

Appendix Test Data

Report No.:	18220WC30057801	Test Sample No.:	1-2-2
Start Test Date:	2023.04.07	Finish Test Date:	2023.04.12
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	25.3℃	Relative Humidity:	42%
Pressure:	1012 hPa		

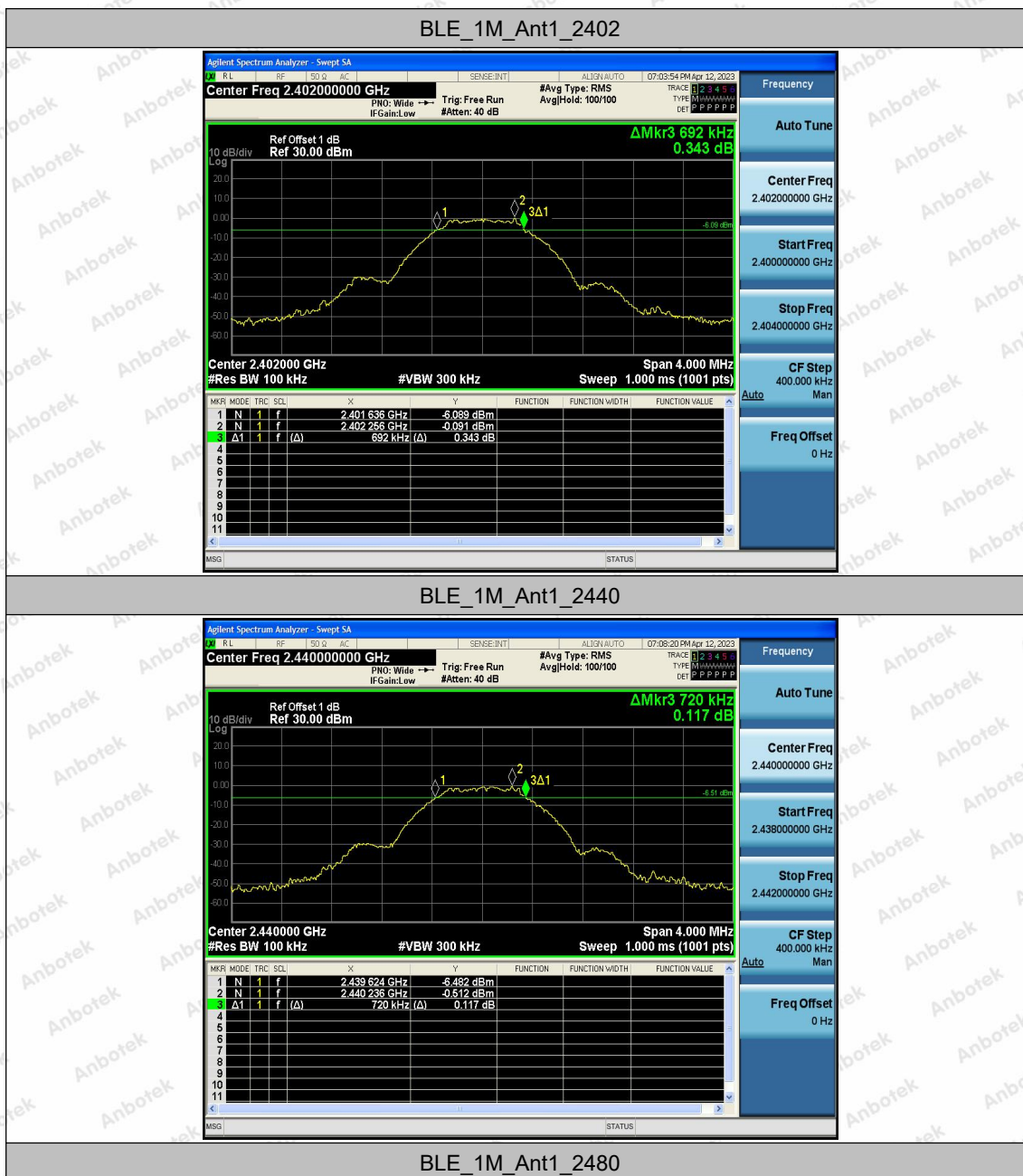
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.692	2401.636	2402.328	0.5	PASS
		2440	0.720	2439.624	2440.344	0.5	PASS
		2480	0.756	2479.612	2480.368	0.5	PASS



