

Appendix Test Data

Report No.:	18220WC30196901	Test Sample No.:	1-2-2
Start Test Date:	2023.09.12	Finish Test Date:	2023.09.14
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.6°C	Relative Humidity:	49.2%
Pressure:	102kPa		

Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.652	2401.676	2402.328	0.5	PASS
		2440	0.652	2439.660	2440.312	0.5	PASS
		2480	0.644	2479.680	2480.324	0.5	PASS



Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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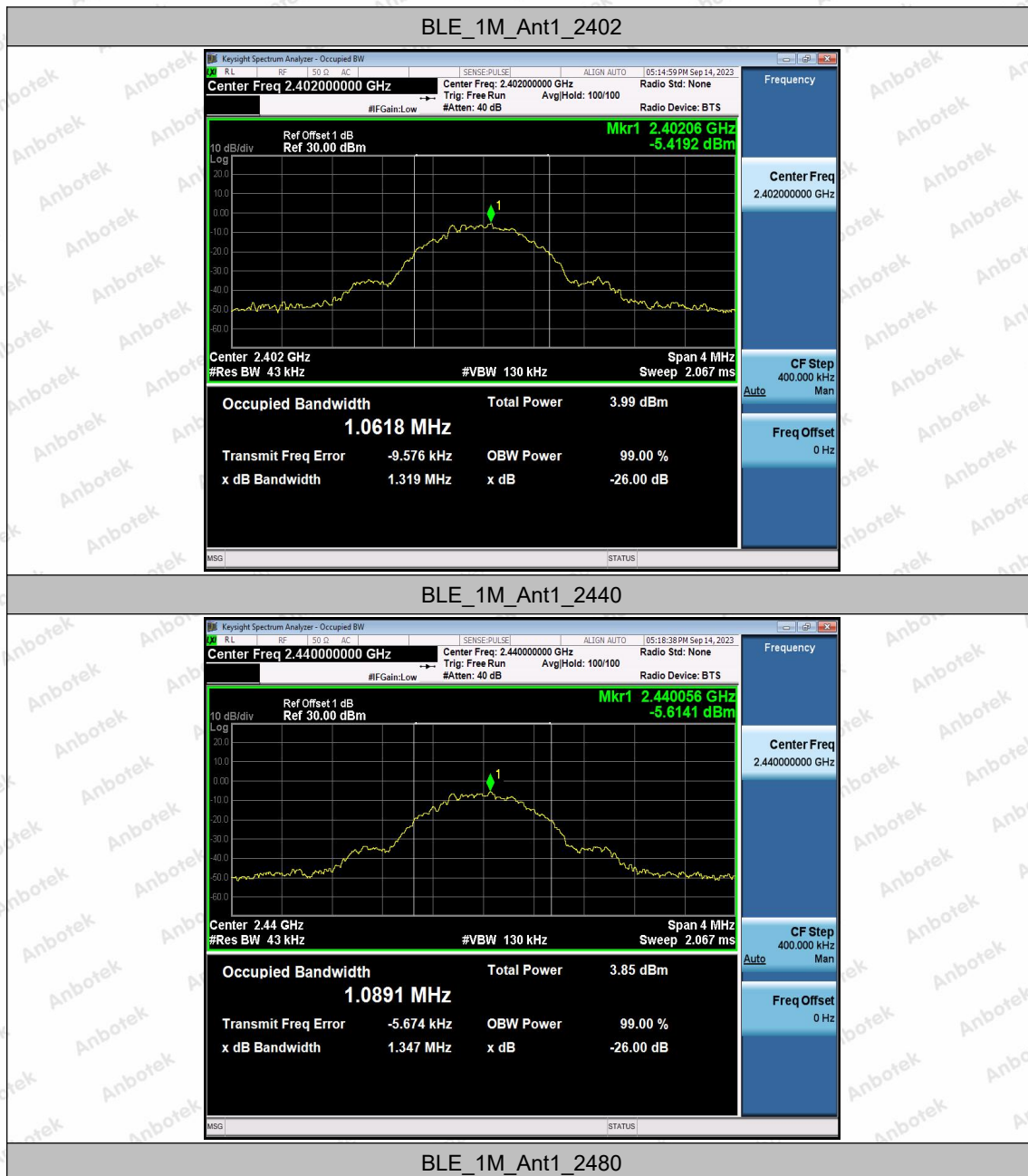
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0618	2401.4595	2402.5213
		2440	1.0891	2439.4498	2440.5389
		2480	1.0759	2479.4559	2480.5318



