

Appendix Test Data

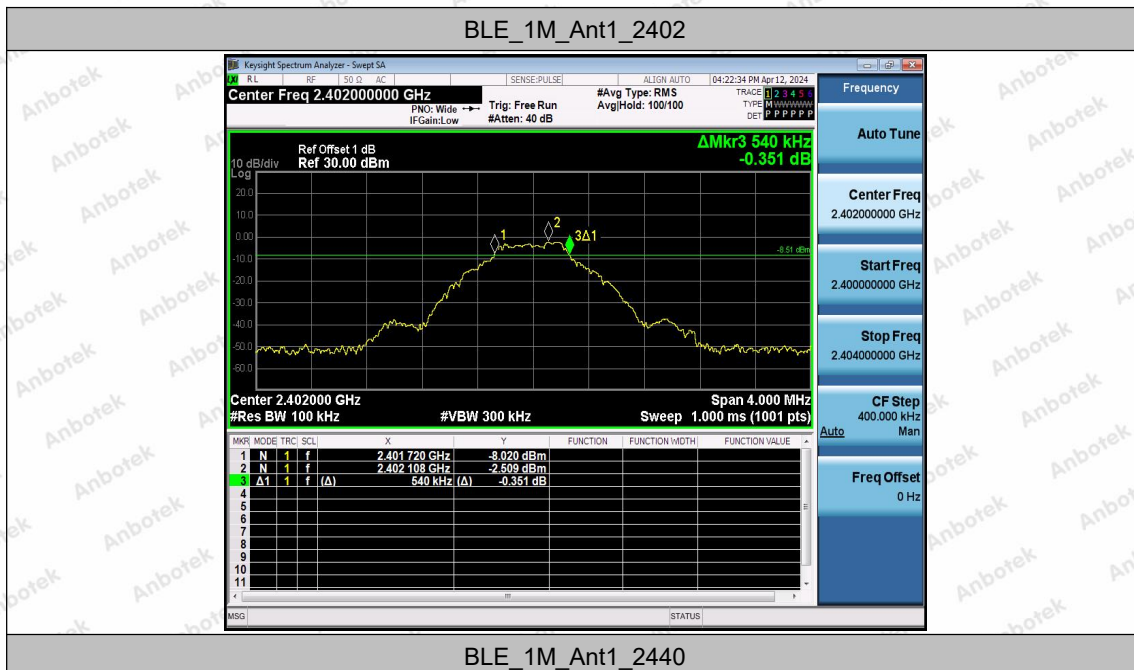
Report No.:	18220WC40063801	Test Sample No.:	1-2-2
Start Test Date:	2024.04.10	Finish Test Date:	2024.04.12
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	25.3°C	Relative Humidity:	44%
Pressure:	101kPa		

Appendix A: 6dB Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.540	2401.720	2402.260	0.5	PASS
		2440	0.576	2439.724	2440.300	0.5	PASS
		2480	0.560	2479.712	2480.272	0.5	PASS

