

Appendix Test Data

Report No.:	18220WC30178701	Test Sample No.:	1-2-2
Start Test Date:	2023.08.23	Finish Test Date:	2023.08.26
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.2°C	Relative Humidity:	48%
Pressure:	102kPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.688	2401.652	2402.340	0.5	PASS
		2440	0.680	2439.664	2440.344	0.5	PASS
		2480	0.672	2479.672	2480.344	0.5	PASS

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Test Graphs

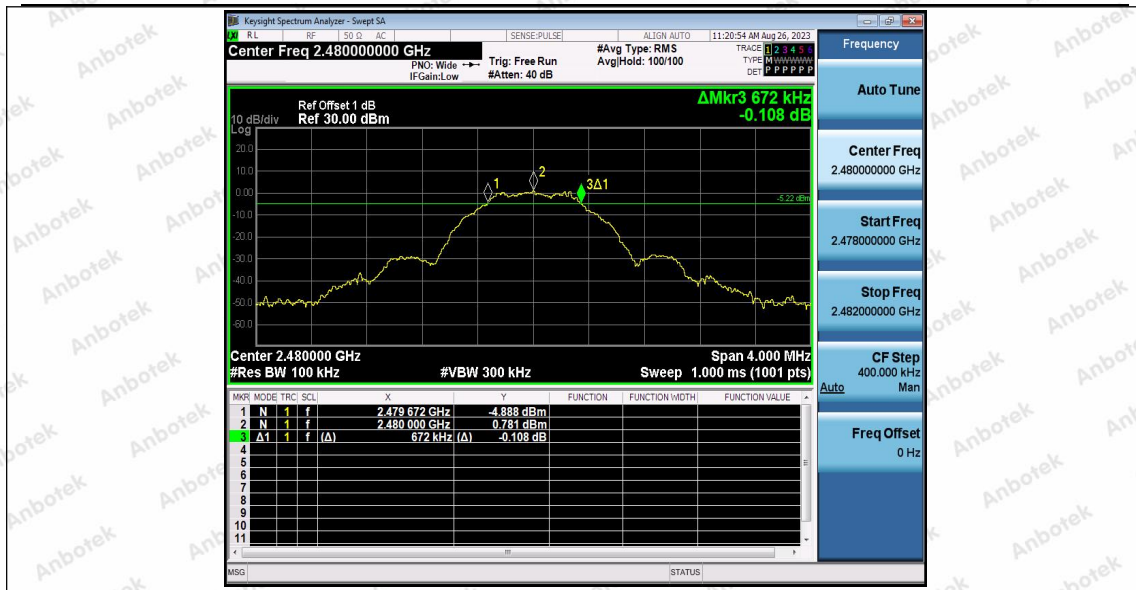


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Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0296	2401.4959	2402.5255
		2440	1.0257	2439.4959	2440.5216
		2480	1.0272	2479.4980	2480.5252

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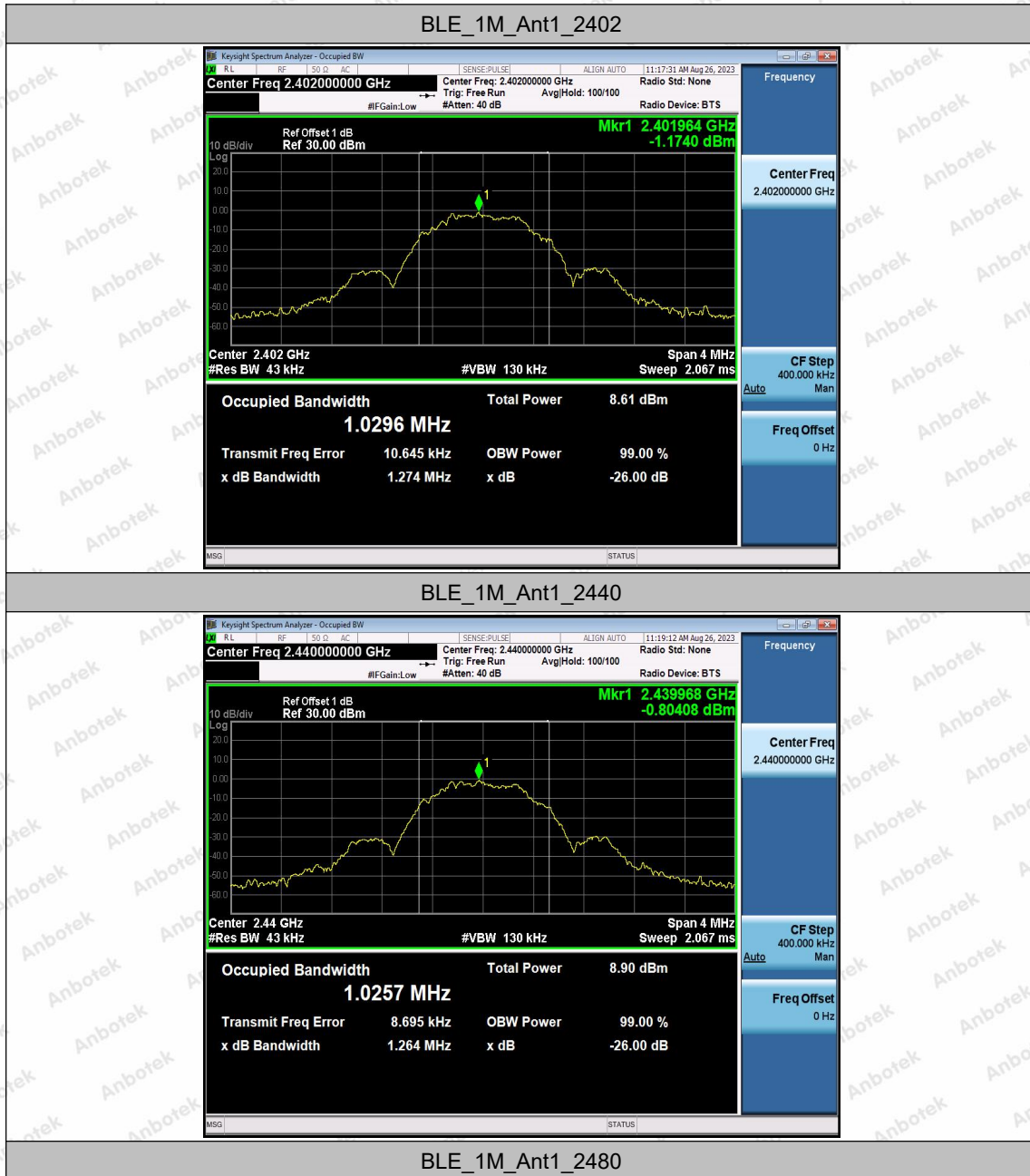
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Test Graphs