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	-2.59	≤30	PASS
		2440	-2.72	≤30	PASS
		2480	-3.26	≤30	PASS

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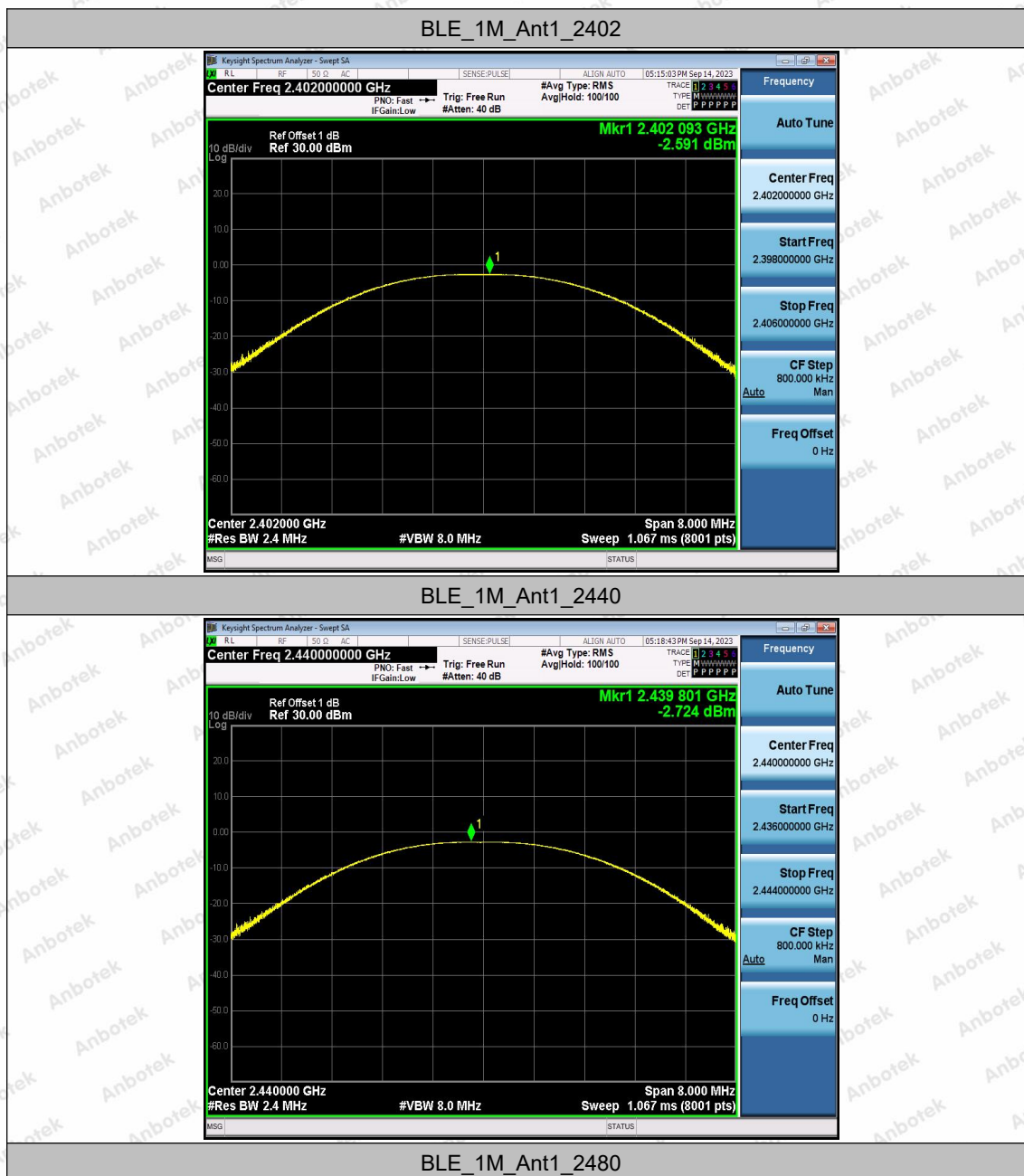
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Test Graphs Peak



