

Appendix Test Data

Report No.:	18220WC40044301	Test Sample No.:	1-2-2
Start Test Date:	2024.3.16	Finish Test Date:	2024.3.16
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	25°C	Relative Humidity:	48%
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	0.688	2401.664	2402.352	0.5	PASS
		2440	0.656	2439.668	2440.324	0.5	PASS
		2480	0.636	2479.672	2480.308	0.5	PASS

Test Graphs





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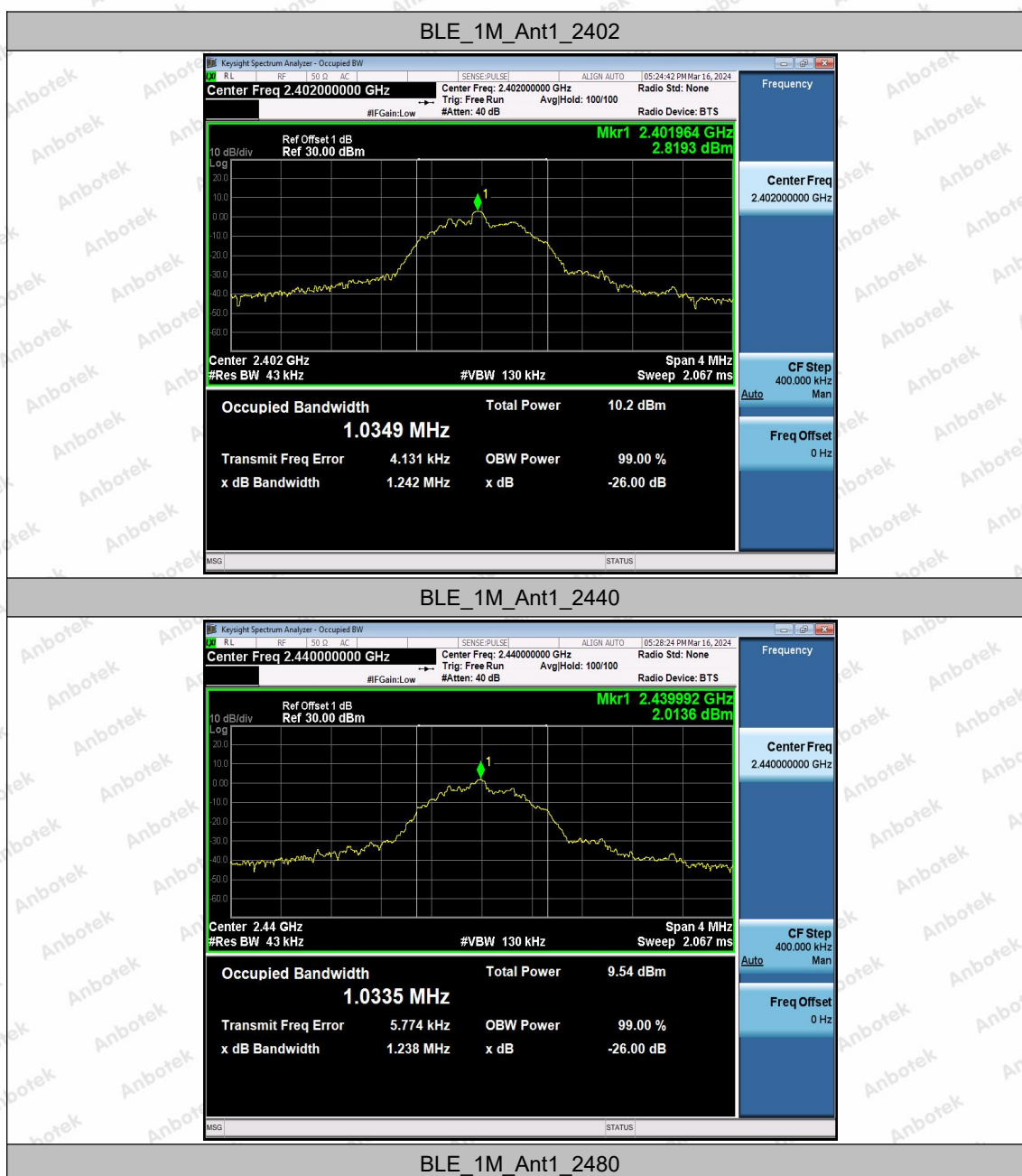


Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0349	2401.4867	2402.5216	---	---
		2440	1.0335	2439.4890	2440.5225	---	---
		2480	1.0316	2479.4864	2480.5180	---	---

Test Graphs





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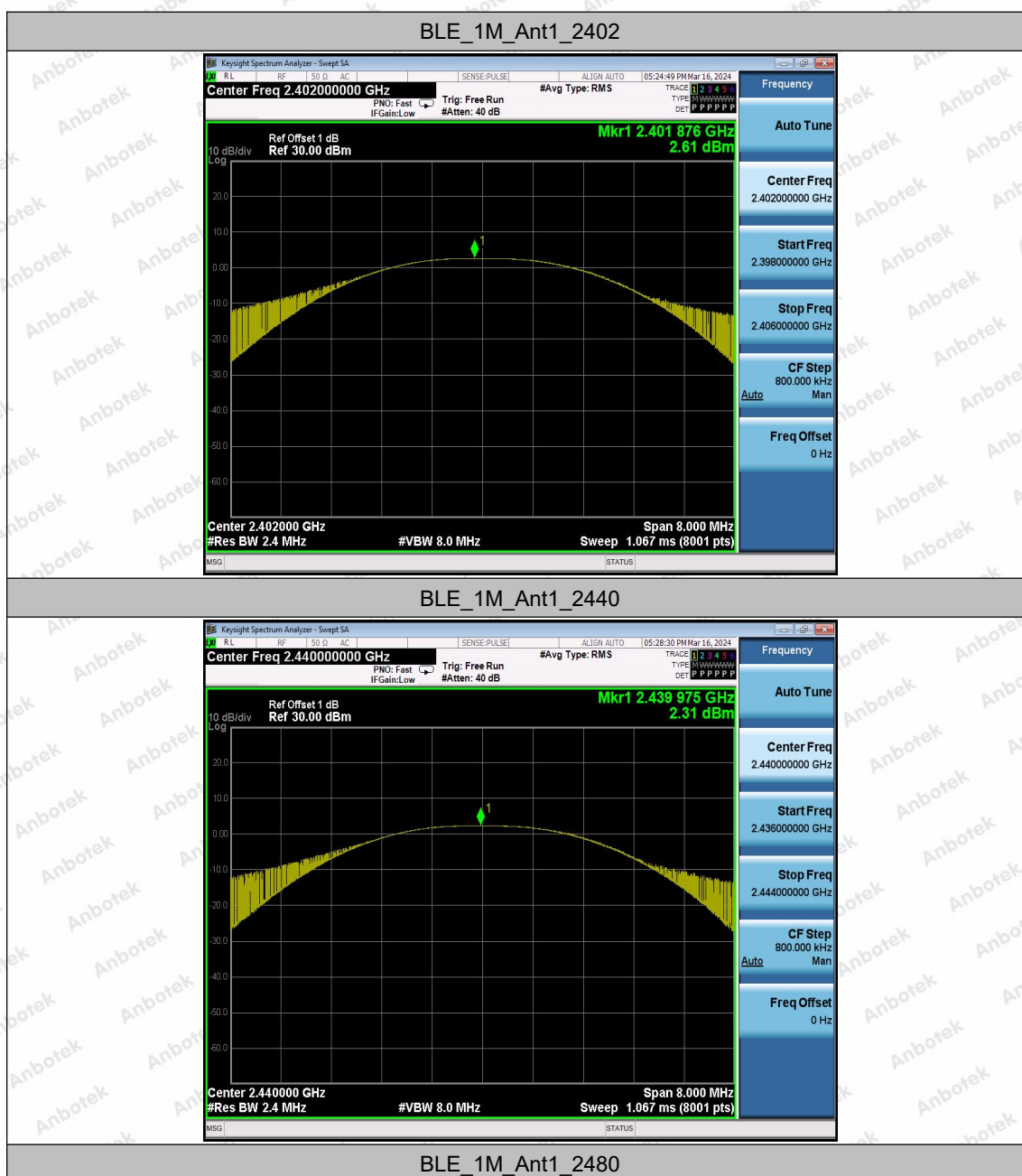


Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	EIRP[dBm]	EIRP Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.61	≤30	4.50	≤36	PASS
		2440	2.31	≤30	4.20	≤36	PASS
		2480	2.24	≤30	4.13	≤36	PASS

Test Graphs Peak



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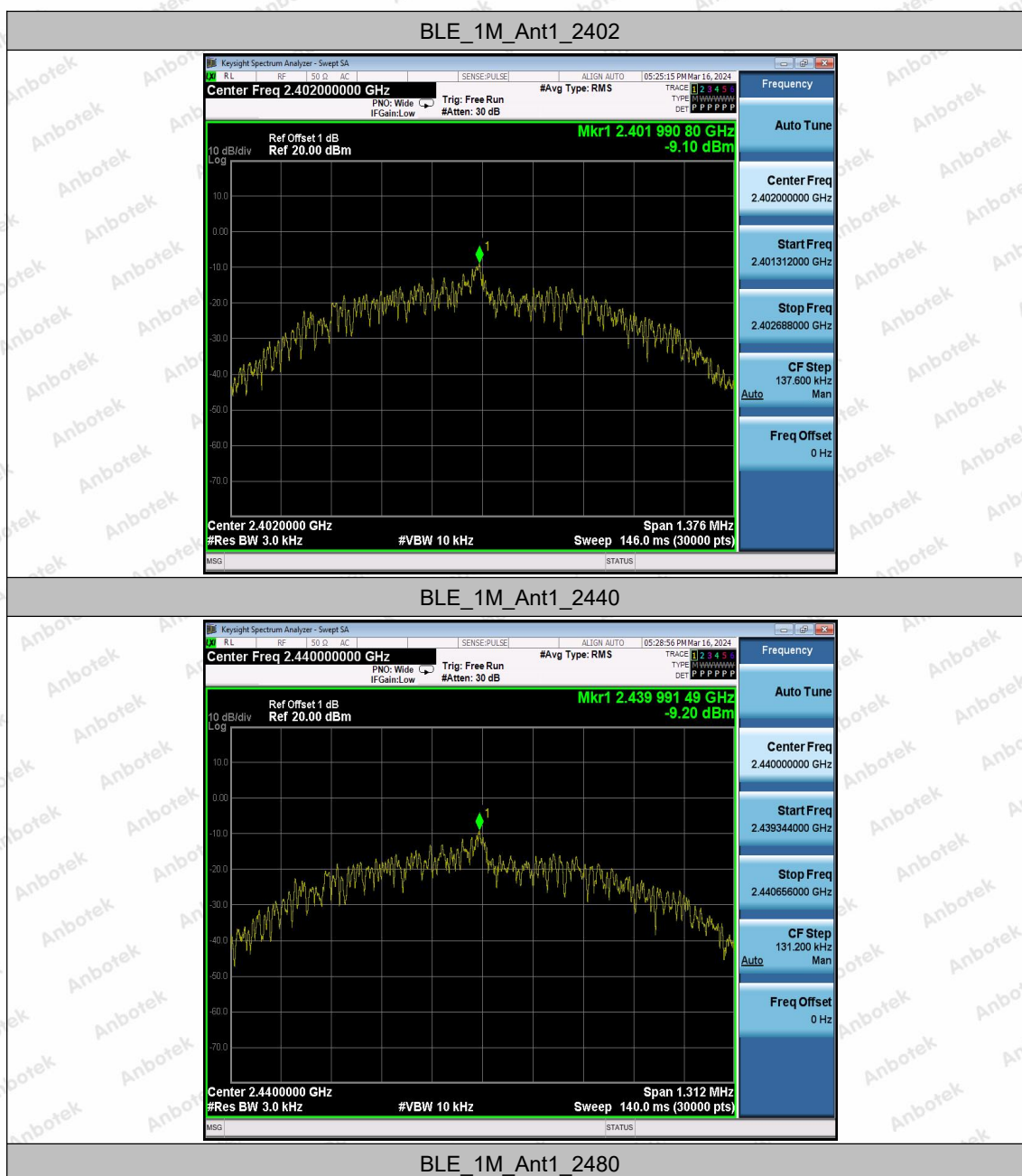


Appendix D: Maximum Power Spectral Density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-9.1	≤8.00	PASS
		2440	-9.2	≤8.00	PASS
		2480	-9.49	≤8.00	PASS