Test Graphs





BLE_1M_Ant1_2480



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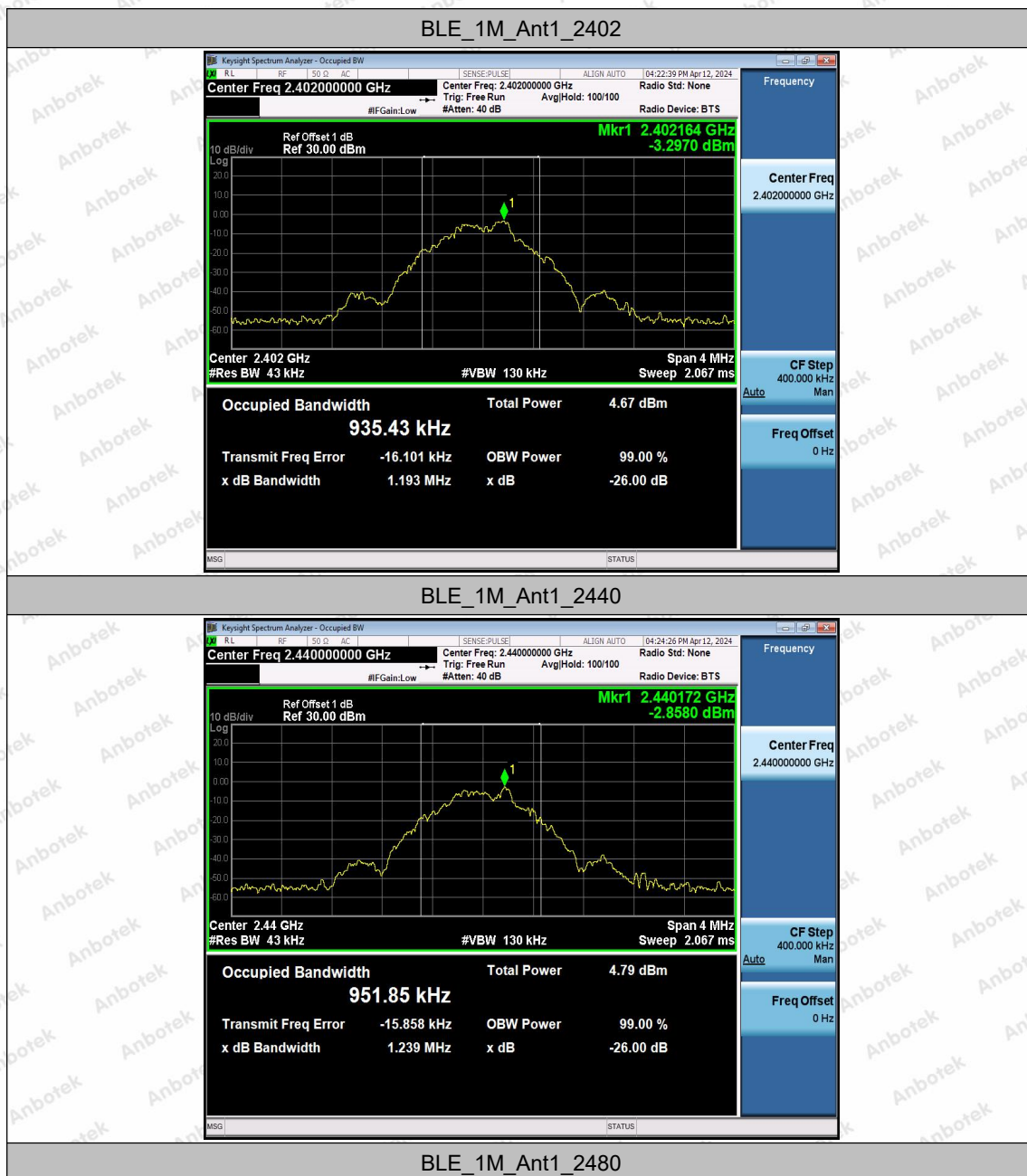


Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.93543	2401.5162	2402.4516	---	---
		2440	0.95185	2439.5082	2440.4601	---	---
		2480	1.0712	2479.5087	2480.5799	---	---

Test Graphs



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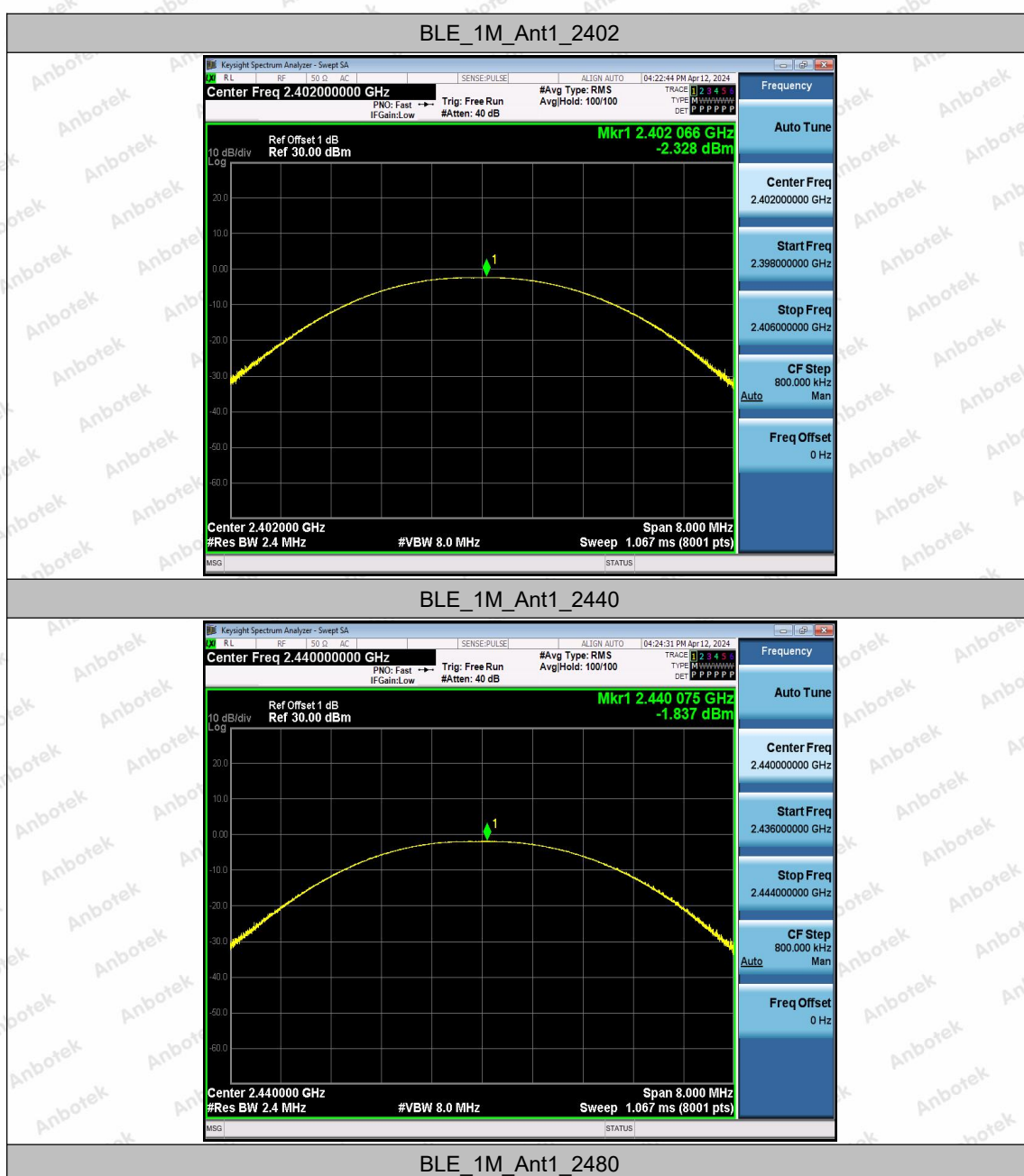


Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-2.33	≤30	PASS
		2440	-1.84	≤30	PASS
		2480	-1.34	≤30	PASS

Test Graphs Peak



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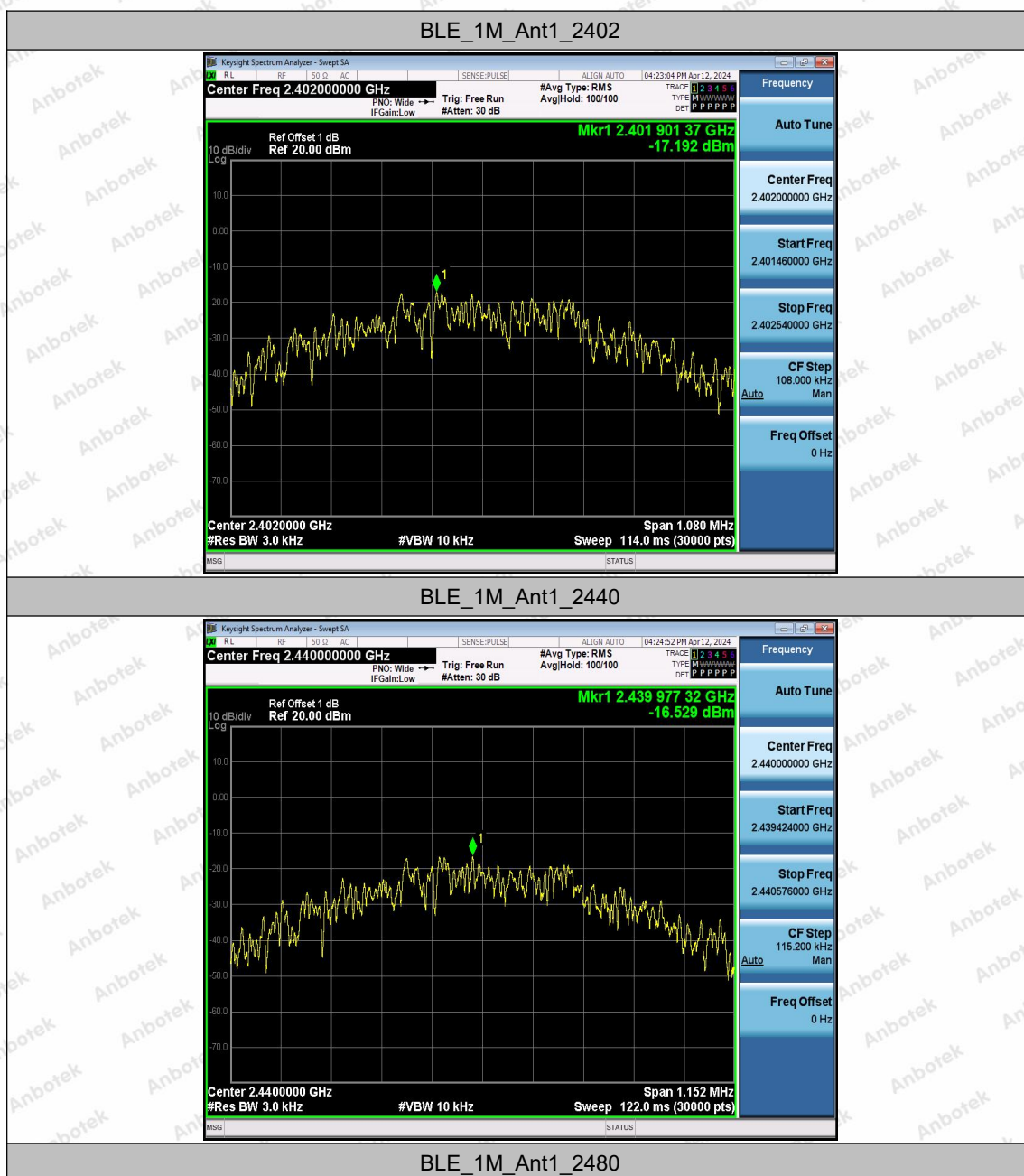