Test Graphs



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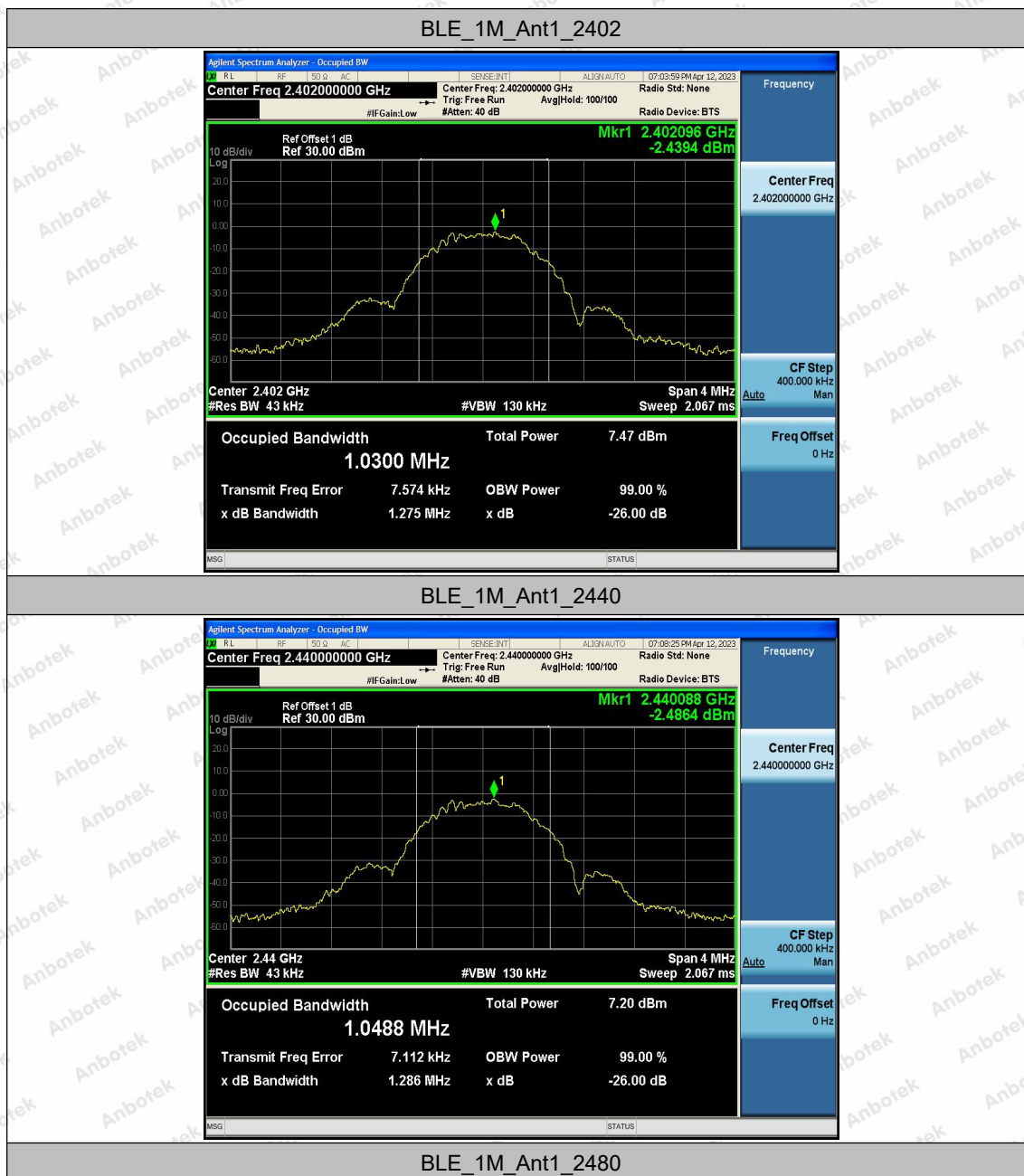
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0300	2401.4926	2402.5226
		2440	1.0488	2439.4827	2440.5315
		2480	1.0612	2479.4757	2480.5369