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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	2.31	≤30	PASS
		2440	2.42	≤30	PASS
		2480	1.46	≤30	PASS

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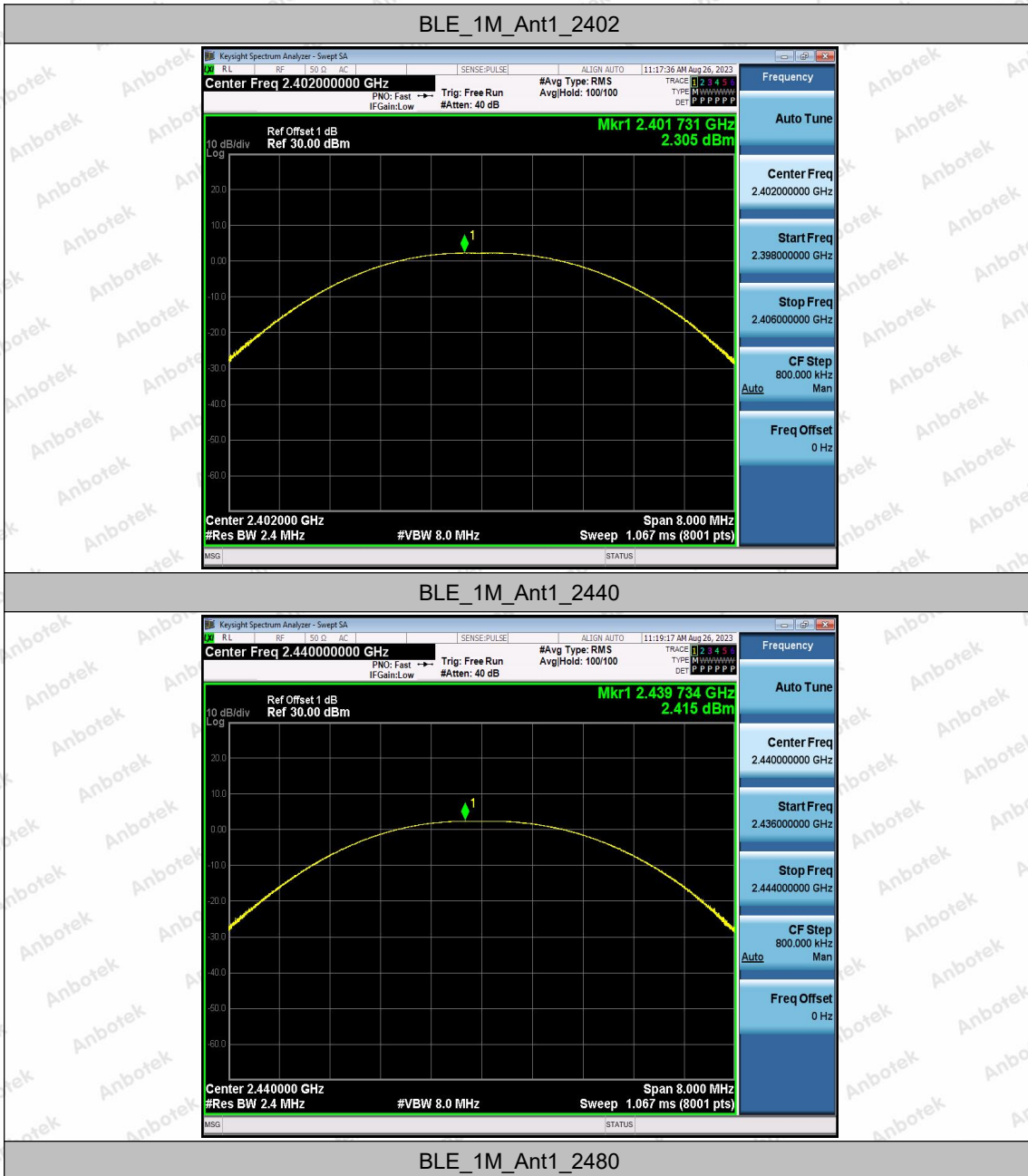
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Test Graphs Peak



