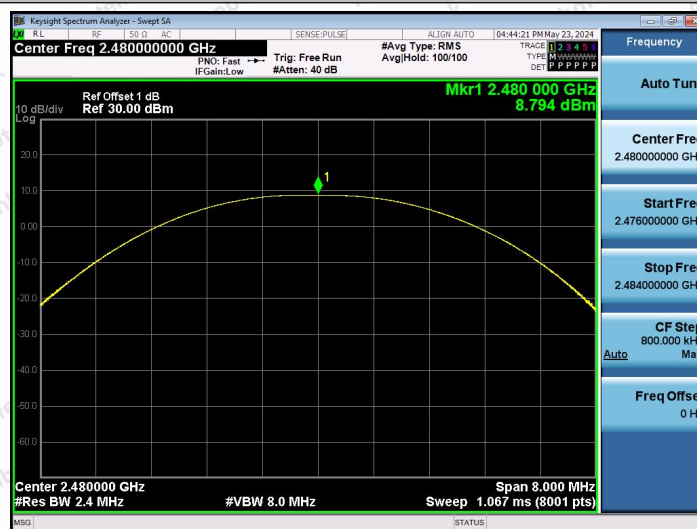
Test Graphs Peak



BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2440-PASS



BLE_1M-Ant1-2480-PASS

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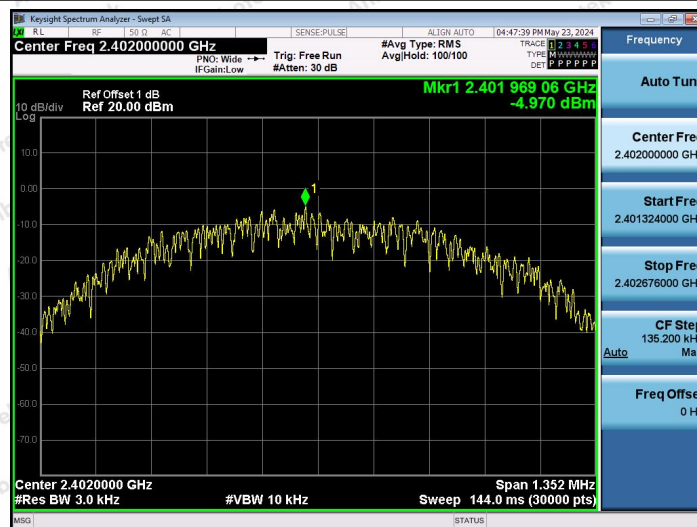
Appendix D: Maximum power spectral density

Test Result

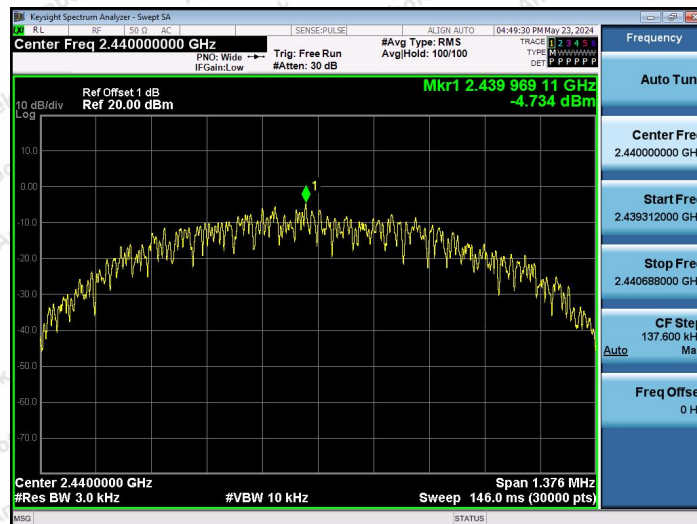
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-4.97	≤8.00	PASS
BLE_1M	Ant1	2440	-4.73	≤8.00	PASS
BLE_1M	Ant1	2480	-6.01	≤8.00	PASS