Appendix D: Maximum Power Spectral Density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-17.19	≤8.00	PASS
		2440	-16.53	≤8.00	PASS
		2480	-15.75	≤8.00	PASS

Test Graphs



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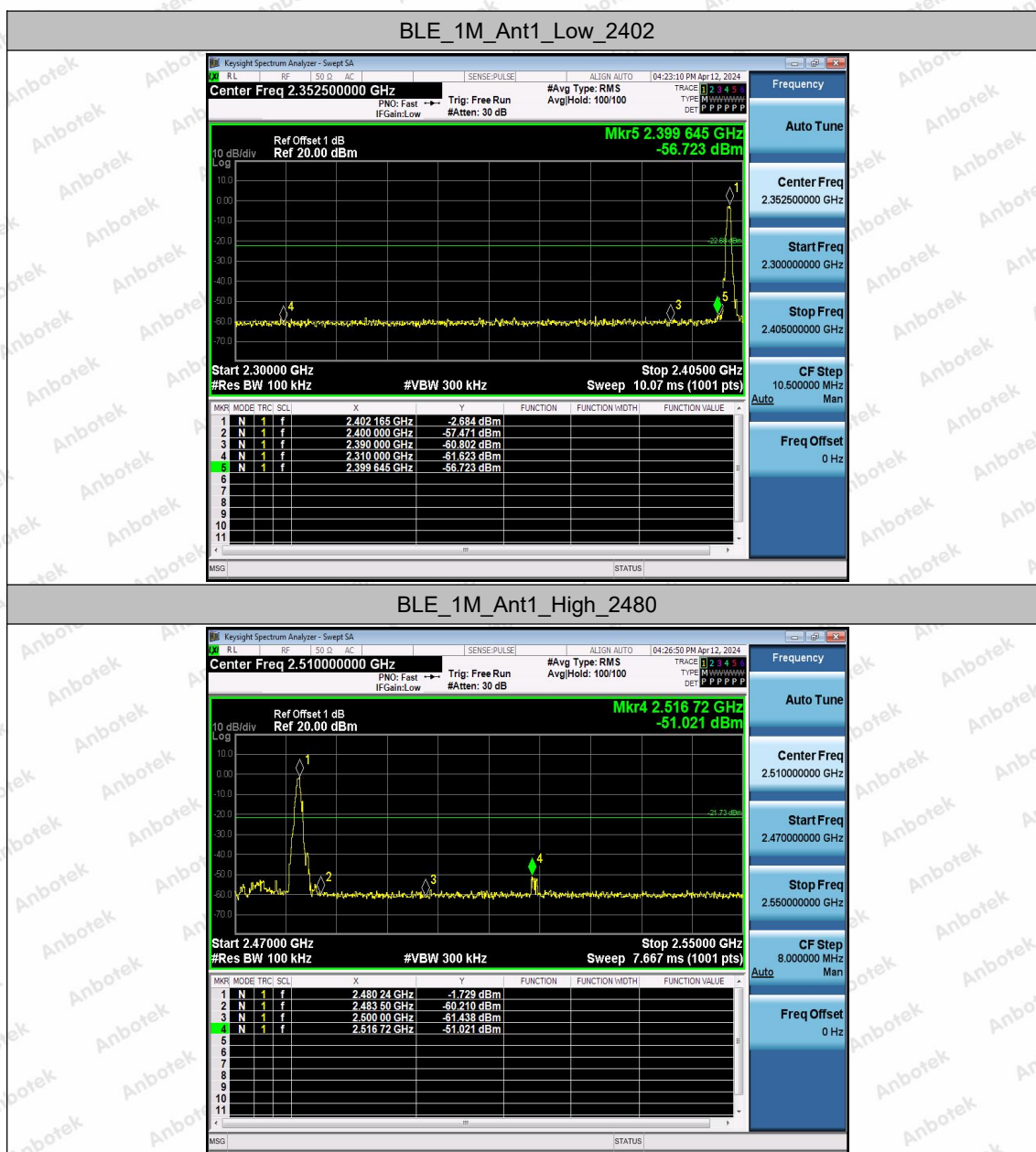


Appendix E: Conducted Band edge

Test Result

Test Mode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-2.68	-56.72	≤-22.68	PASS
		High	2480	-1.73	-51.02	≤-21.73	PASS