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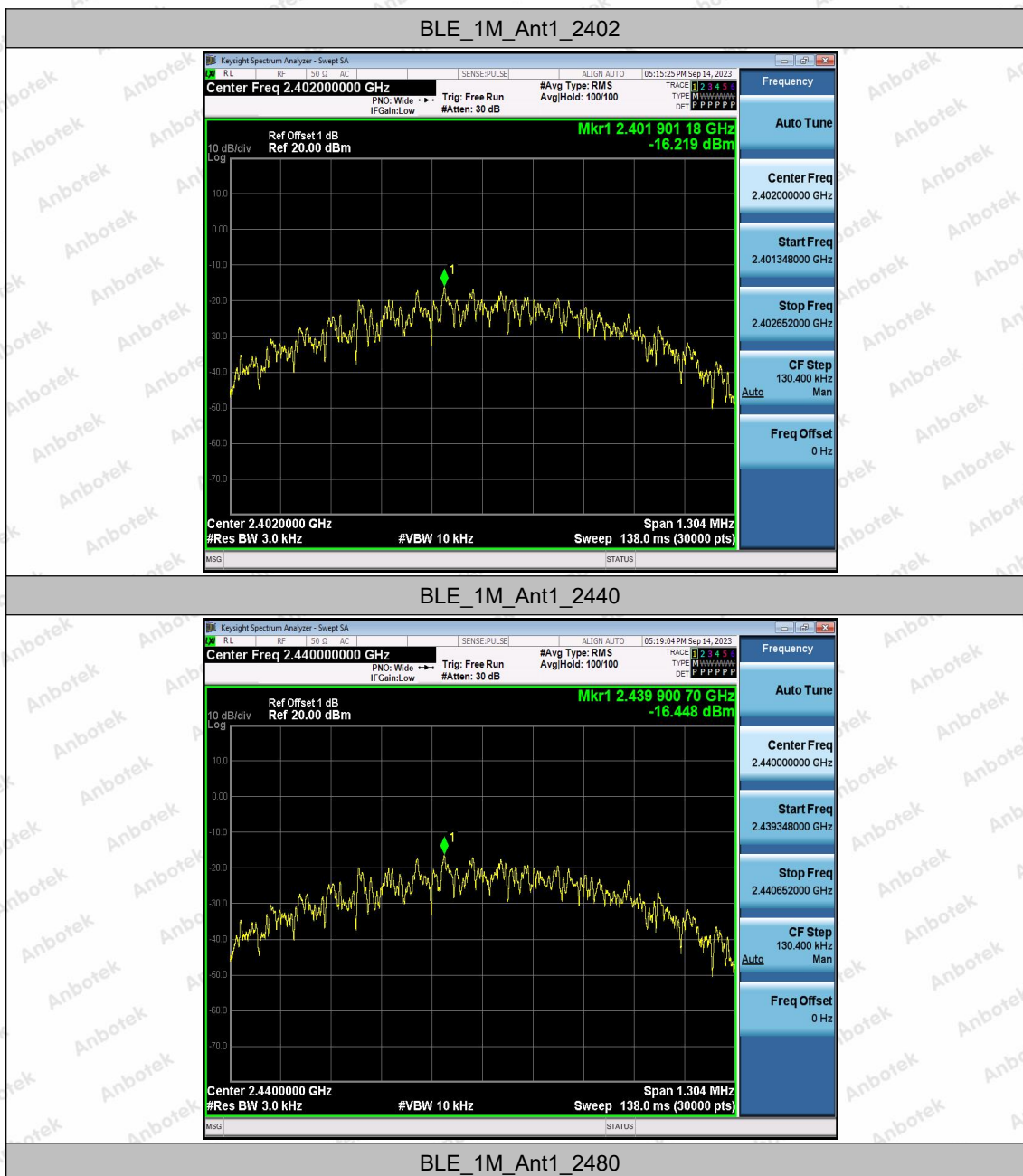
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-16.22	≤8.00	PASS
		2440	-16.45	≤8.00	PASS
		2480	-16.94	≤8.00	PASS