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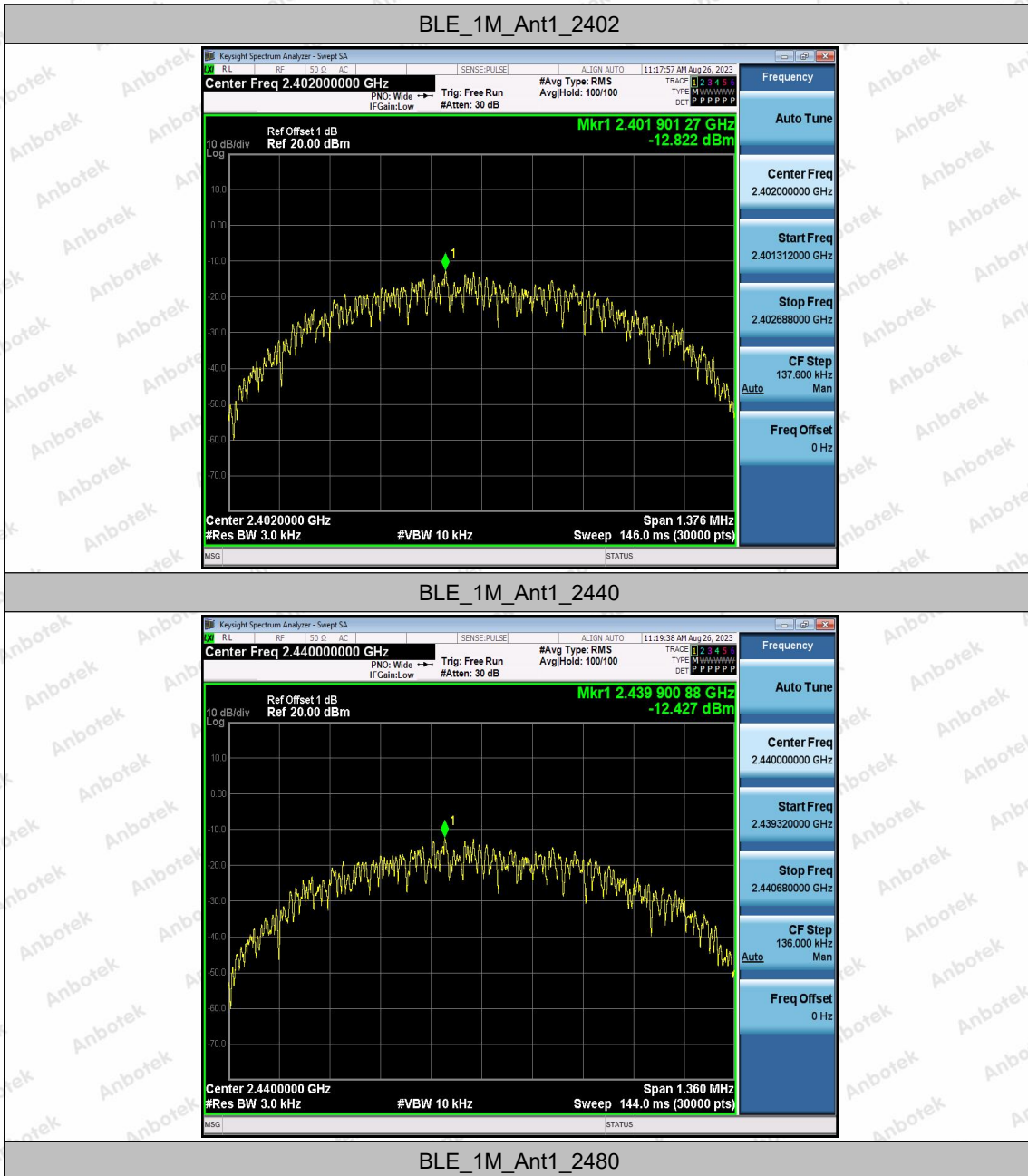
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.82	≤8.00	PASS
		2440	-12.43	≤8.00	PASS
		2480	-13.42	≤8.00	PASS