Test Graphs



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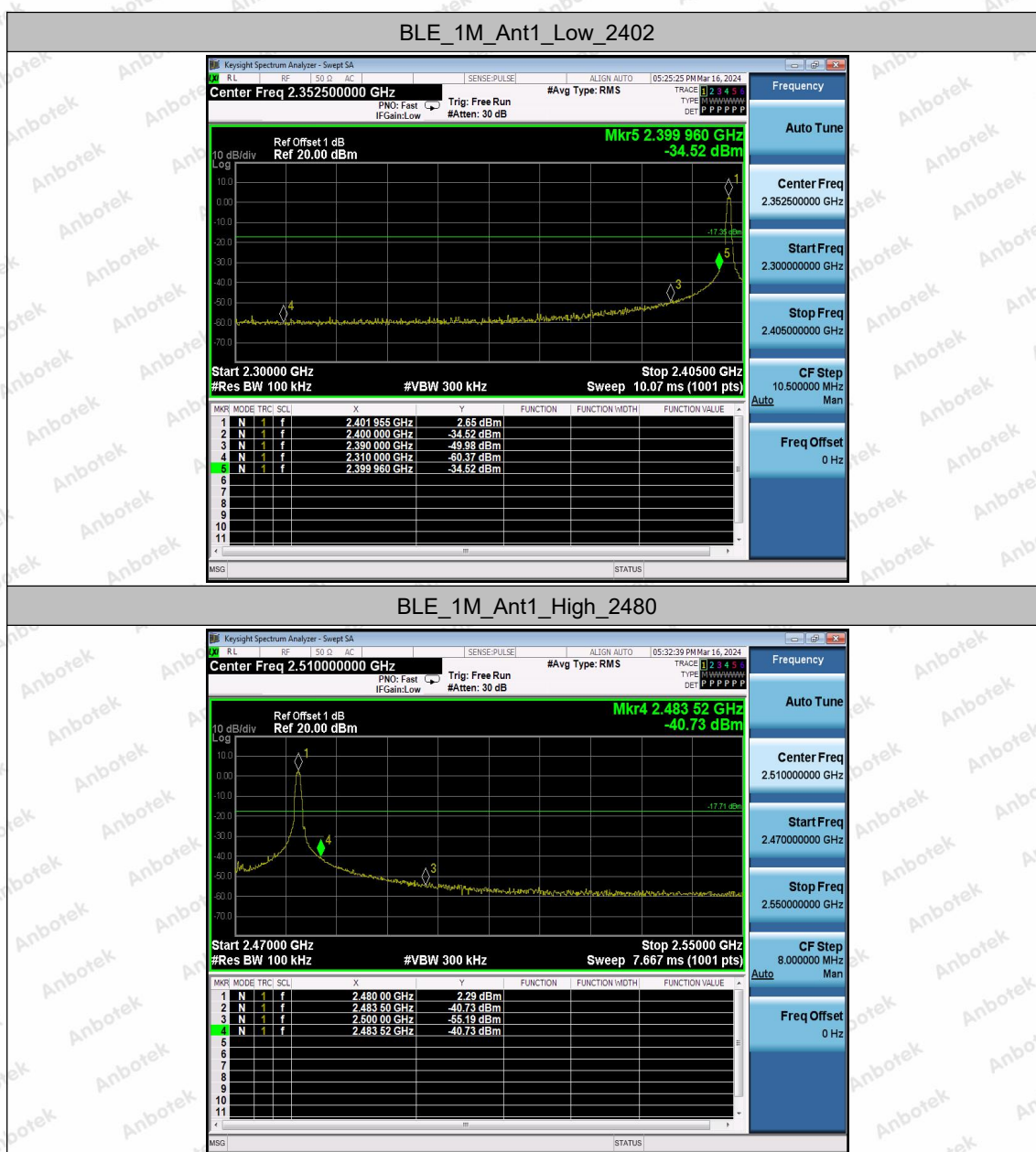


Appendix E: Conducted Band edge

Test Result

Test Mode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	2.65	-34.52	≤-17.35	PASS
		High	2480	2.29	-40.73	≤-17.71	PASS