Test Graphs



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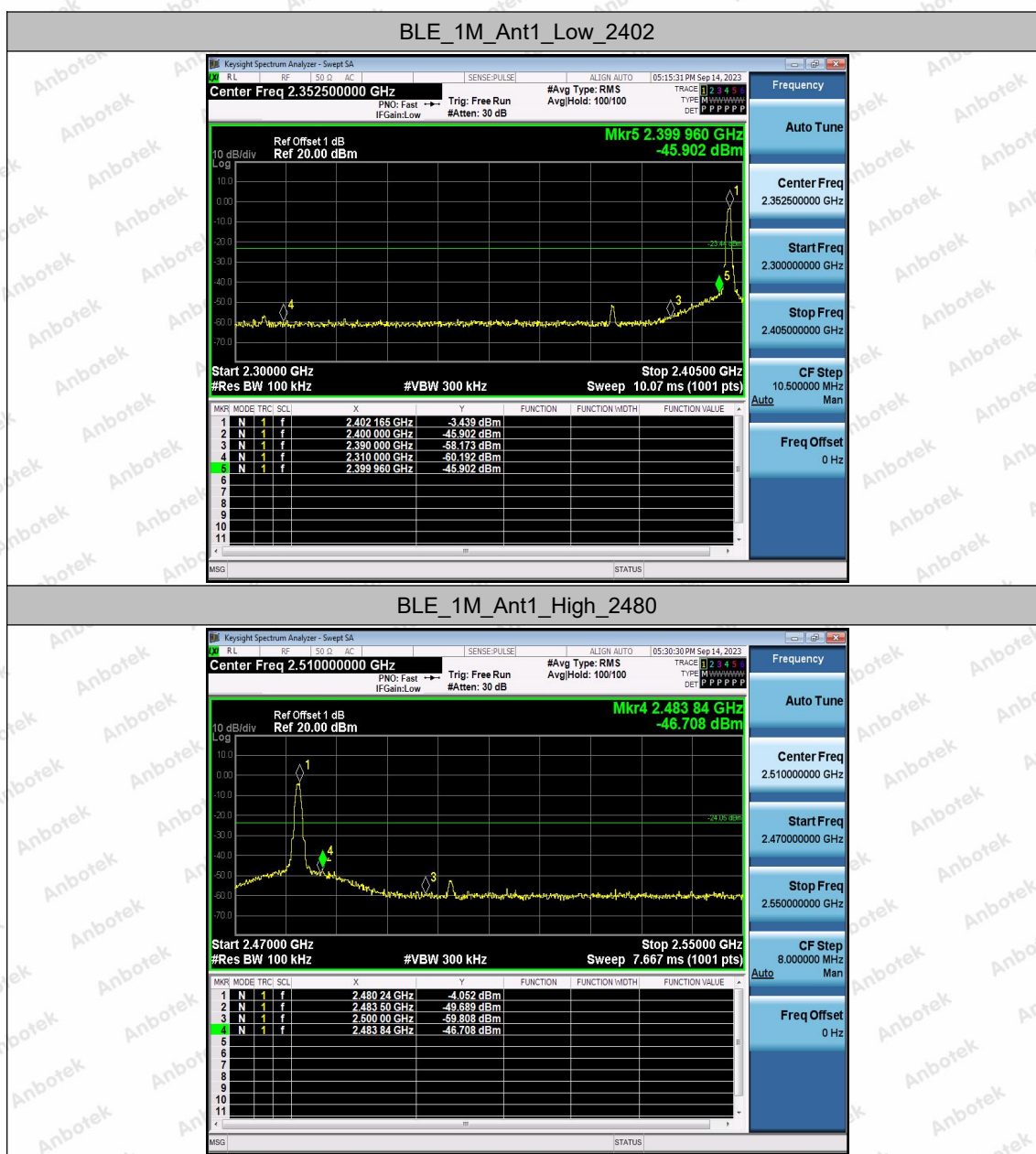


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-3.44	-45.9	≤-23.44	PASS
		High	2480	-4.05	-46.71	≤-24.05	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	-4.81	-4.81	---	PASS
			30~1000	-4.81	-68.70	≤-24.81	PASS
			1000~26500	-4.81	-45.67	≤-24.81	PASS
		2440	Reference	-3.85	-3.85	---	PASS
			30~1000	-3.85	-69.38	≤-23.85	PASS
			1000~26500	-3.85	-46.62	≤-23.85	PASS
		2480	Reference	-4.80	-4.80	---	PASS
			30~1000	-4.80	-68.85	≤-24.8	PASS
			1000~26500	-4.80	-46.76	≤-24.8	PASS