Test Graphs

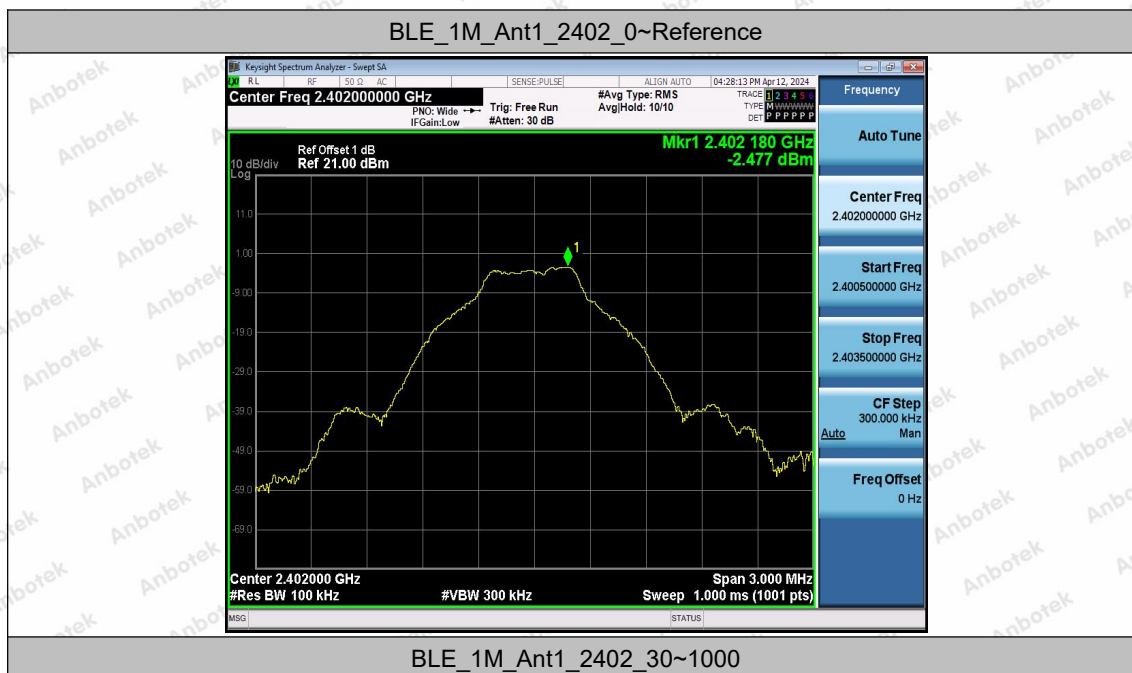


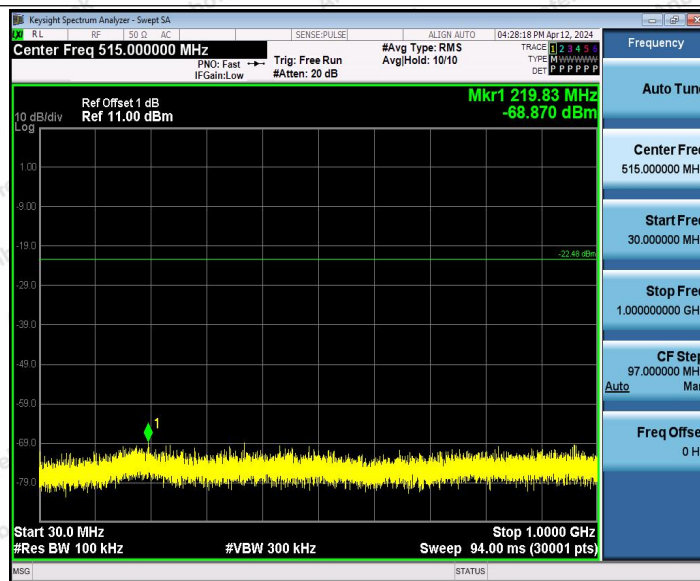
Appendix F: Conducted Spurious Emission

Test Result

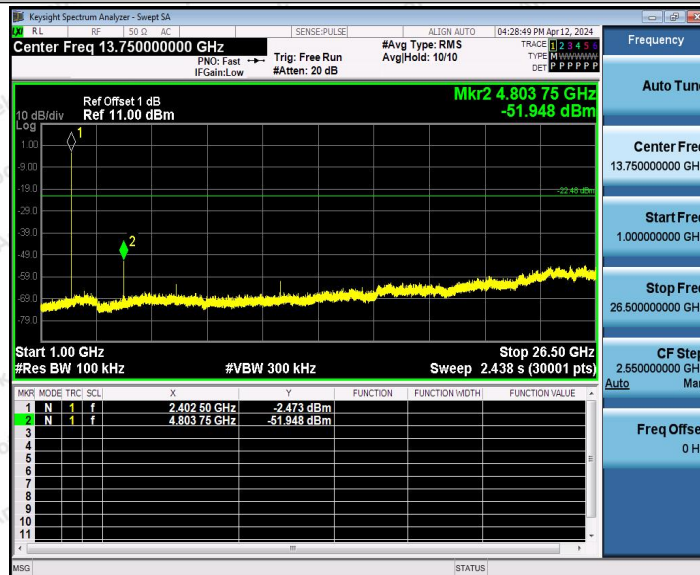
Test Mode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-2.48	-2.48	---	PASS
			30~1000	-2.48	-68.87	≤-22.48	PASS
			1000~26500	-2.48	-51.95	≤-22.48	PASS
		2440	Reference	-2.00	-2.00	---	PASS
			30~1000	-2.00	-68.93	≤-22	PASS
			1000~26500	-2.00	-52.48	≤-22	PASS
		2480	Reference	-1.48	-1.48	---	PASS
			30~1000	-1.48	-69.03	≤-21.48	PASS
			1000~26500	-1.48	-49.52	≤-21.48	PASS