Test Graphs



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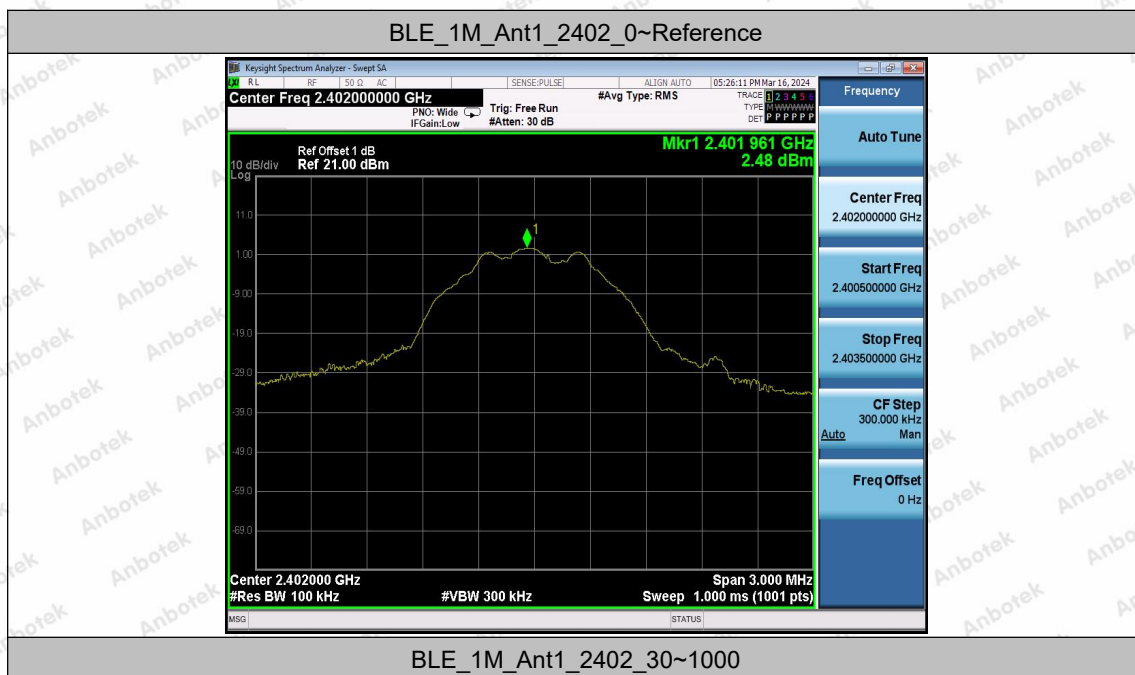