Test Graphs



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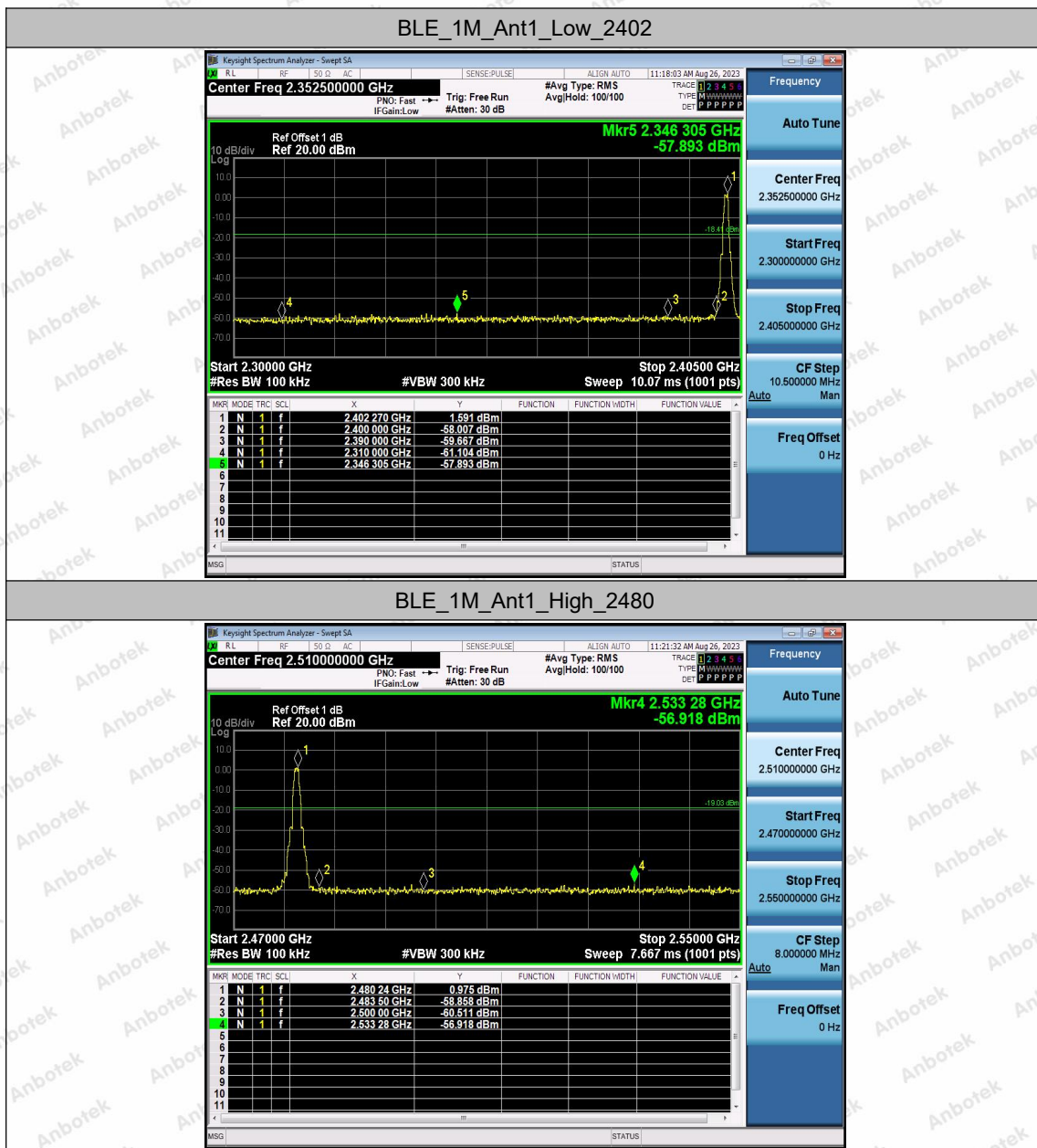


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.59	-57.89	≤-18.41	PASS
		High	2480	0.98	-56.92	≤-19.03	PASS