Test Graphs





BLE_1M_Ant1_2402_1000~26500



BLE_1M_Ant1_2440_0~Reference

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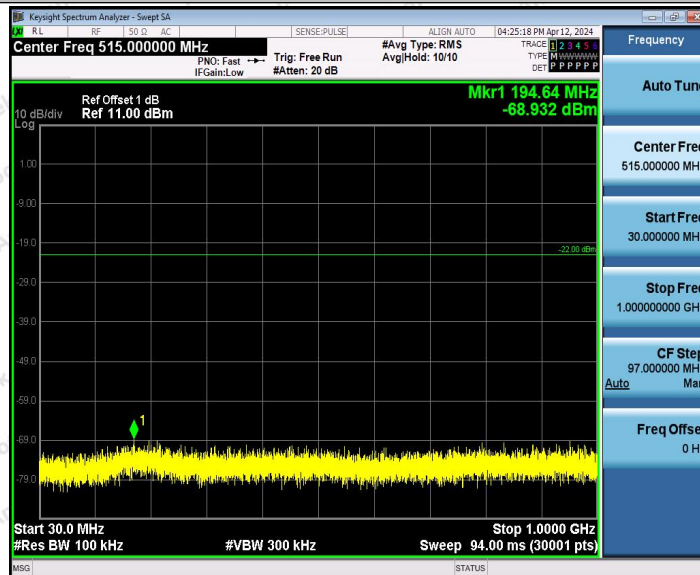