Test Graphs



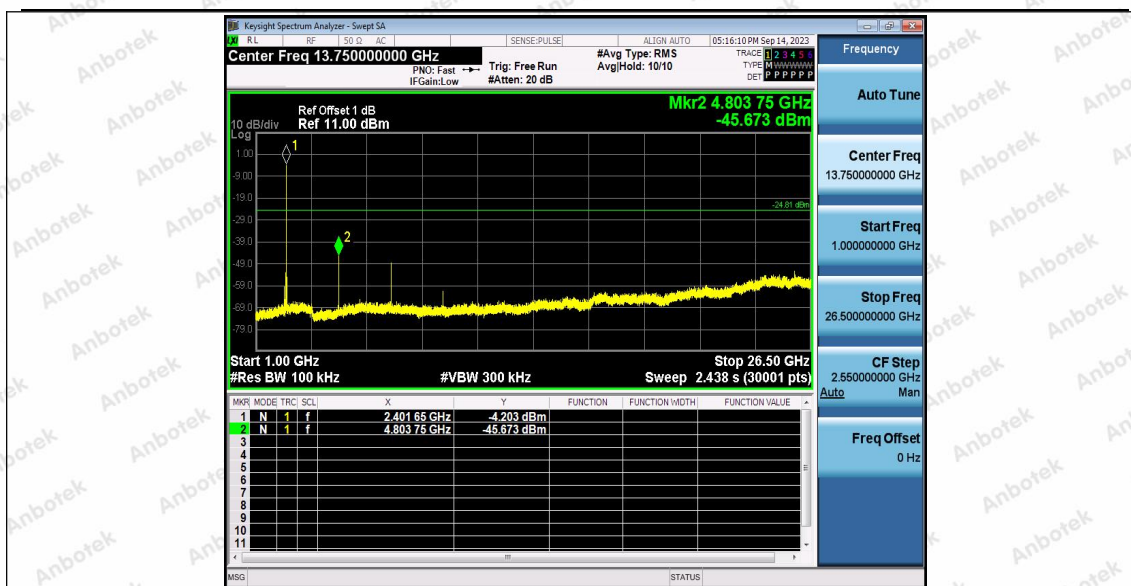
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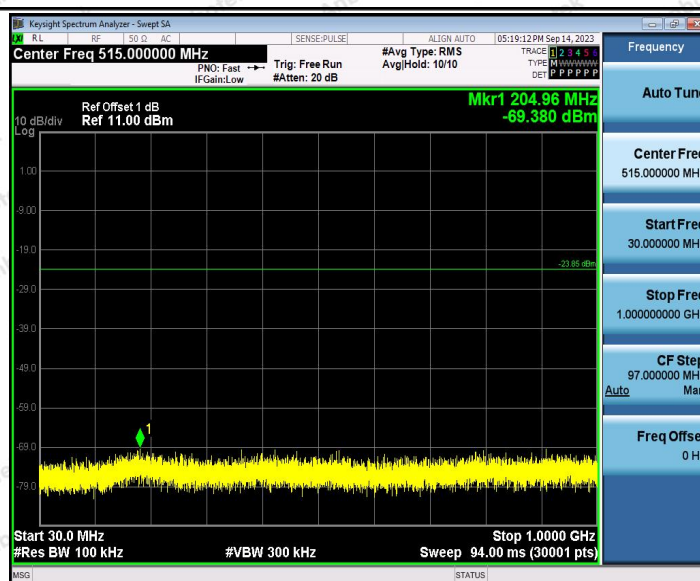