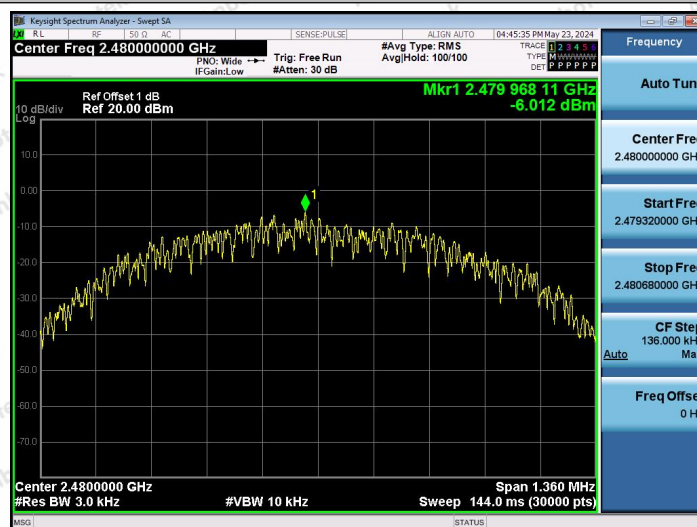
Test Graphs



BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2440-PASS



BLE_1M-Ant1-2480-PASS

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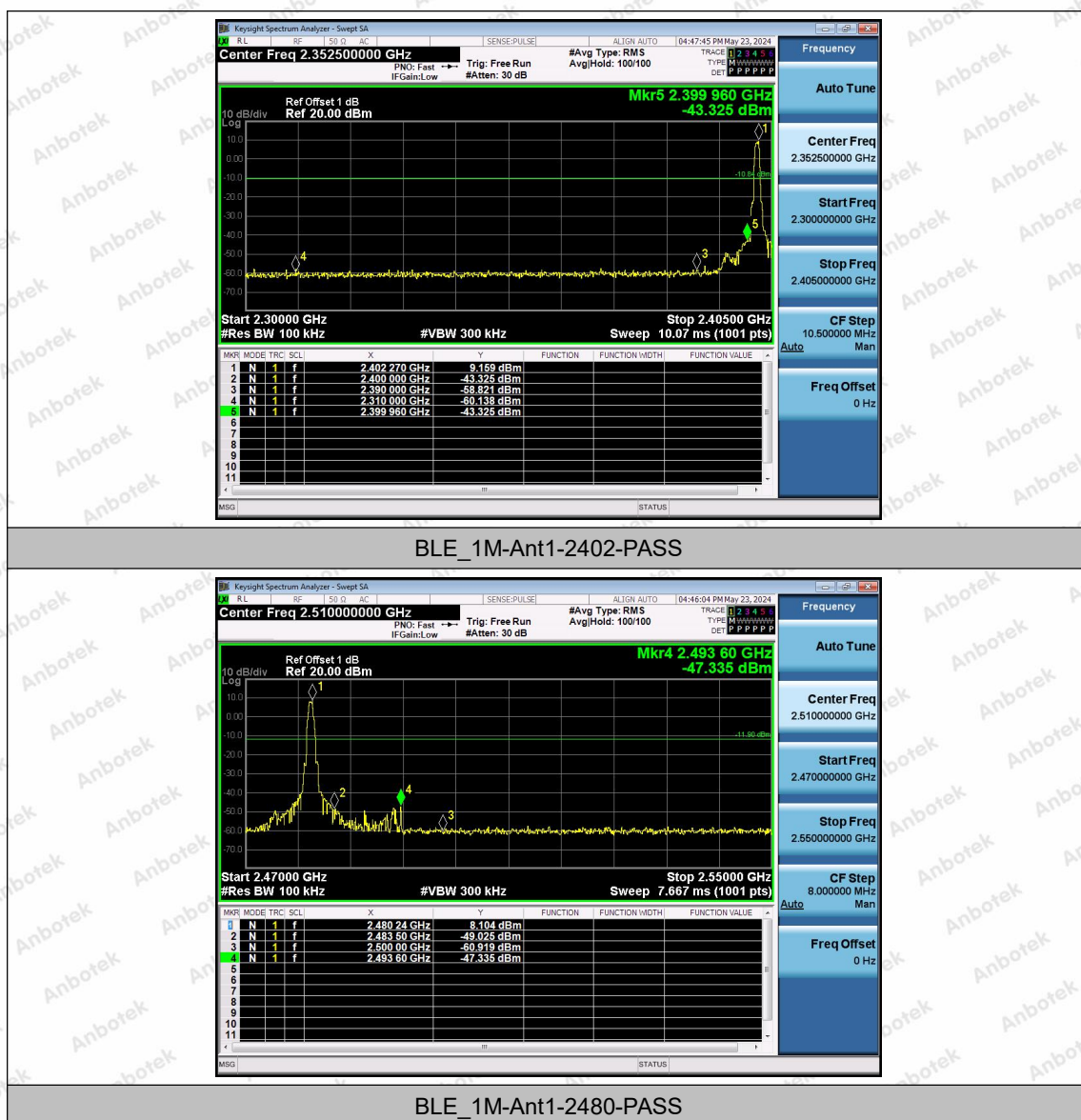