Test Graphs



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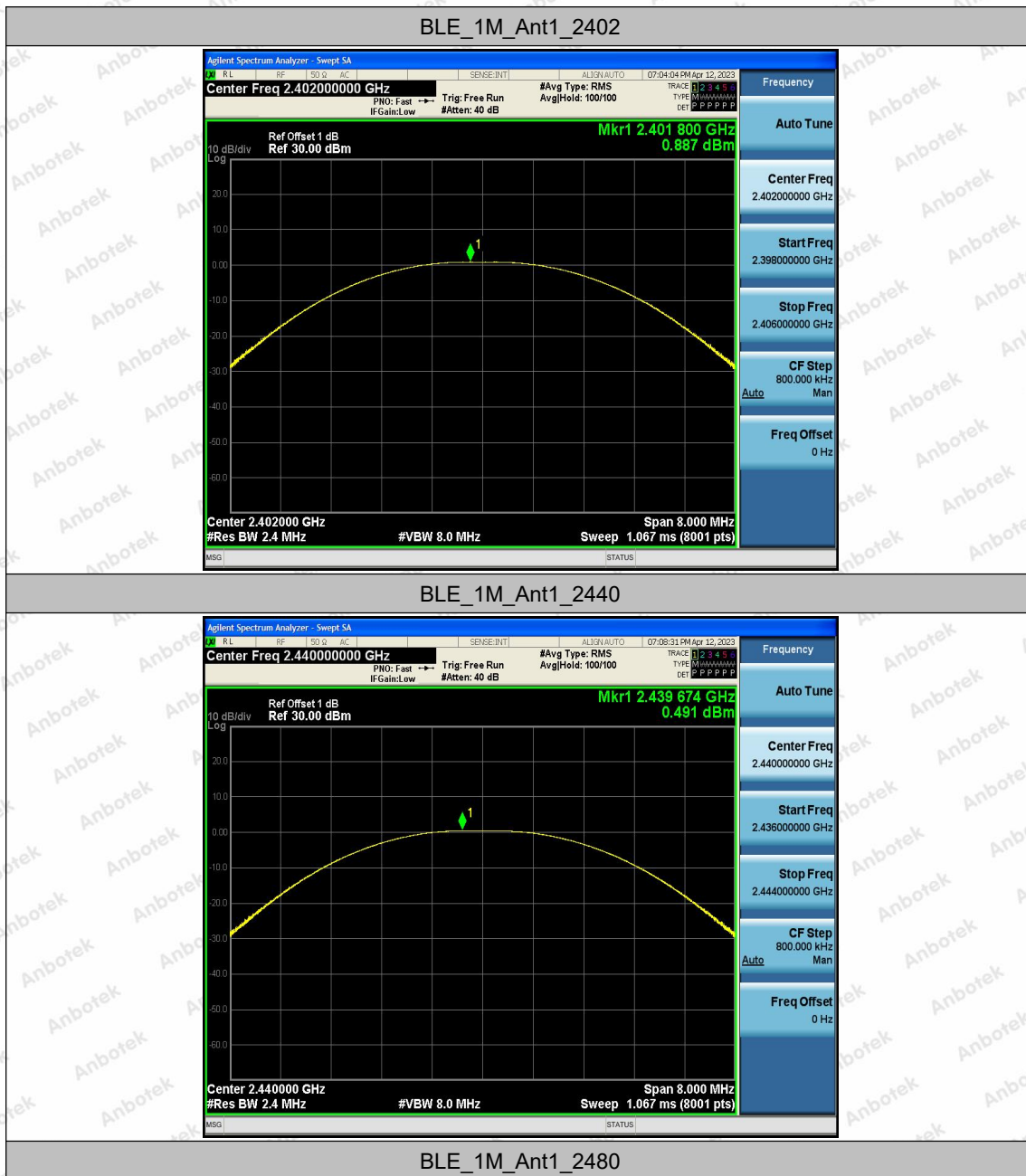
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.89	≤30	PASS
		2440	0.49	≤30	PASS
		2480	0.34	≤30	PASS