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BLE_1M_Ant1_2440_30~1000



BLE_1M_Ant1_2440_1000~26500

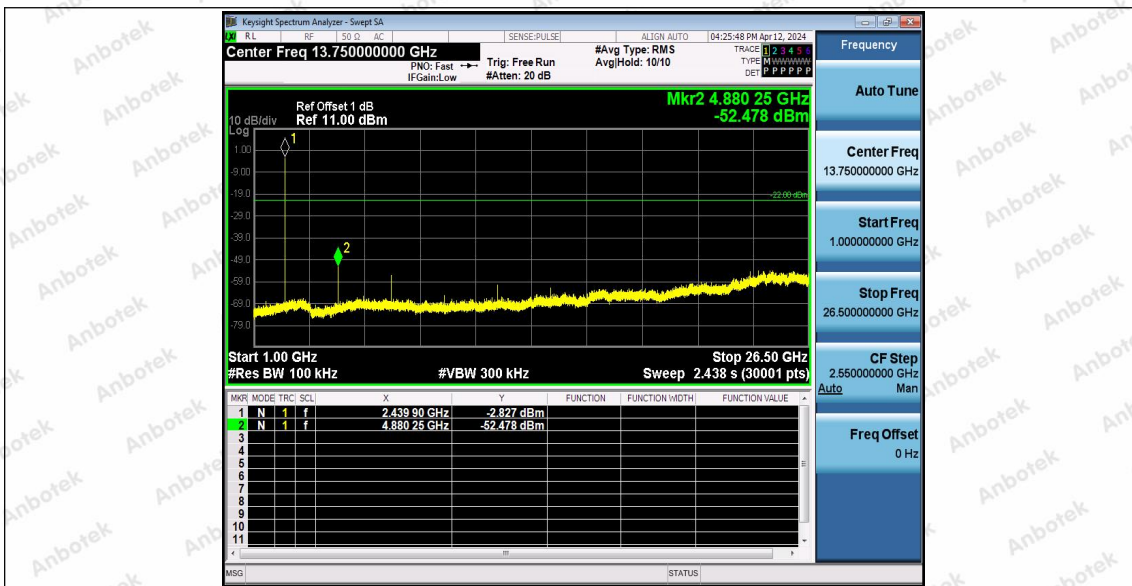
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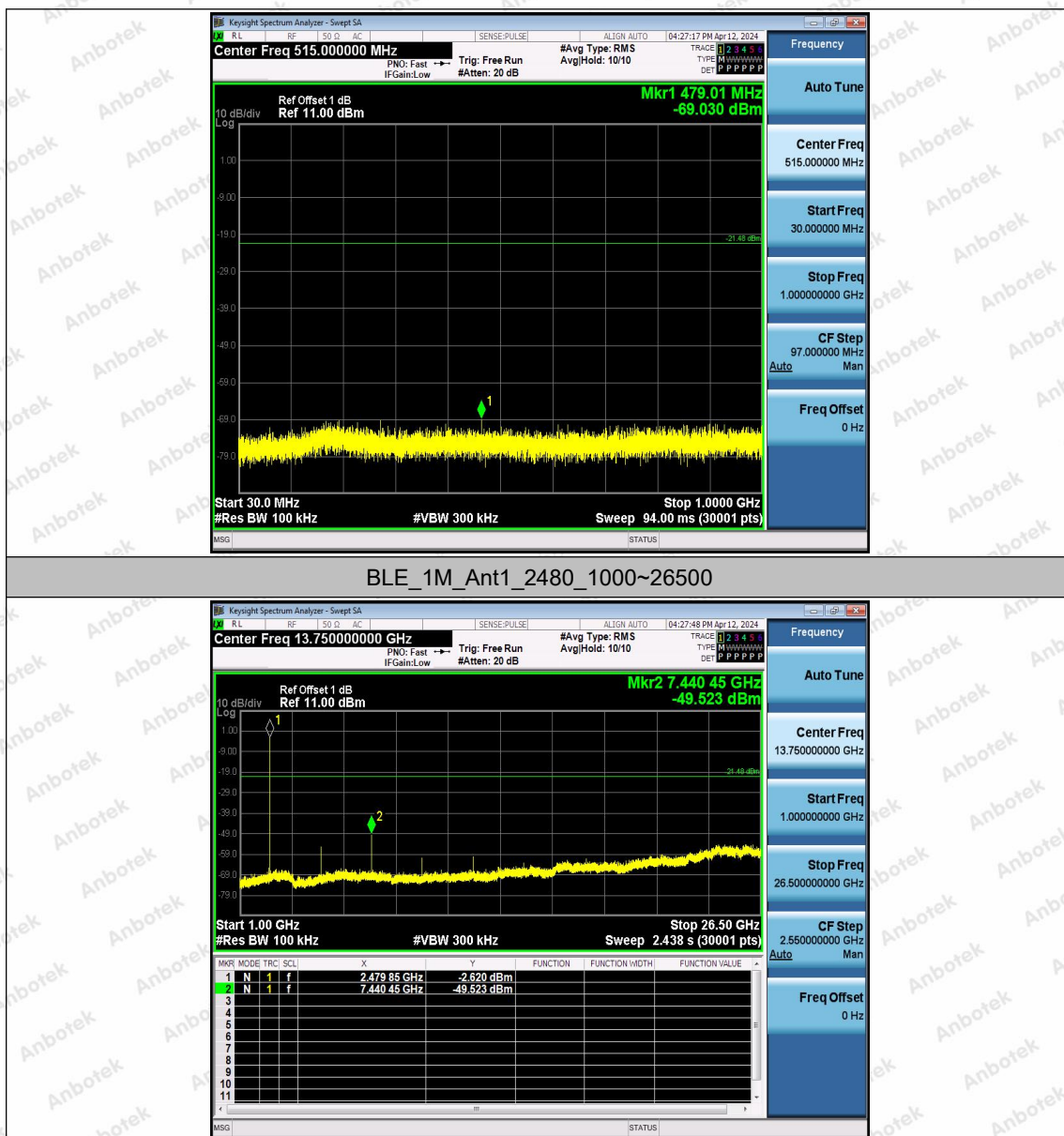


BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000





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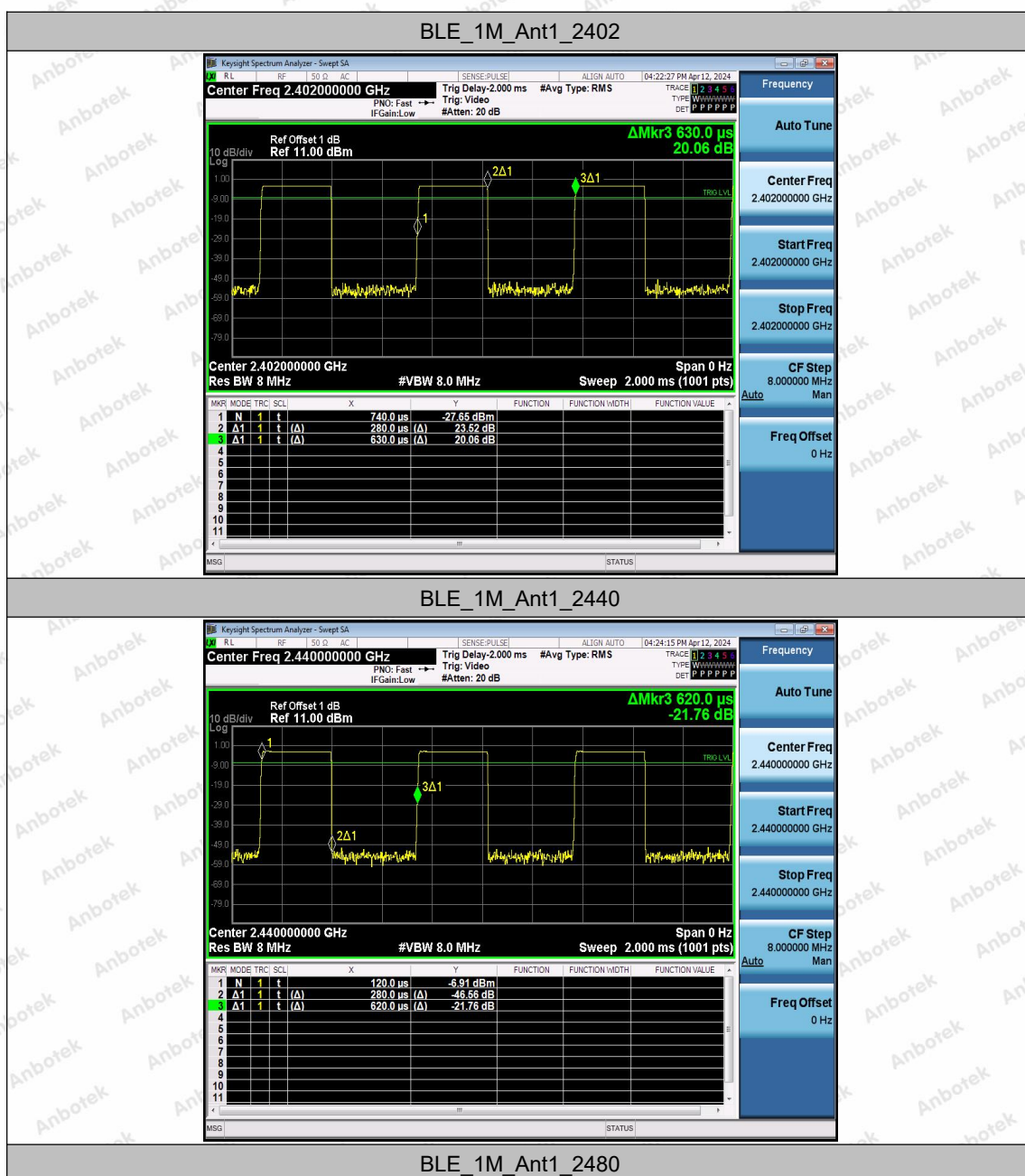


Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.28	0.63	44.44	3.52
		2440	0.28	0.62	45.16	3.45
		2480	0.28	0.62	45.16	3.45

Test Graphs



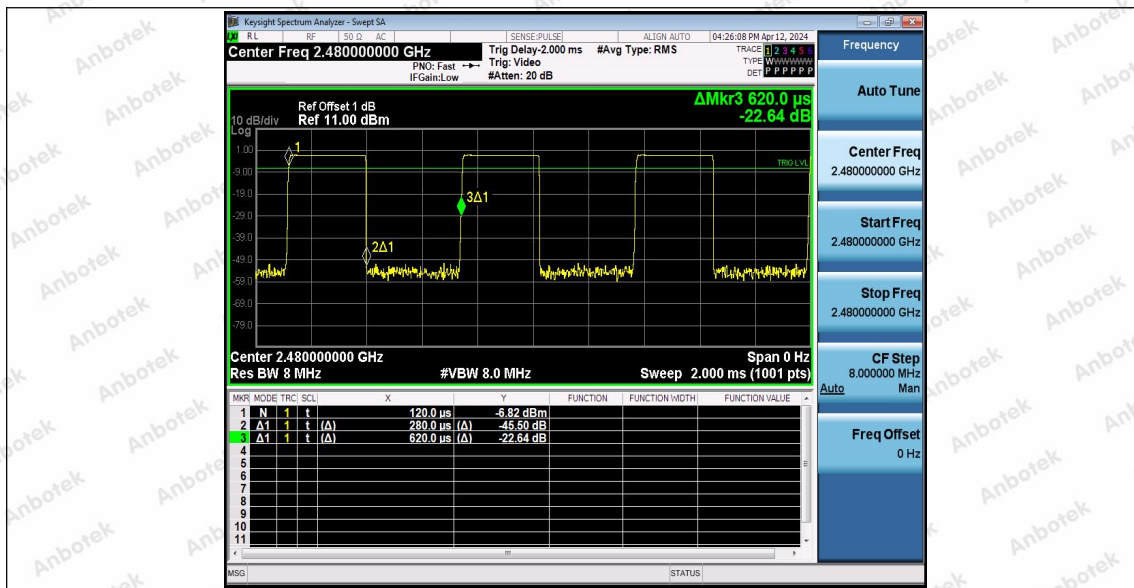
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Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
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