BLE_1M_Ant1_2440_0~Reference

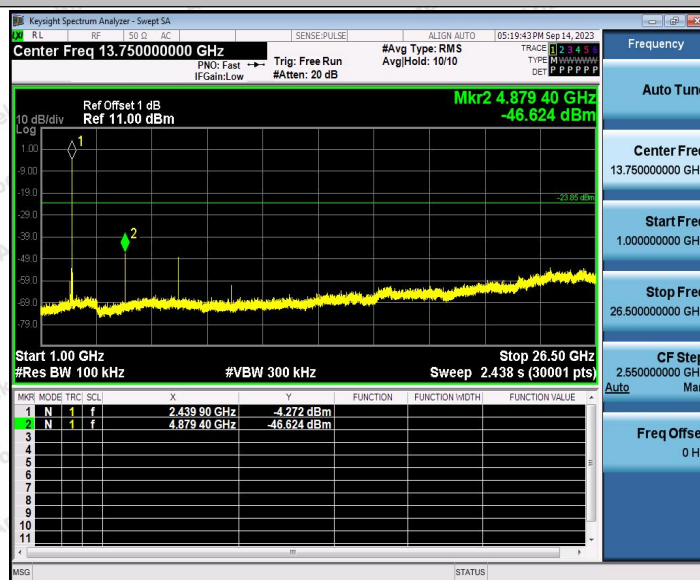


BLE_1M_Ant1_2440_30~1000





BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

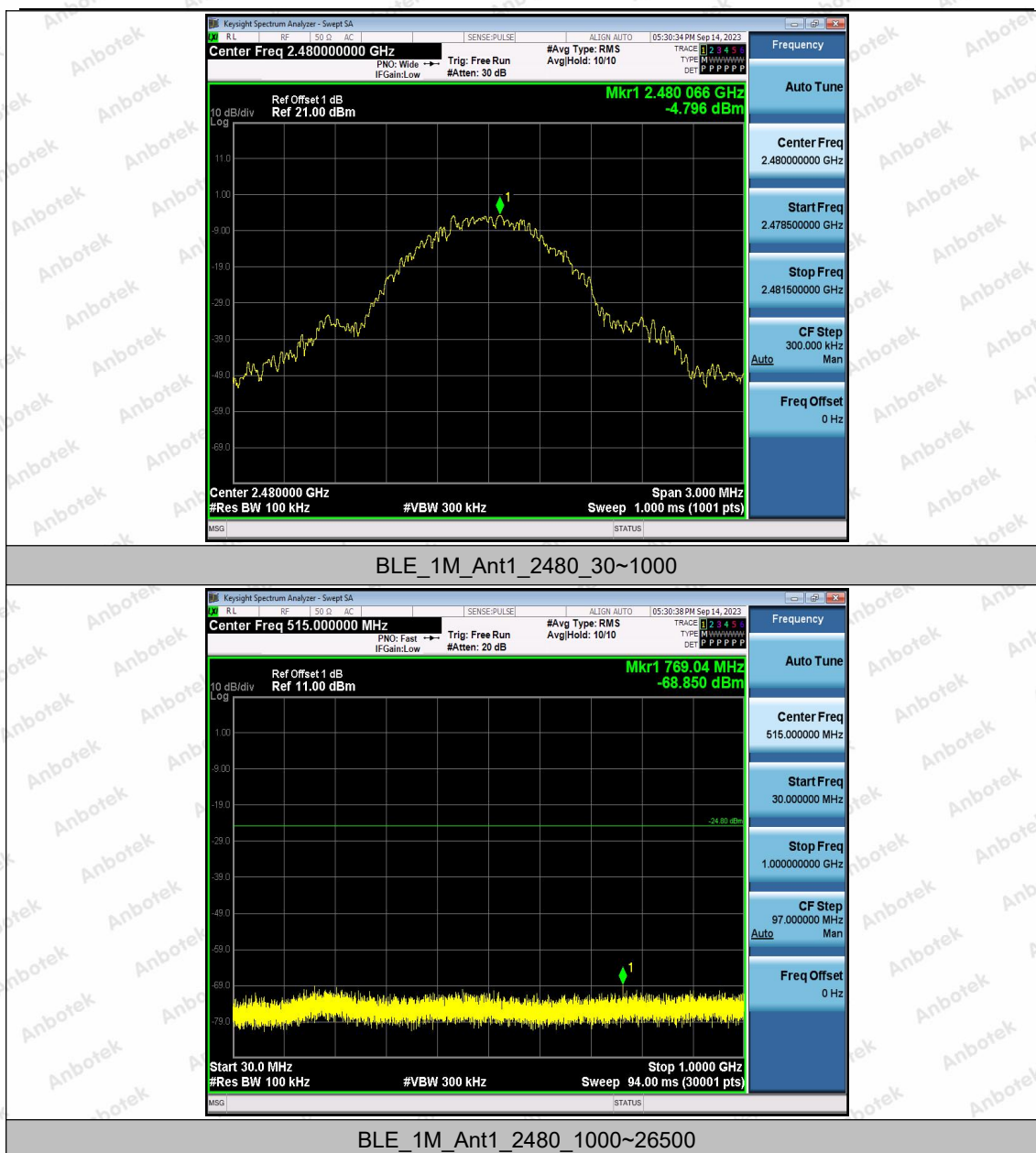