Test Graphs



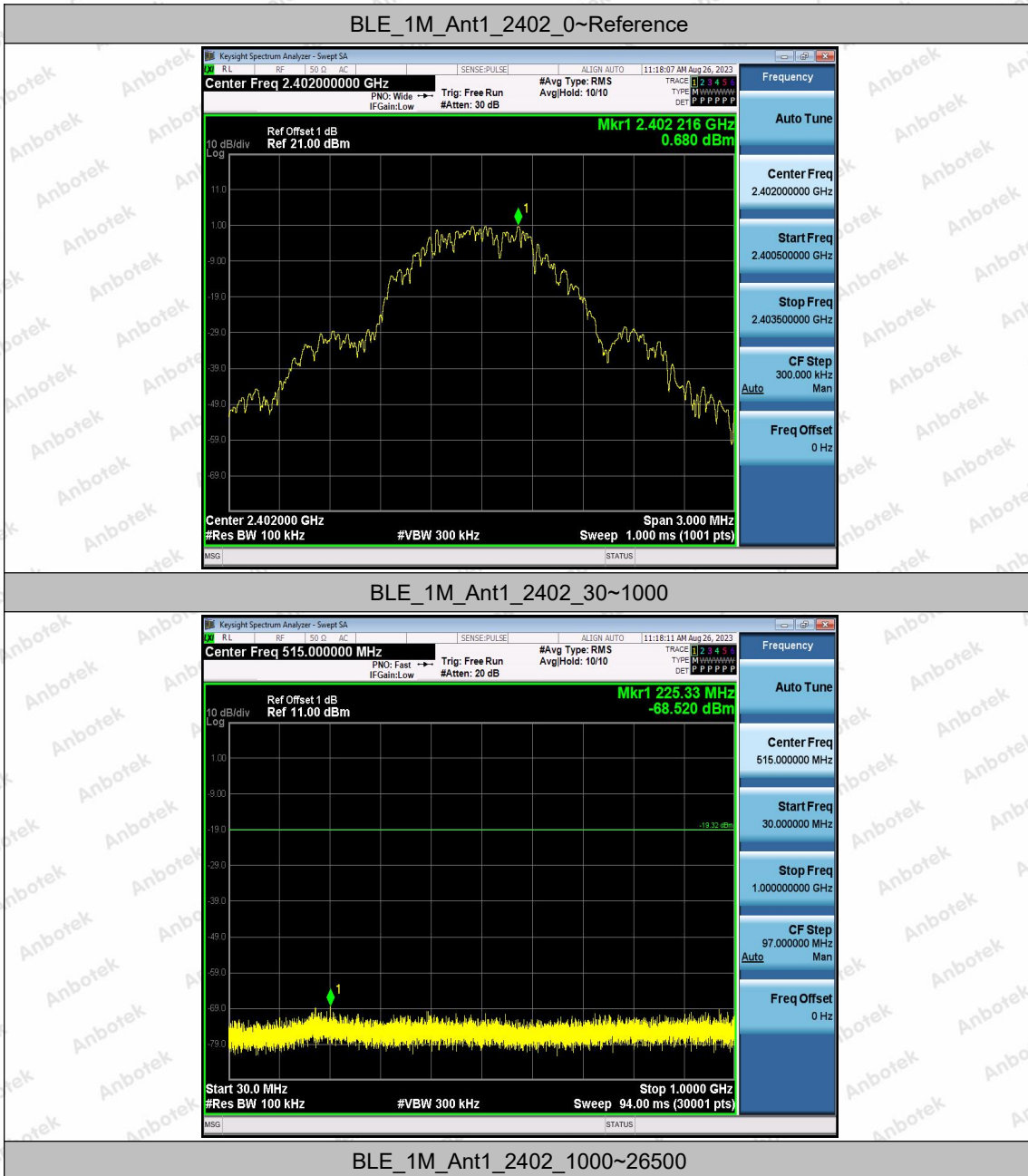
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	0.68	0.68	---	PASS
			30~1000	0.68	-68.52	≤-19.32	PASS
			1000~26500	0.68	-53.21	≤-19.32	PASS
		2440	Reference	1.64	1.64	---	PASS
			30~1000	1.64	-69.24	≤-18.36	PASS
			1000~26500	1.64	-52.50	≤-18.36	PASS
		2480	Reference	0.60	0.60	---	PASS
			30~1000	0.60	-69.23	≤-19.4	PASS
			1000~26500	0.60	-53.41	≤-19.4	PASS



Test Graphs

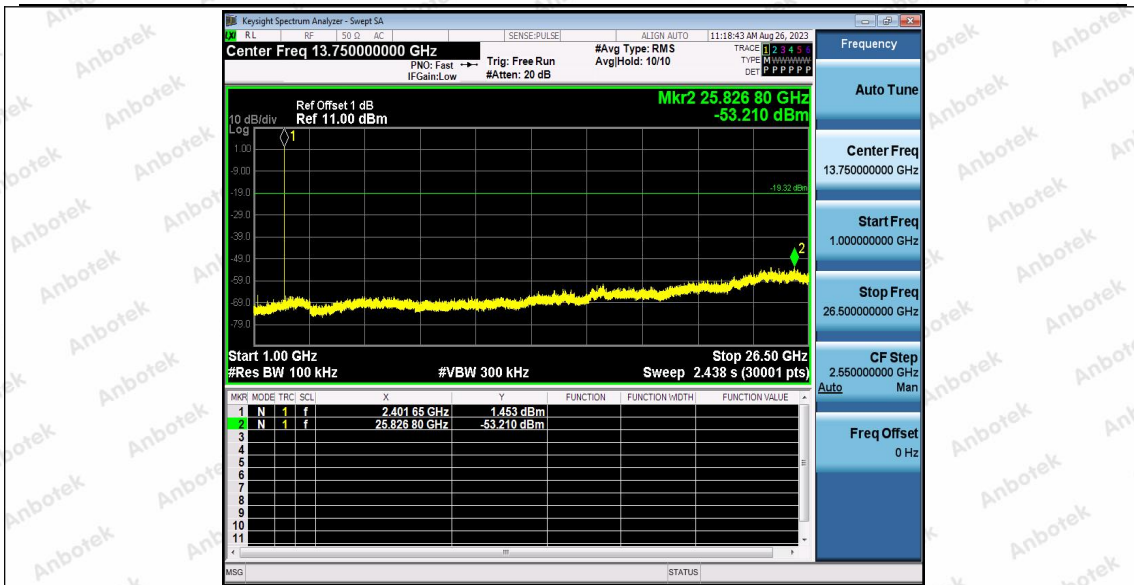


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BLE_1M_Ant1_2440_0~Reference



