

Appendix Test Data

Report No.:	18220WC40002901	Test Sample No.:	1-2-2
Start Test Date:	2024.1.19	Finish Test Date:	2024.1.19
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.6°C	Relative Humidity:	45%
Pressure:	101kPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.800	2401.616	2402.416	0.5	PASS
		2440	0.760	2439.636	2440.396	0.5	PASS
		2480	0.768	2479.620	2480.388	0.5	PASS

Test Graphs





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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	1.1749	2401.3949	2402.5698
		2440	1.1881	2439.3684	2440.5565
		2480	1.2043	2479.3625	2480.5668

Test Graphs



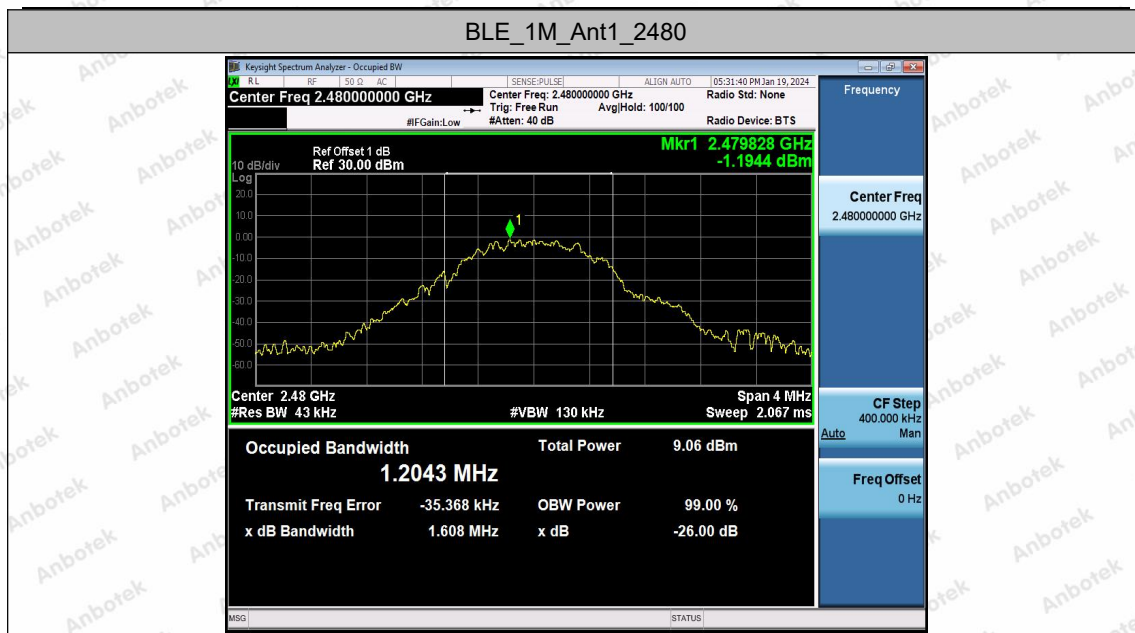
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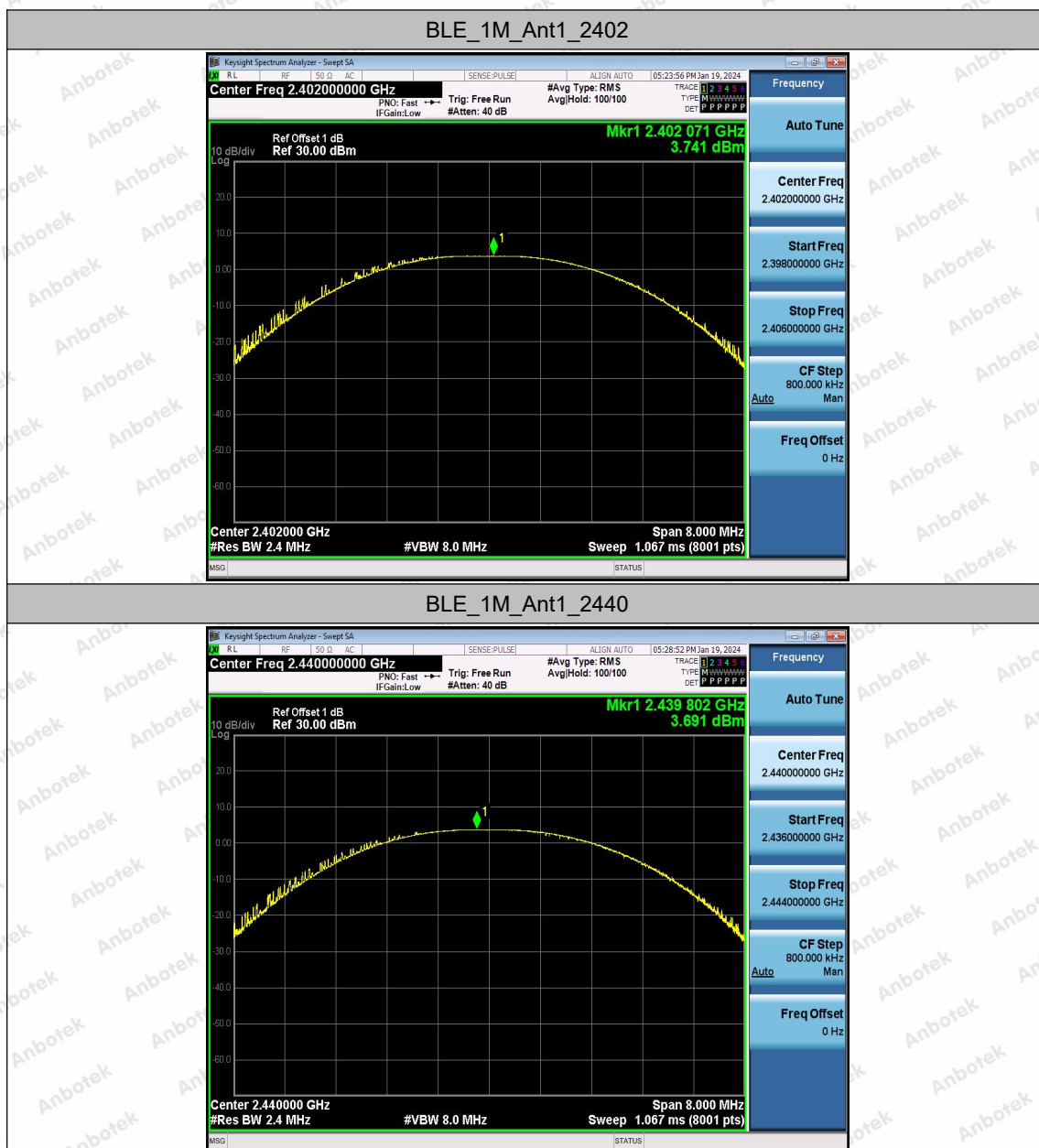


Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	3.74	≤30	PASS
		2440	3.69	≤30	PASS
		2480	3.68	≤30	PASS

Test Graphs Peak



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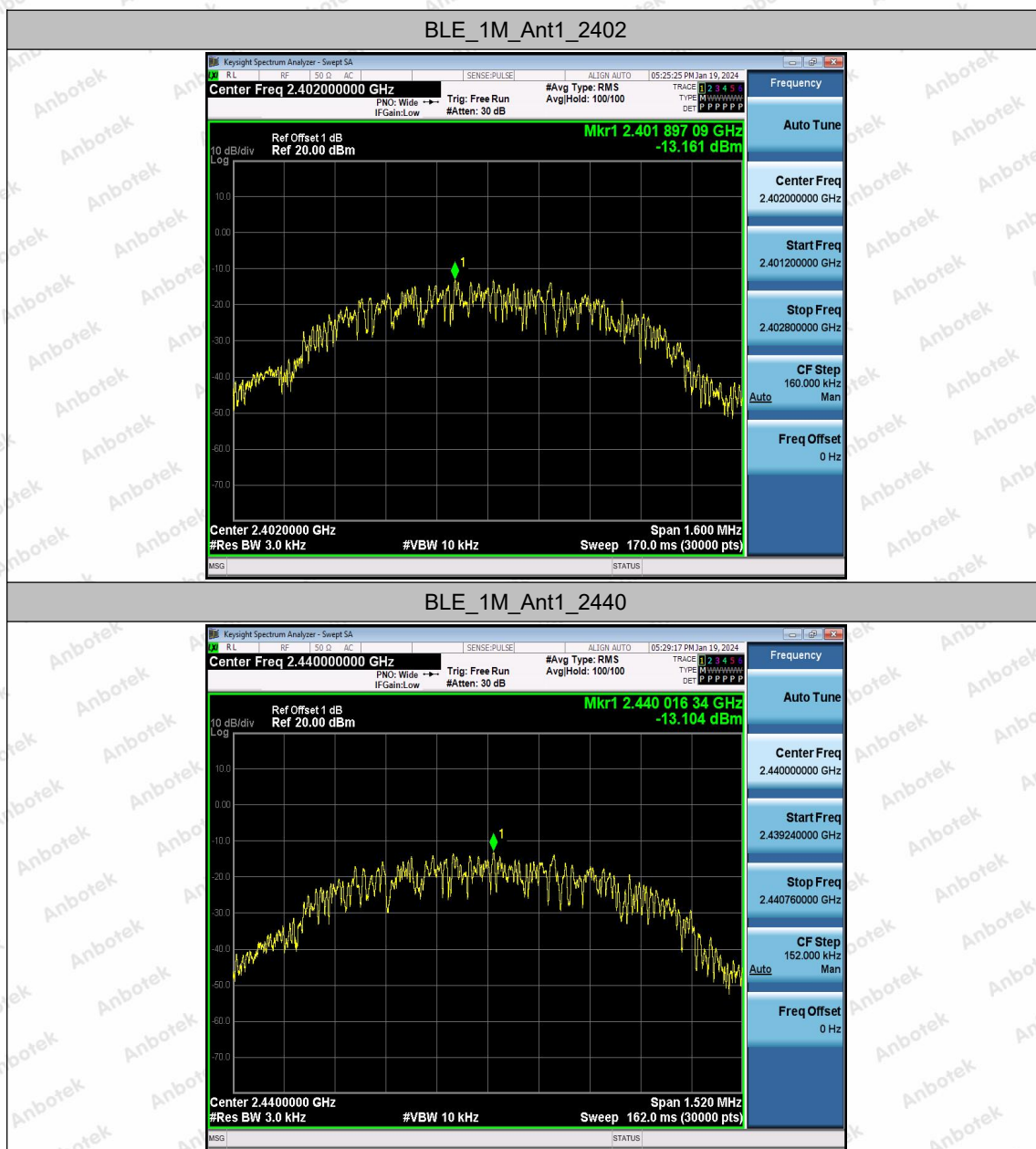


Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.16	≤8.00	PASS
		2440	-13.10	≤8.00	PASS
		2480	-12.51	≤8.00	PASS

Test Graphs



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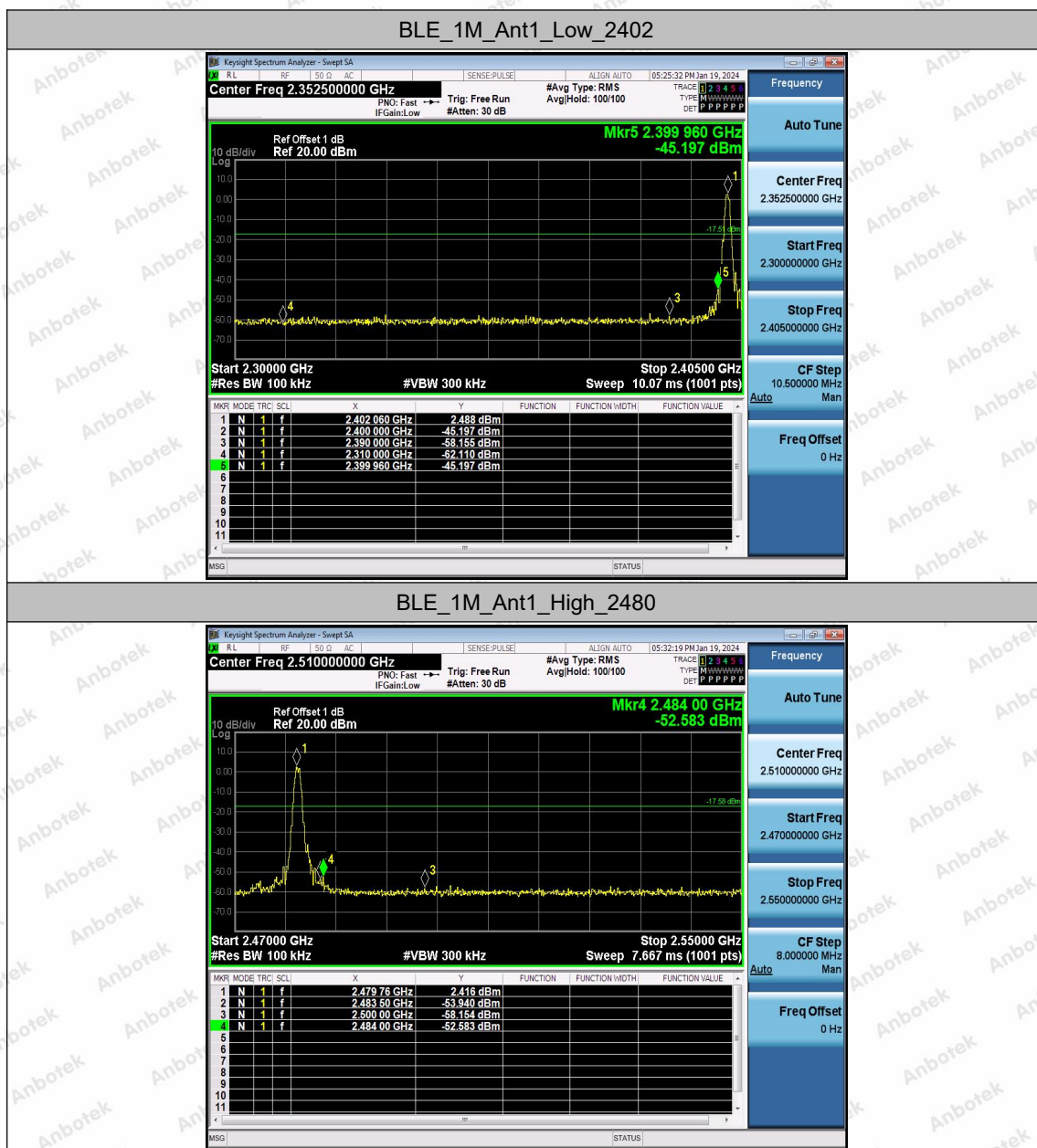