Test Graphs Peak



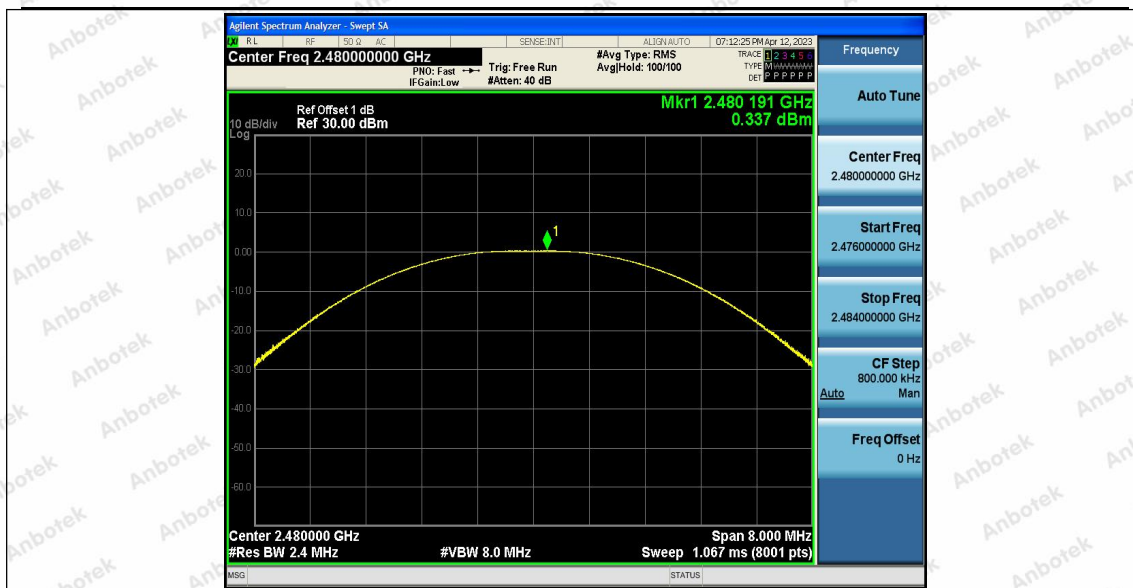
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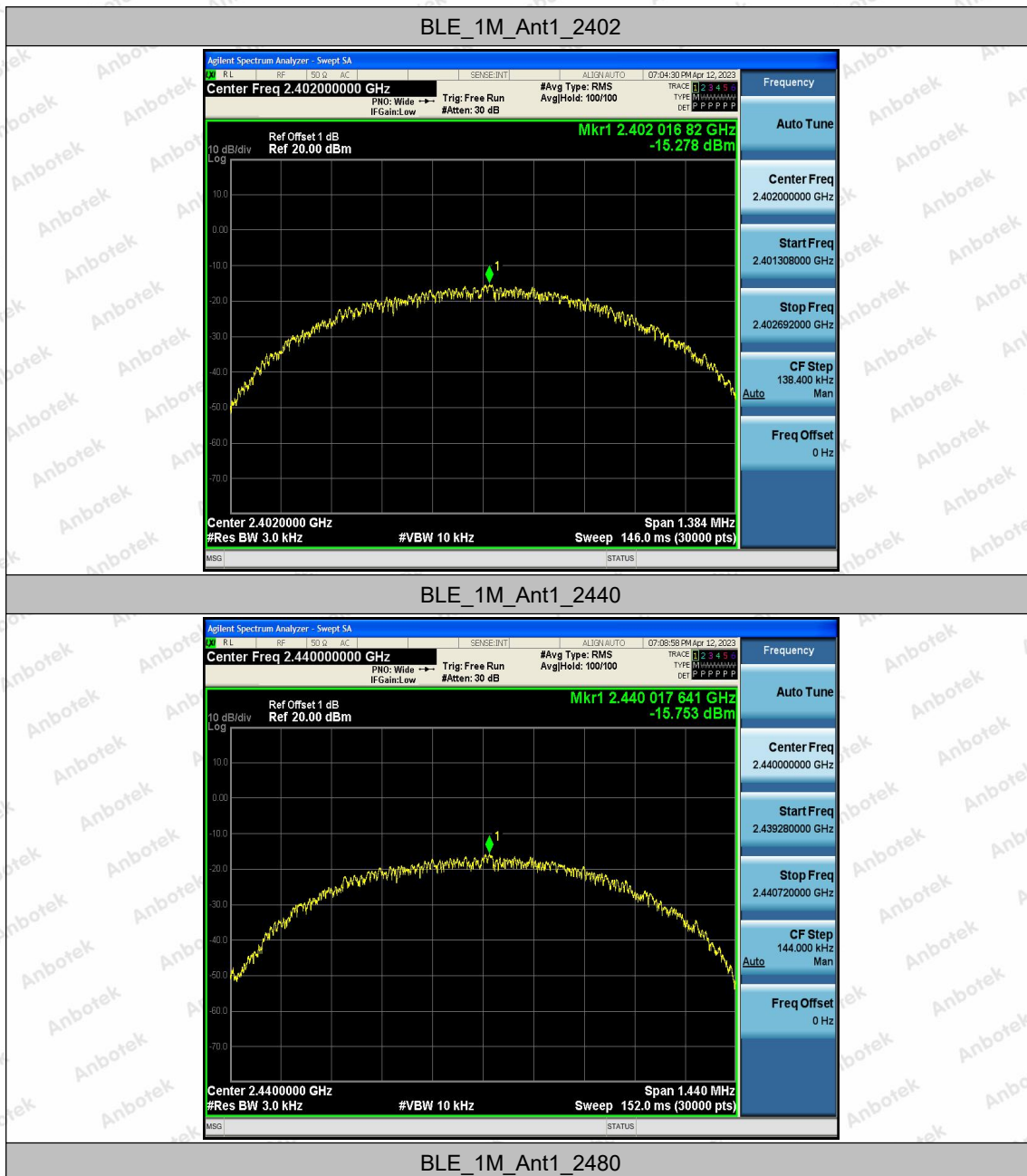
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.28	≤8.00	PASS
		2440	-15.75	≤8.00	PASS
		2480	-16.28	≤8.00	PASS