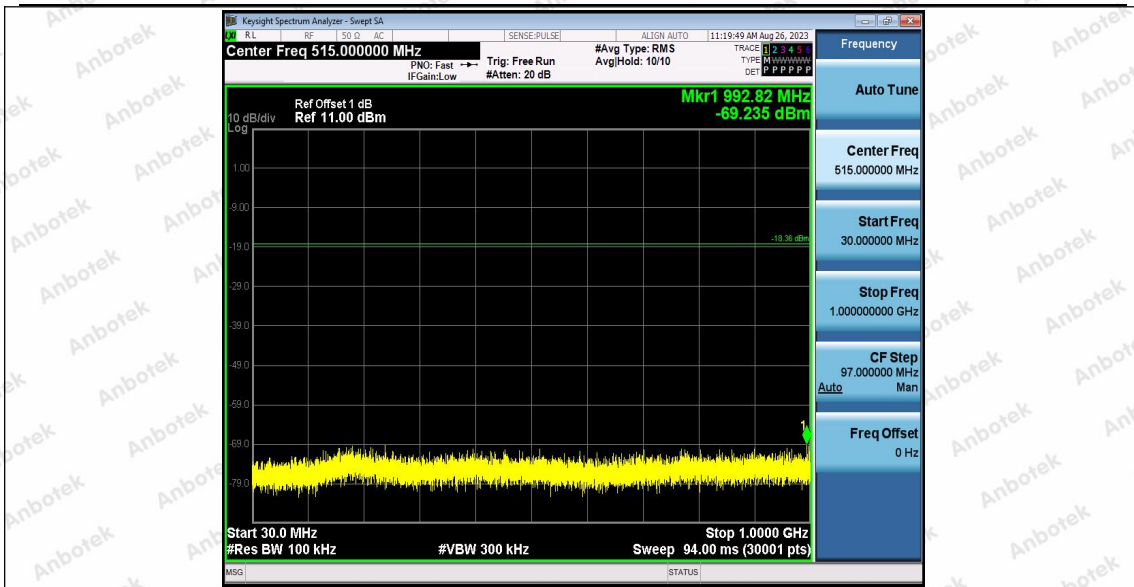
BLE_1M_Ant1_2440_30~1000

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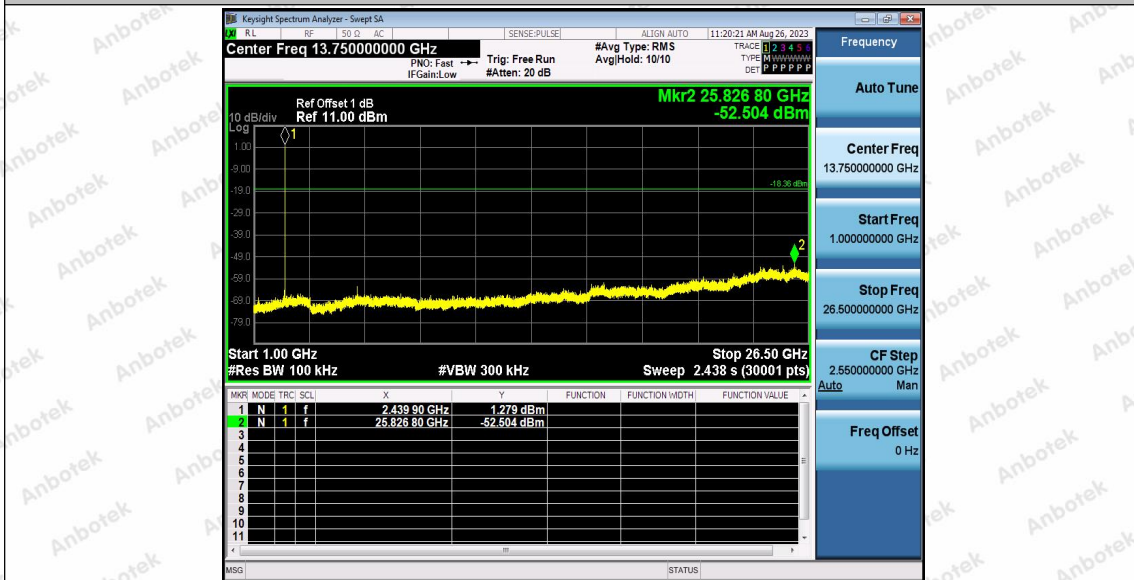
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