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	2.49	-45.2	≤-17.51	PASS
		High	2480	2.42	-52.58	≤-17.58	PASS

Test Graphs



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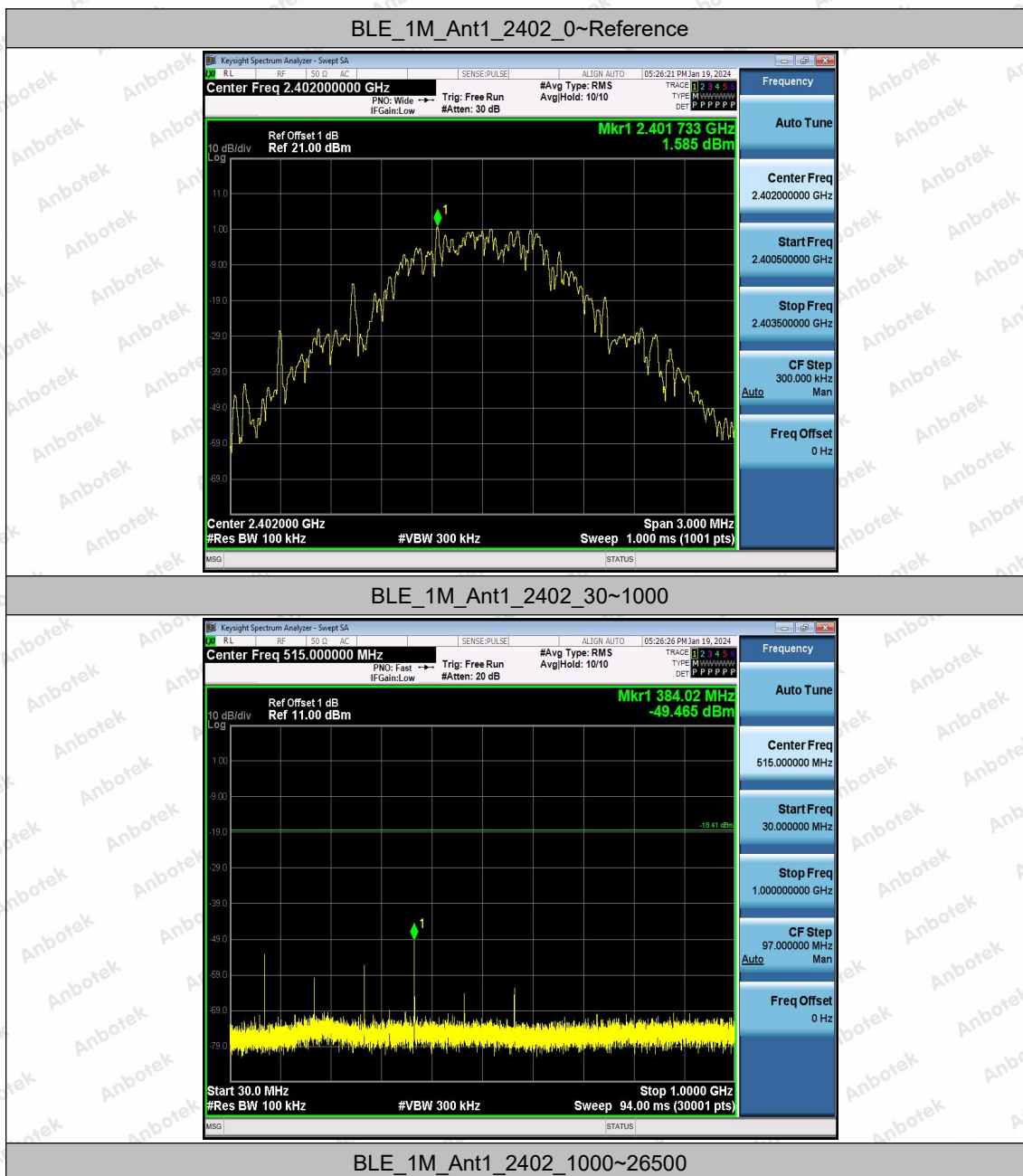
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	1.59	1.59	---	PASS
			30~1000	1.59	-49.47	≤-18.41	PASS
			1000~26500	1.59	-36.65	≤-18.41	PASS
		2440	Reference	1.36	1.36	---	PASS
			30~1000	1.36	-49.46	≤-18.64	PASS
			1000~26500	1.36	-39.38	≤-18.64	PASS
		2480	Reference	1.54	1.54	---	PASS
			30~1000	1.54	-49.39	≤-18.46	PASS
			1000~26500	1.54	-34.69	≤-18.46	PASS