Appendix E: Band edge measurements

Test Result

TestMod e	Antenn a	ChNam e	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdic t
BLE_1M	Ant1	Low	2402	9.16	-43.33	≤-10.84	PASS
BLE_1M	Ant1	High	2480	8.10	-47.34	≤-11.9	PASS

Test Graphs



Appendix F: Conducted Spurious Emission

Test Result

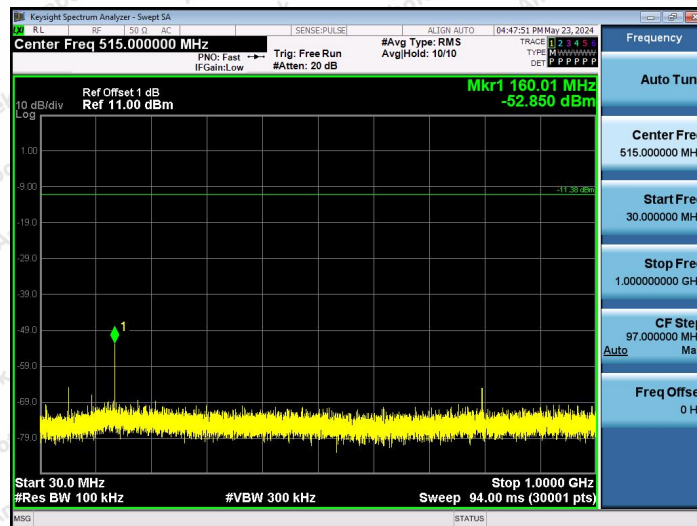
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	8.62	8.62	---	PASS
BLE_1M	Ant1	2402	30~1000	8.62	-52.85	≤-11.38	PASS
BLE_1M	Ant1	2402	1000~26500	8.62	-51.42	≤-11.38	PASS
BLE_1M	Ant1	2440	0~Reference	8.94	8.94	---	PASS
BLE_1M	Ant1	2440	30~1000	8.94	-53.69	≤-11.06	PASS
BLE_1M	Ant1	2440	1000~26500	8.94	-52.04	≤-11.06	PASS
BLE_1M	Ant1	2480	0~Reference	7.52	7.52	---	PASS
BLE_1M	Ant1	2480	30~1000	7.52	-52.35	≤-12.48	PASS
BLE_1M	Ant1	2480	1000~26500	7.52	-53.39	≤-12.48	PASS