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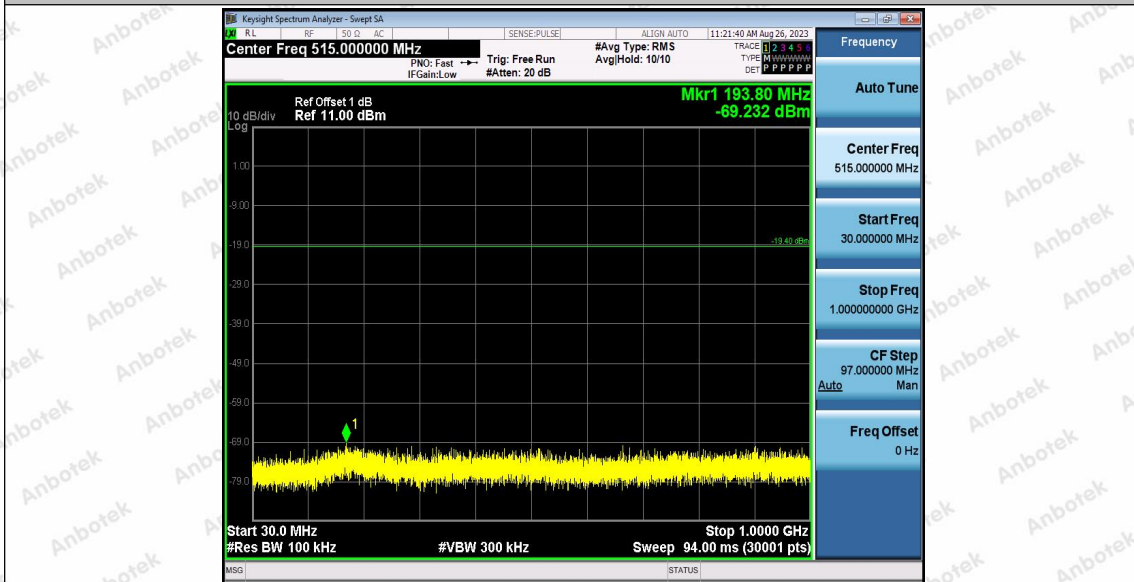
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BLE_1M_Ant1_2480_30~1000



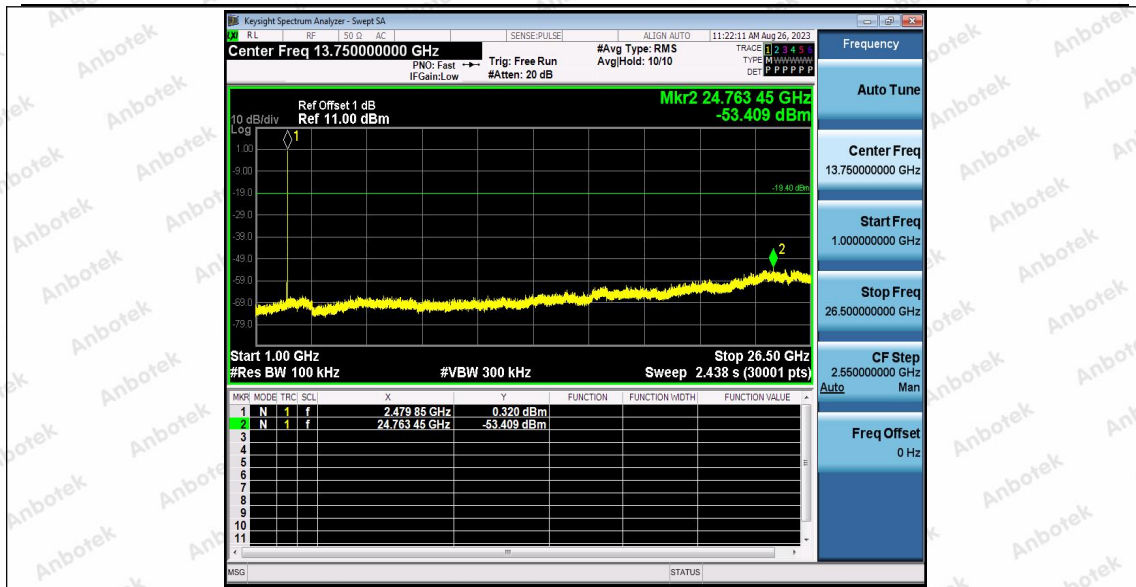
BLE_1M_Ant1_2480_1000~26500

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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	19.00	19.00	100	0.00
		2440	19.00	19.00	100	0.00
		2480	19.00	19.00	100	0.00