Test Graphs



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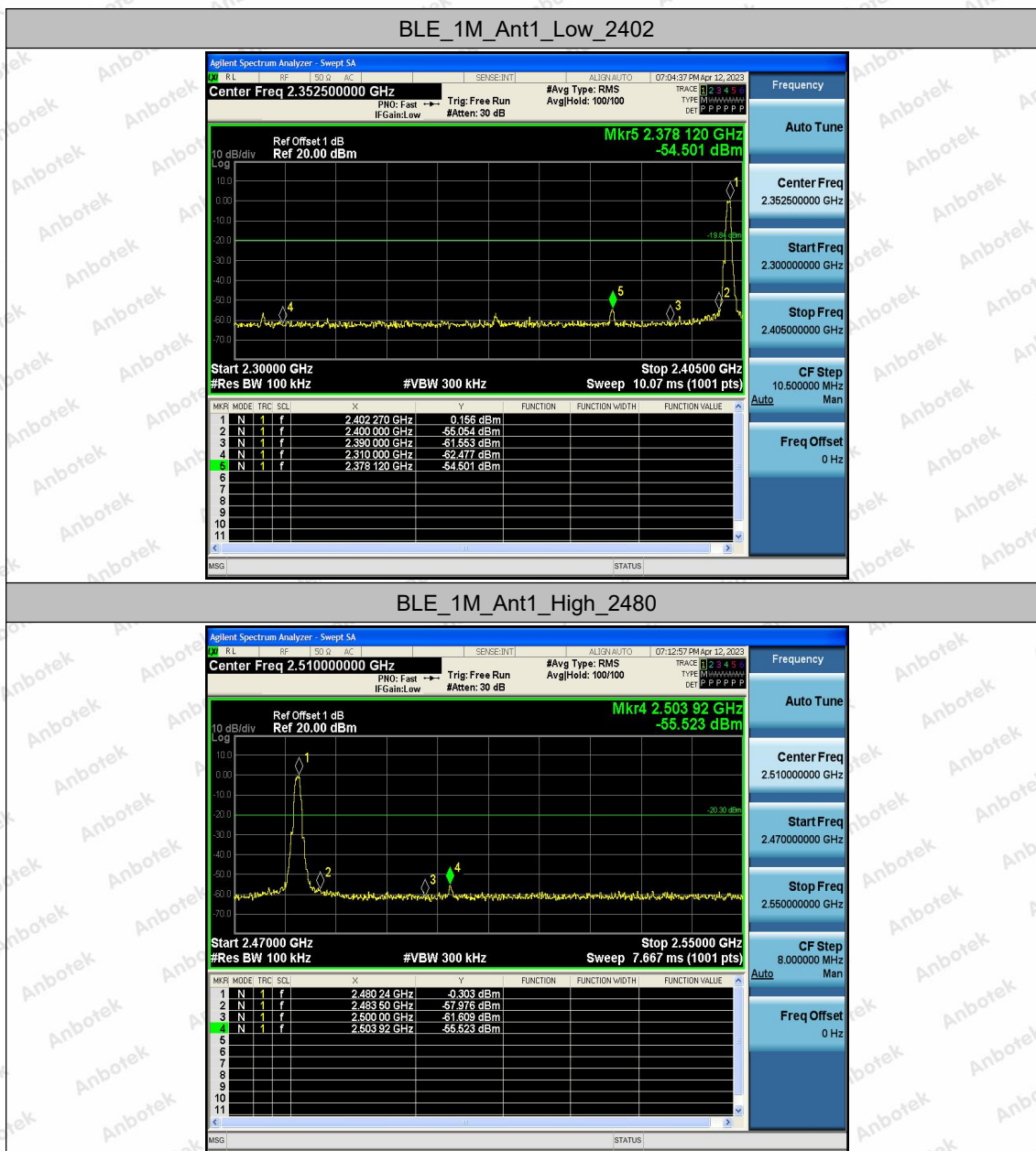
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.16	-54.5	≤-19.84	PASS
		High	2480	-0.30	-55.52	≤-20.3	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	-0.50	-0.50	---	PASS
			30~1000	-0.50	-69.38	≤-20.5	PASS
			1000~26500	-0.50	-36.98	≤-20.5	PASS
		2440	Reference	-0.42	-0.42	---	PASS
			30~1000	-0.42	-69.35	≤-20.42	PASS
			1000~26500	-0.42	-38.22	≤-20.42	PASS
		2480	Reference	-1.52	-1.52	---	PASS
			30~1000	-1.52	-69.53	≤-21.52	PASS
			1000~26500	-1.52	-38.79	≤-21.52	PASS