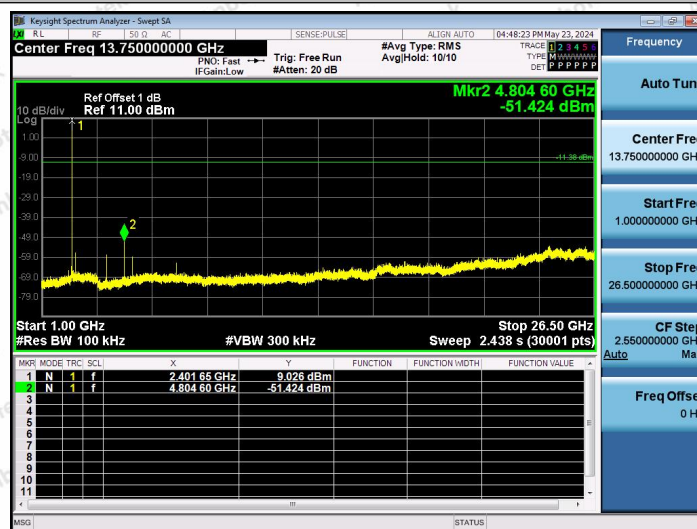
Test Graphs



BLE_1M-Ant1-2402-0~Reference-PASS



BLE_1M-Ant1-2402-30~1000-PASS



BLE_1M-Ant1-2402-1000~26500-PASS

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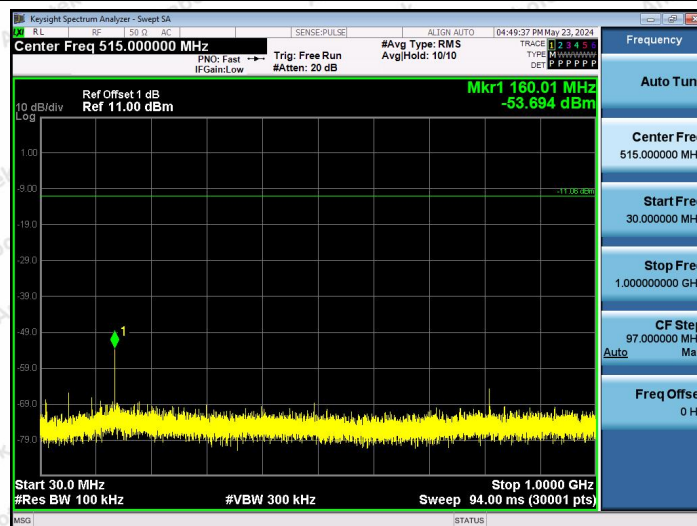


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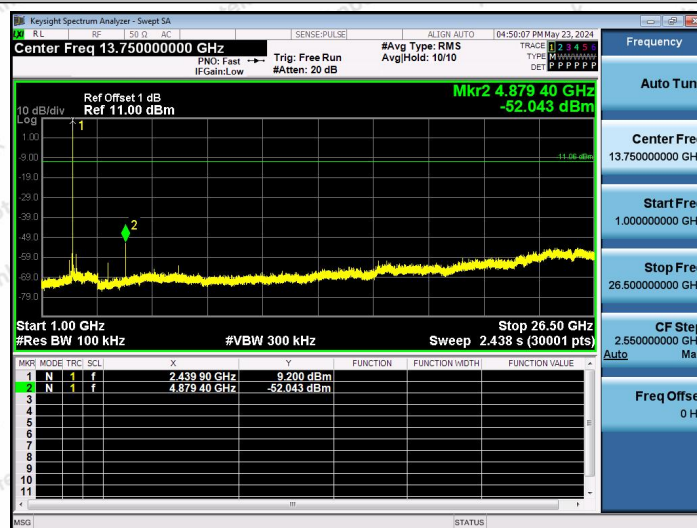




BLE_1M-Ant1-2440-0~Reference-PASS



BLE_1M-Ant1-2440-30~1000-PASS



BLE_1M-Ant1-2440-1000~26500-PASS

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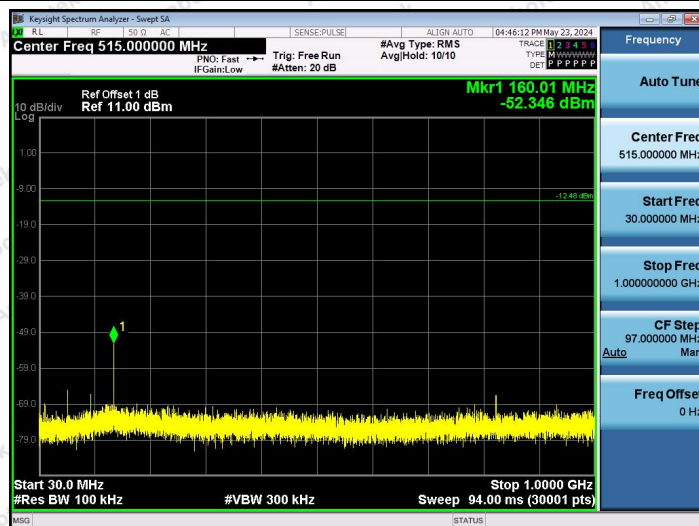


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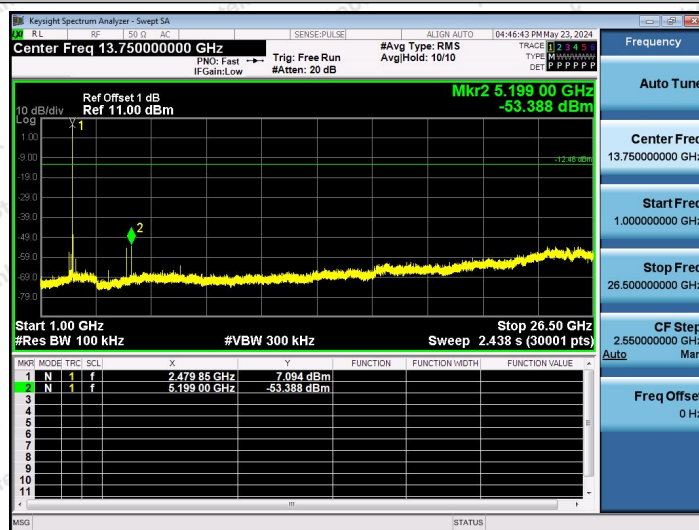