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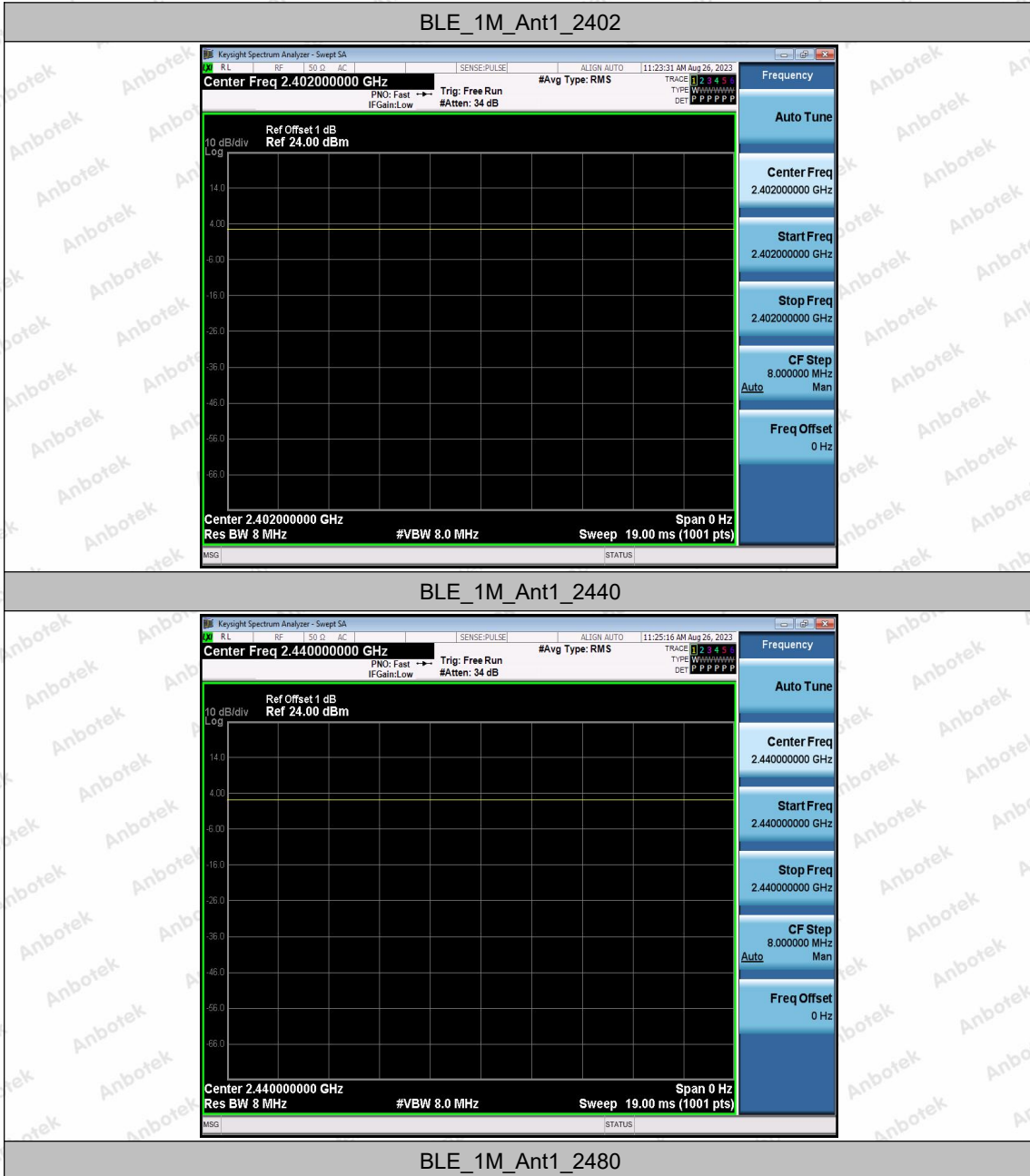
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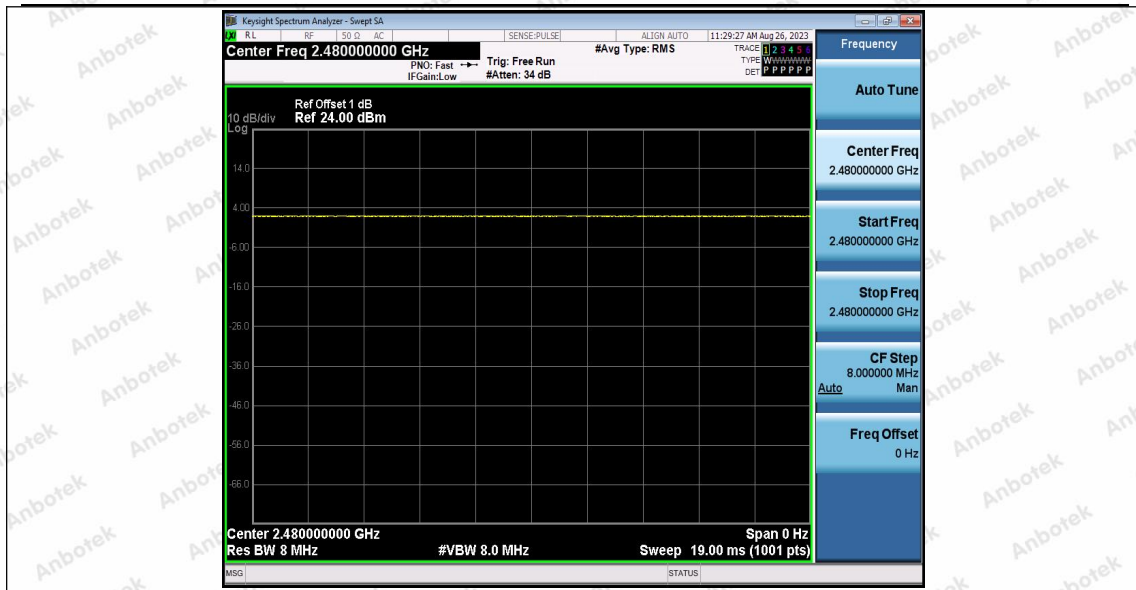


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