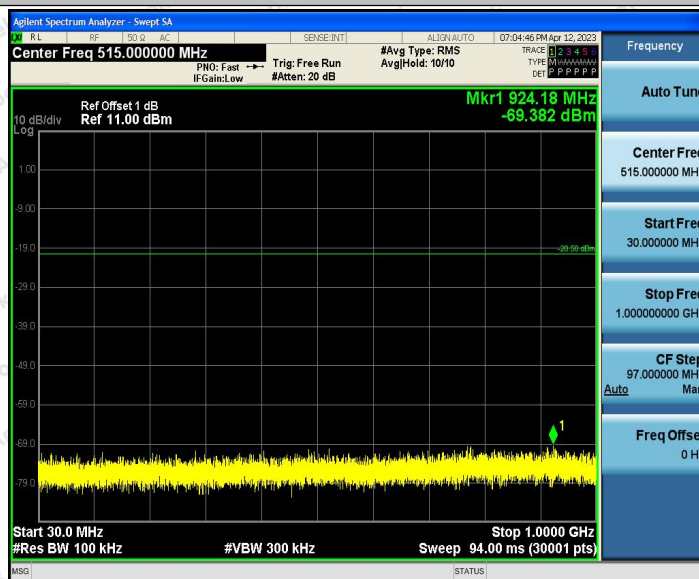


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

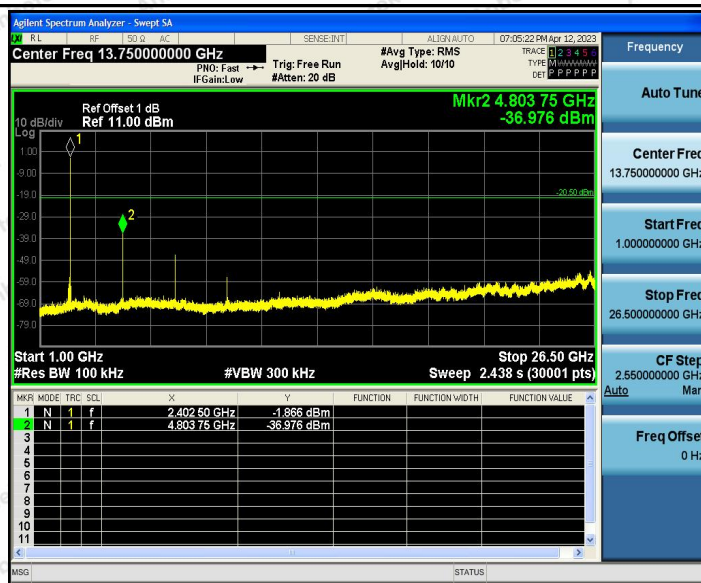
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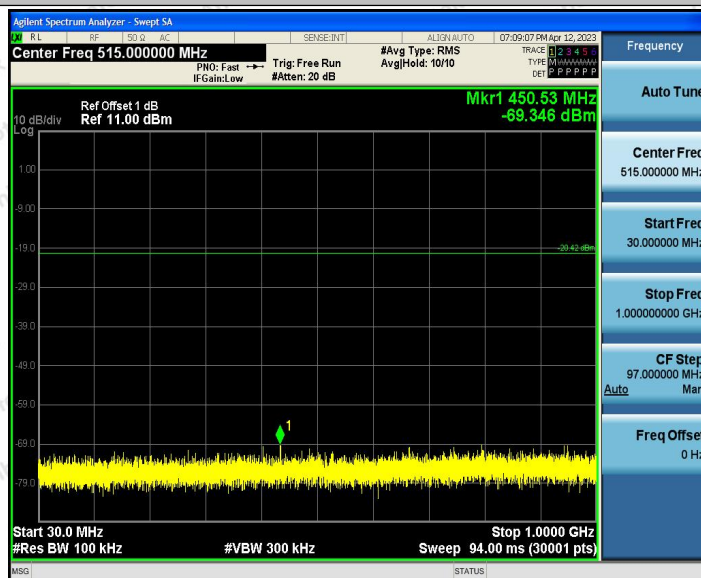




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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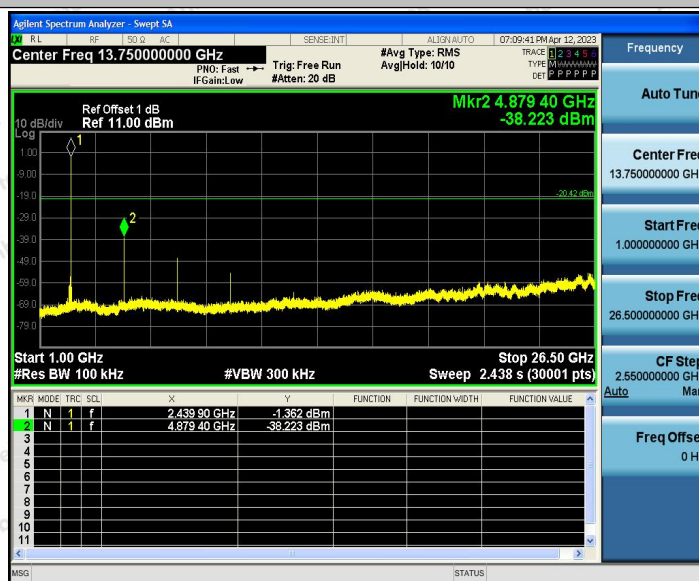
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000