Test Graphs



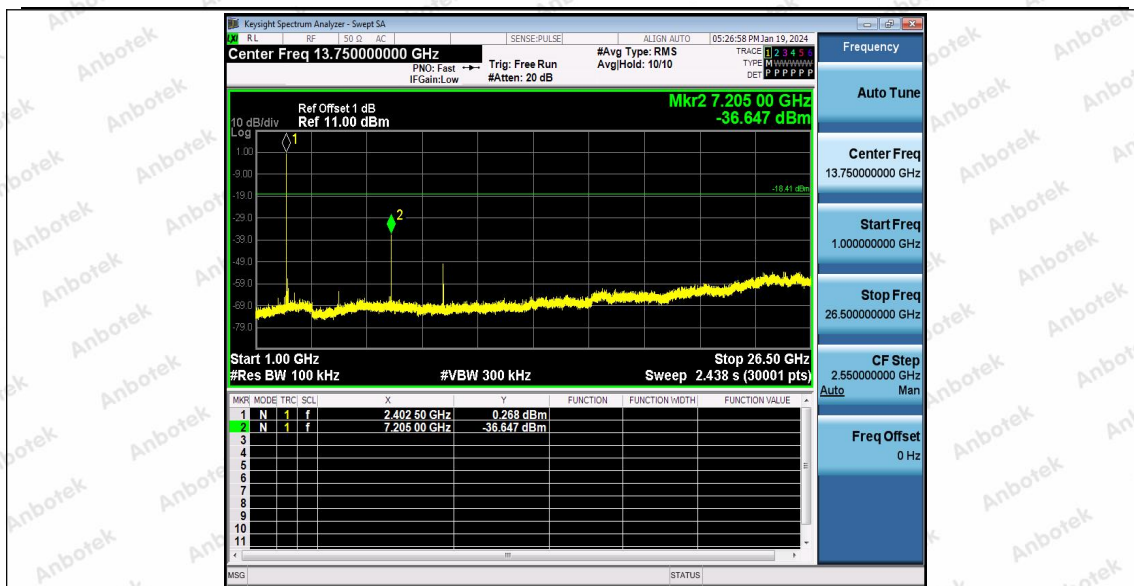
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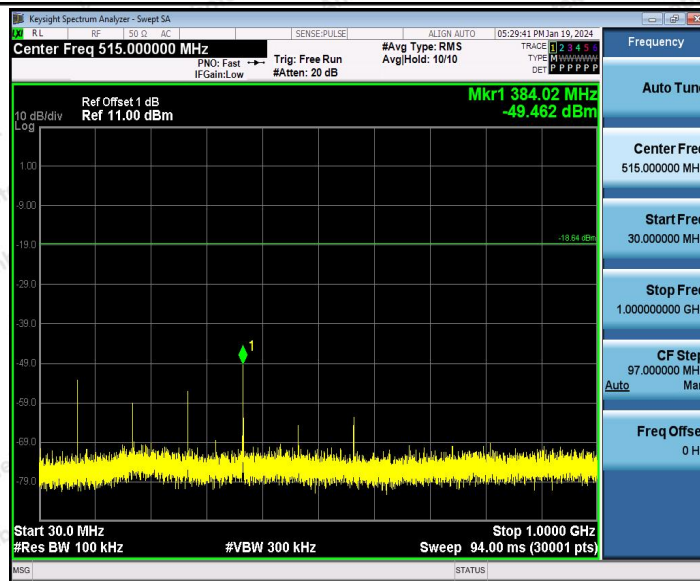