BLE_1M-Ant1-2480-0~Reference-PASS



BLE_1M-Ant1-2480-30~1000-PASS



BLE_1M-Ant1-2480-1000~26500-PASS

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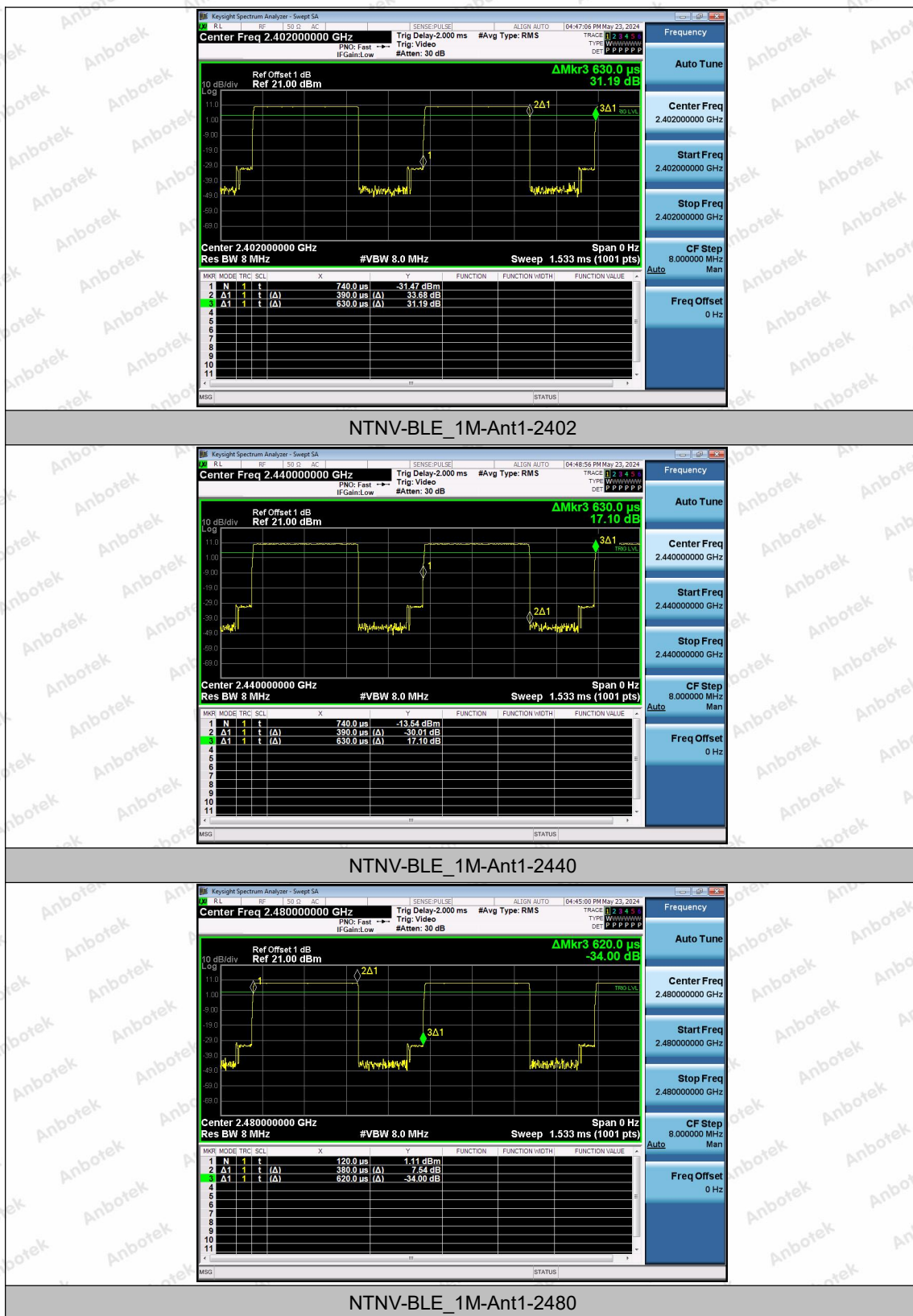
Appendix G: Duty Cycle

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
BLE_1M	Ant1	2440	0.39	0.63	61.90	2.08
BLE_1M	Ant1	2480	0.38	0.62	61.29	2.13



Test Graphs



---End---

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