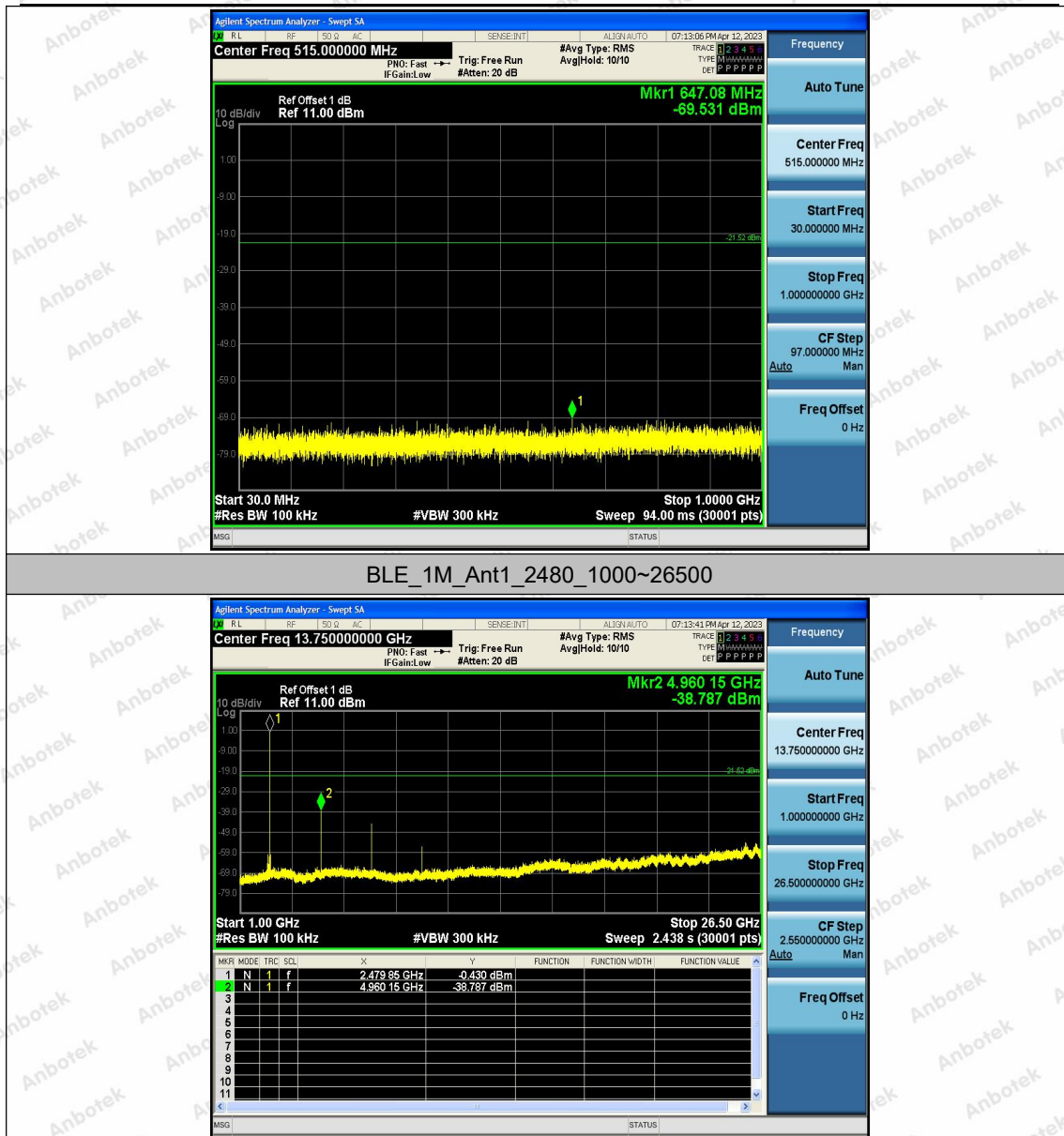
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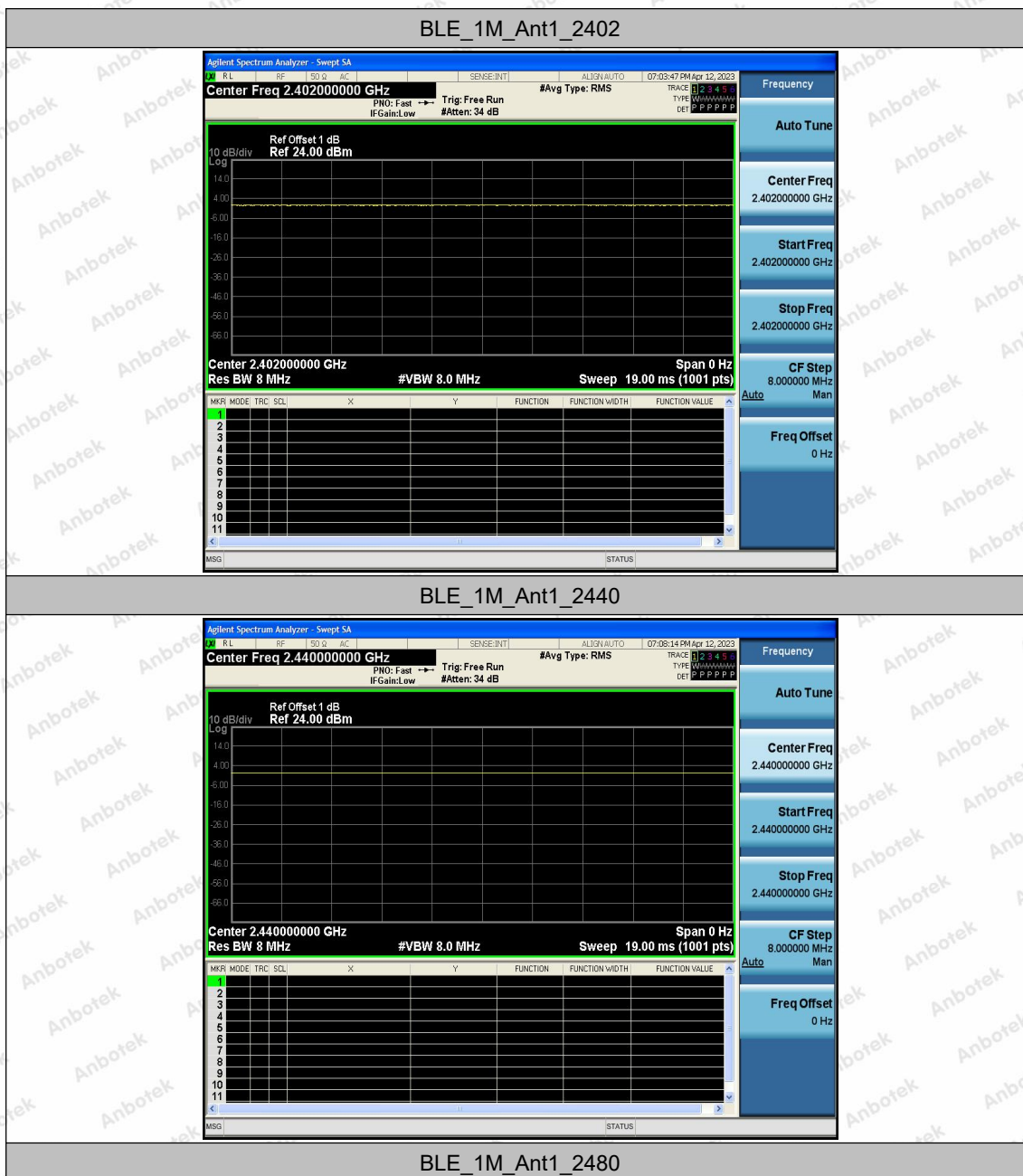
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	19.00	19.00	100.00	0.00
		2440	19.00	19.00	100.00	0.00
		2480	19.00	19.00	100.00	0.00