BLE_1M_Ant1_2440_0~Reference

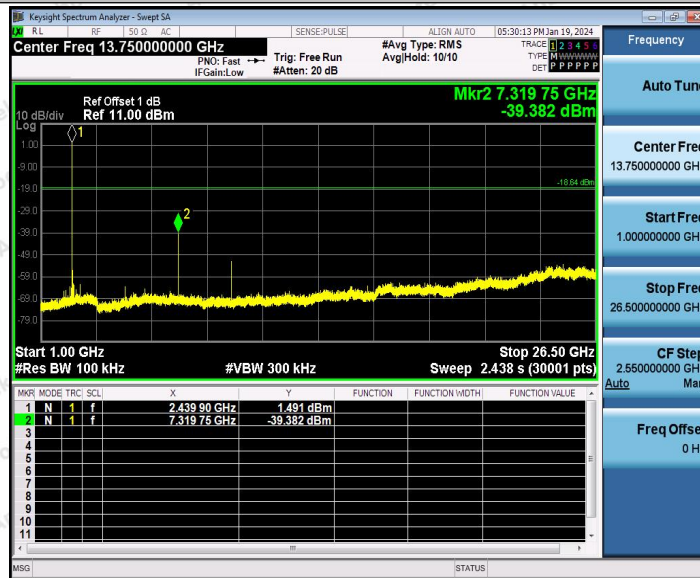


BLE_1M_Ant1_2440_30~1000





BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

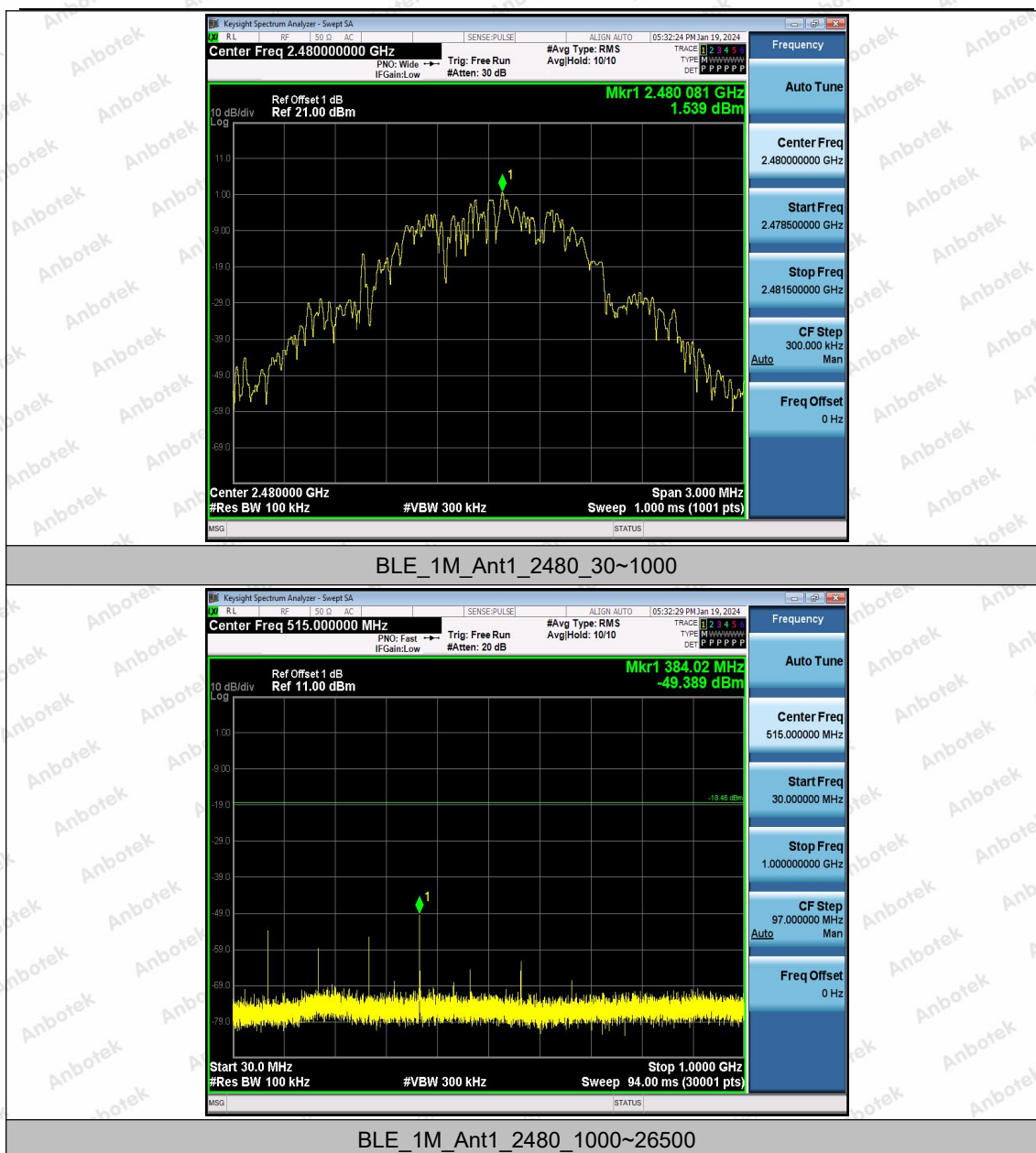