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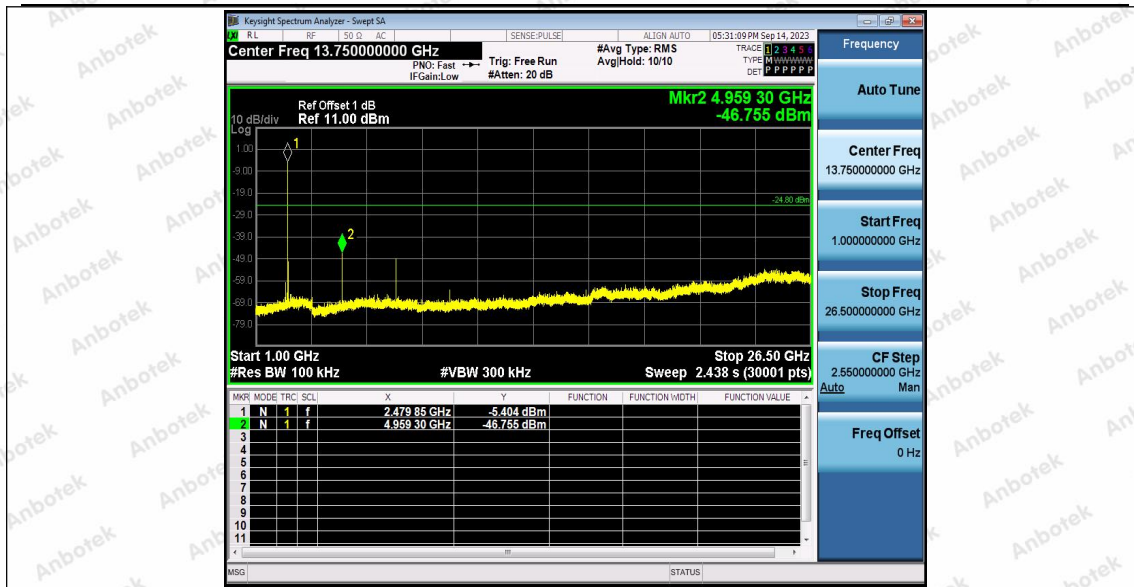
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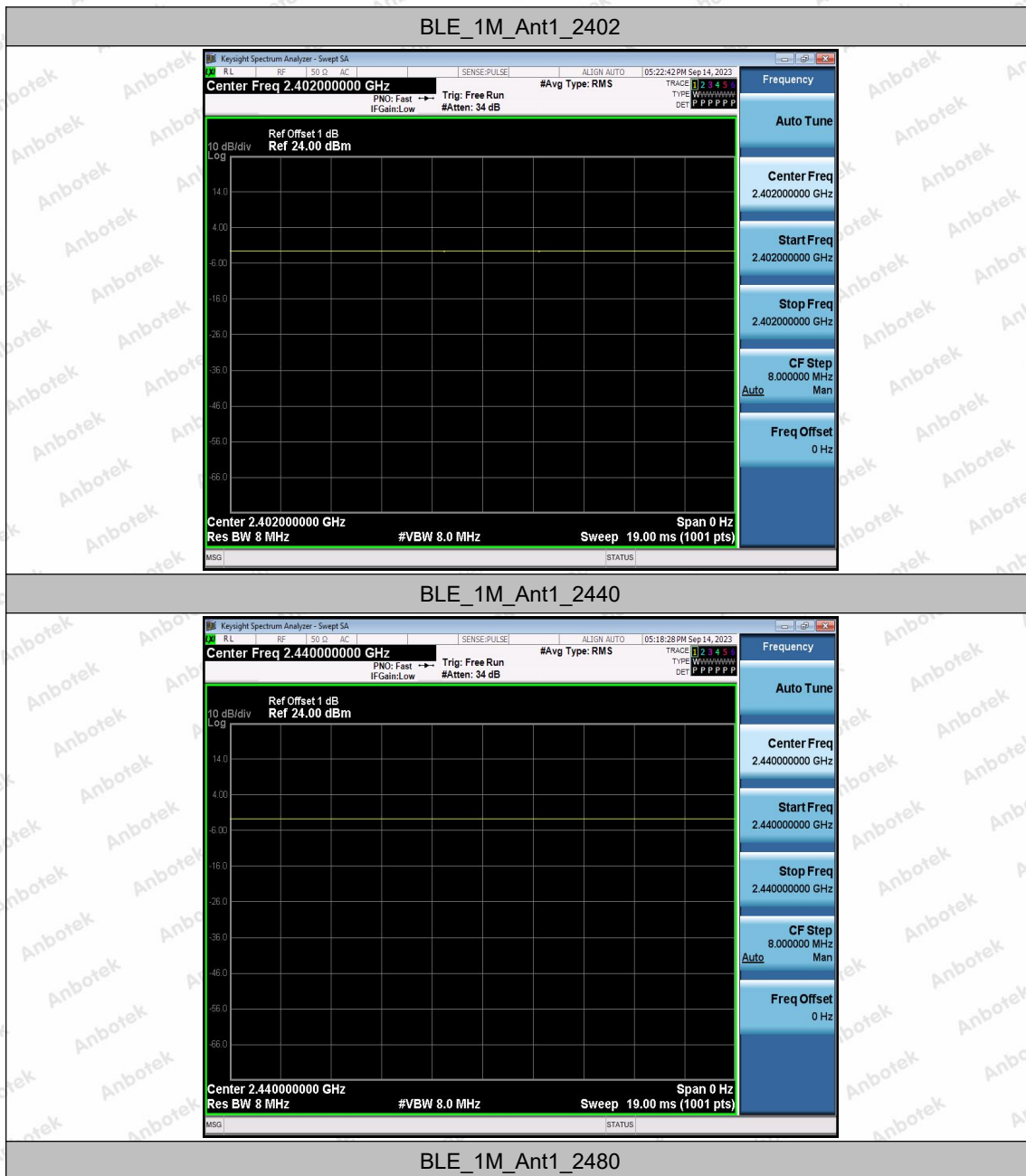
Appendix G: Duty Cycle