Test Graphs



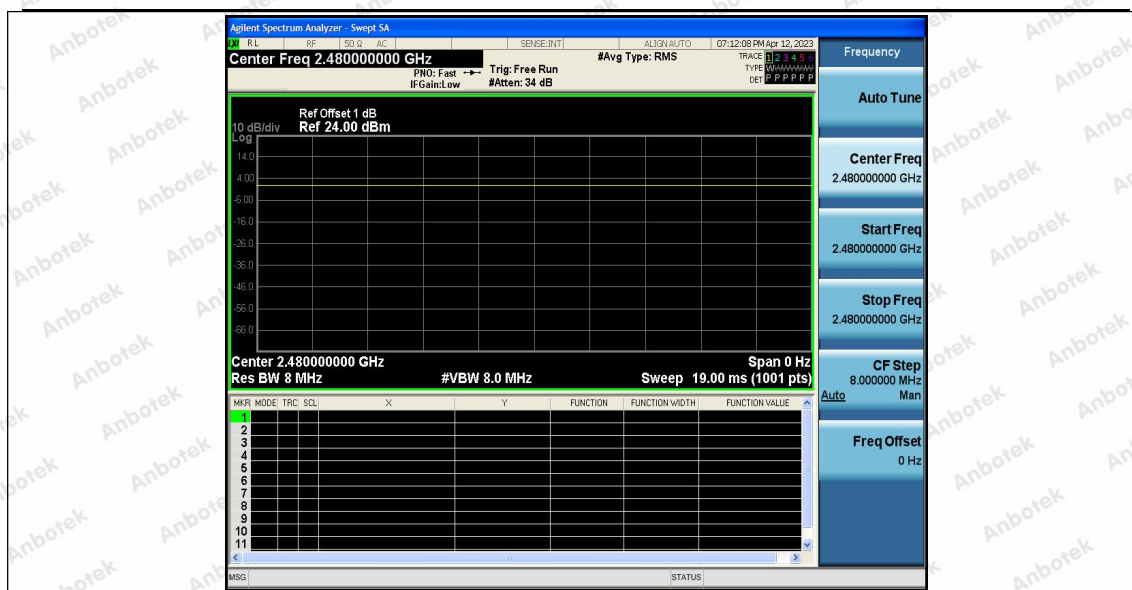
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