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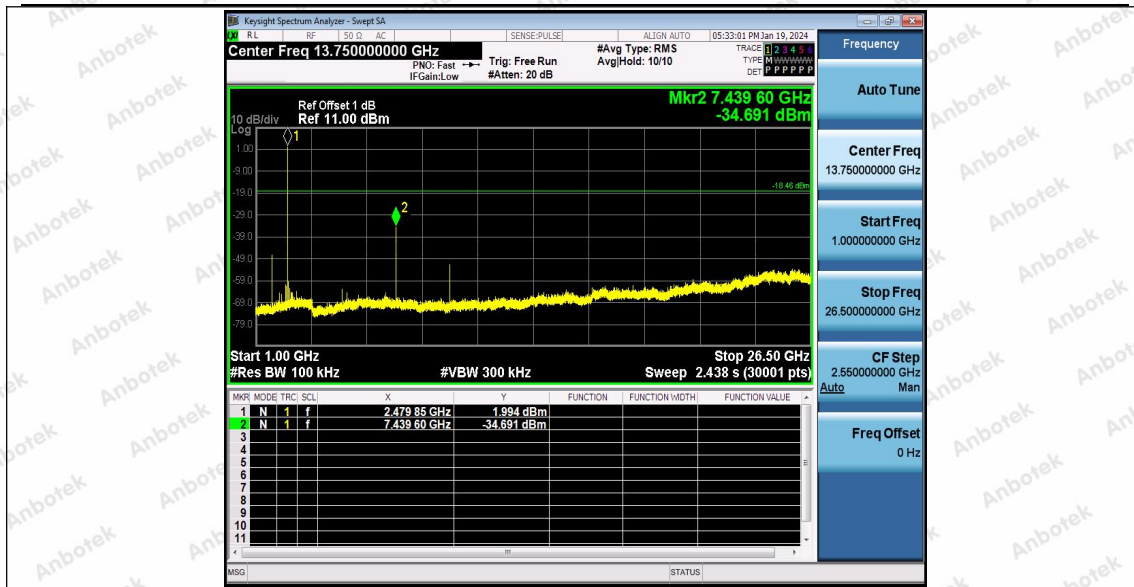
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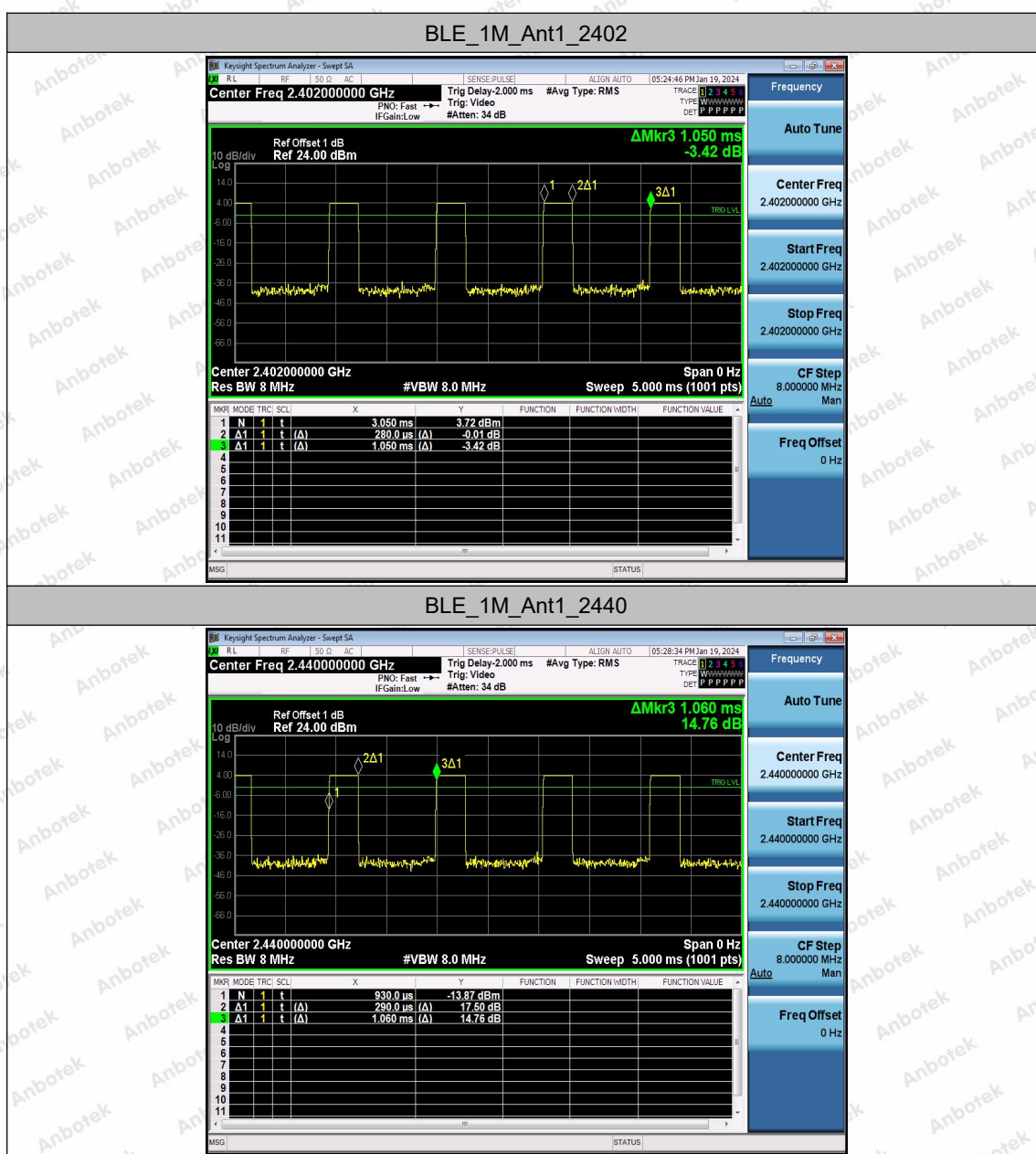