Test Result

Test Mode	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



Test Graphs



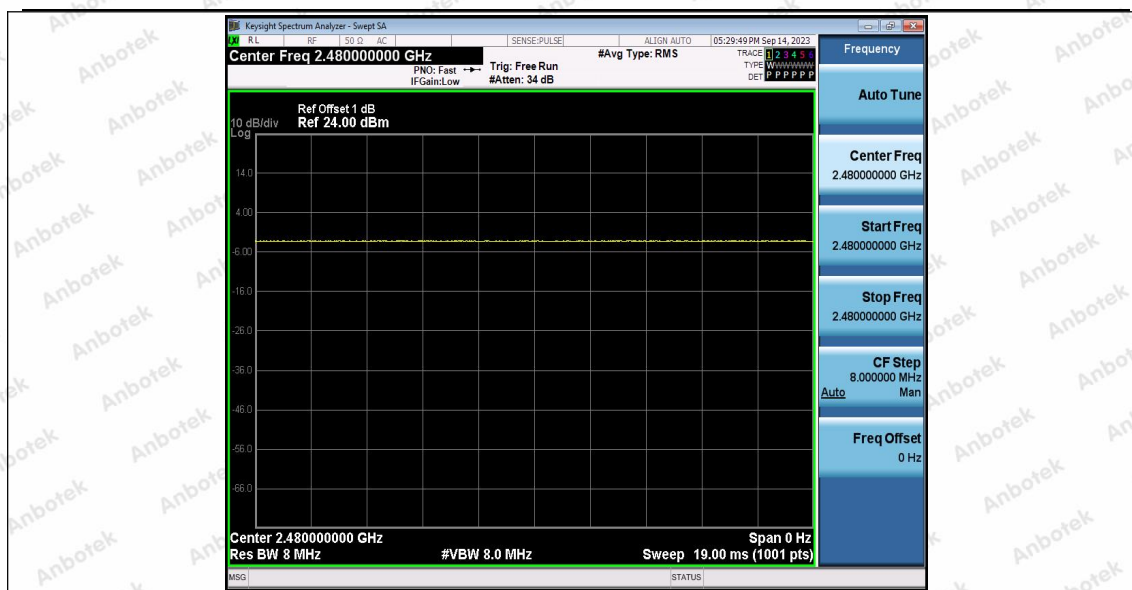
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