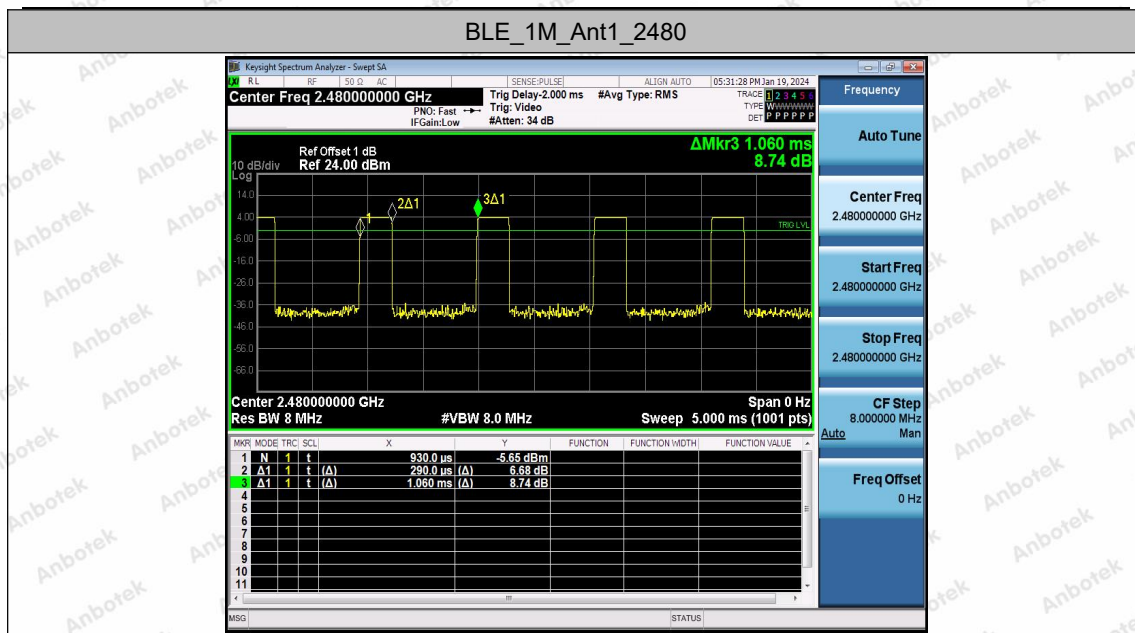
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.28	1.05	26.67	5.74
		2440	0.29	1.06	27.36	5.63
		2480	0.29	1.06	27.36	5.63

Test Graphs





---end---

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