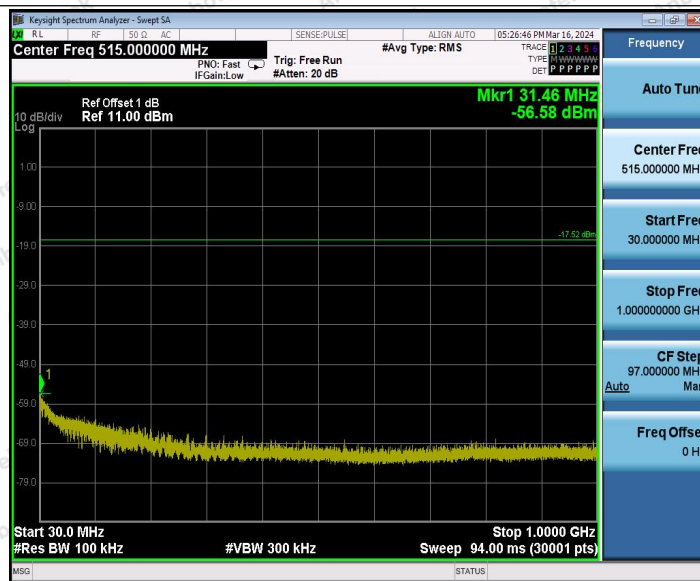
Appendix F: Conducted Spurious Emission

Test Result

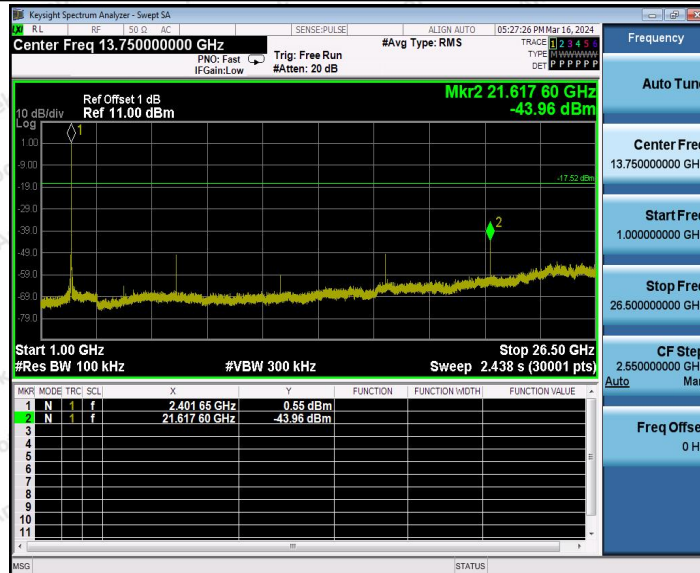
Test Mode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	2.48	2.48	---	PASS
			30~1000	2.48	-56.58	≤-17.52	PASS
			1000~26500	2.48	-43.96	≤-17.52	PASS
		2440	Reference	2.22	2.22	---	PASS
			30~1000	2.22	-57.05	≤-17.78	PASS
			1000~26500	2.22	-48.88	≤-17.78	PASS
		2480	Reference	2.16	2.16	---	PASS
			30~1000	2.16	-57.14	≤-17.84	PASS
			1000~26500	2.16	-40.33	≤-17.84	PASS

Test Graphs





BLE_1M_Ant1_2402_1000~26500



BLE_1M_Ant1_2440_0~Reference

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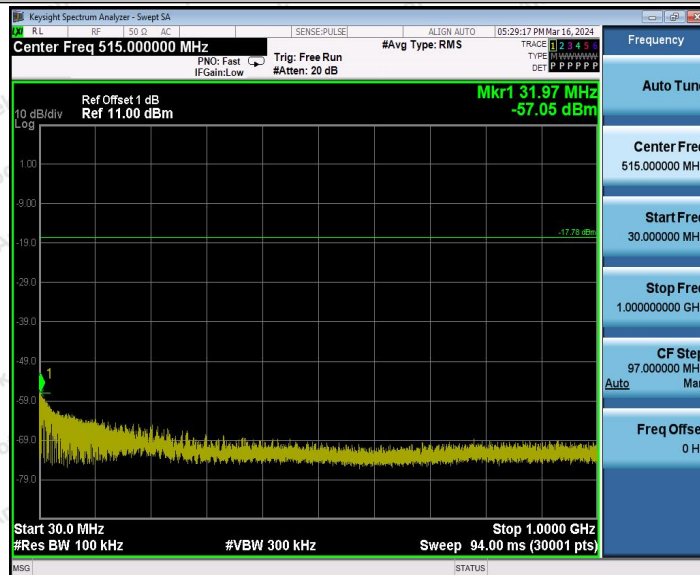


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BLE_1M_Ant1_2440_30~1000



BLE_1M_Ant1_2440_1000~26500

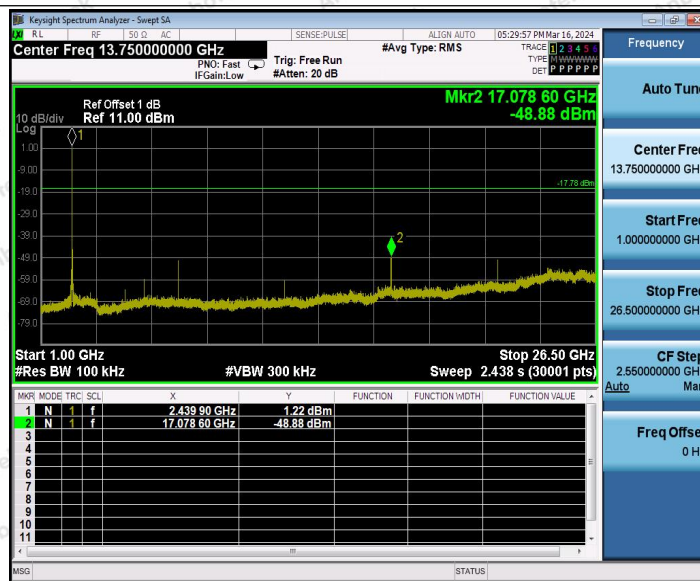
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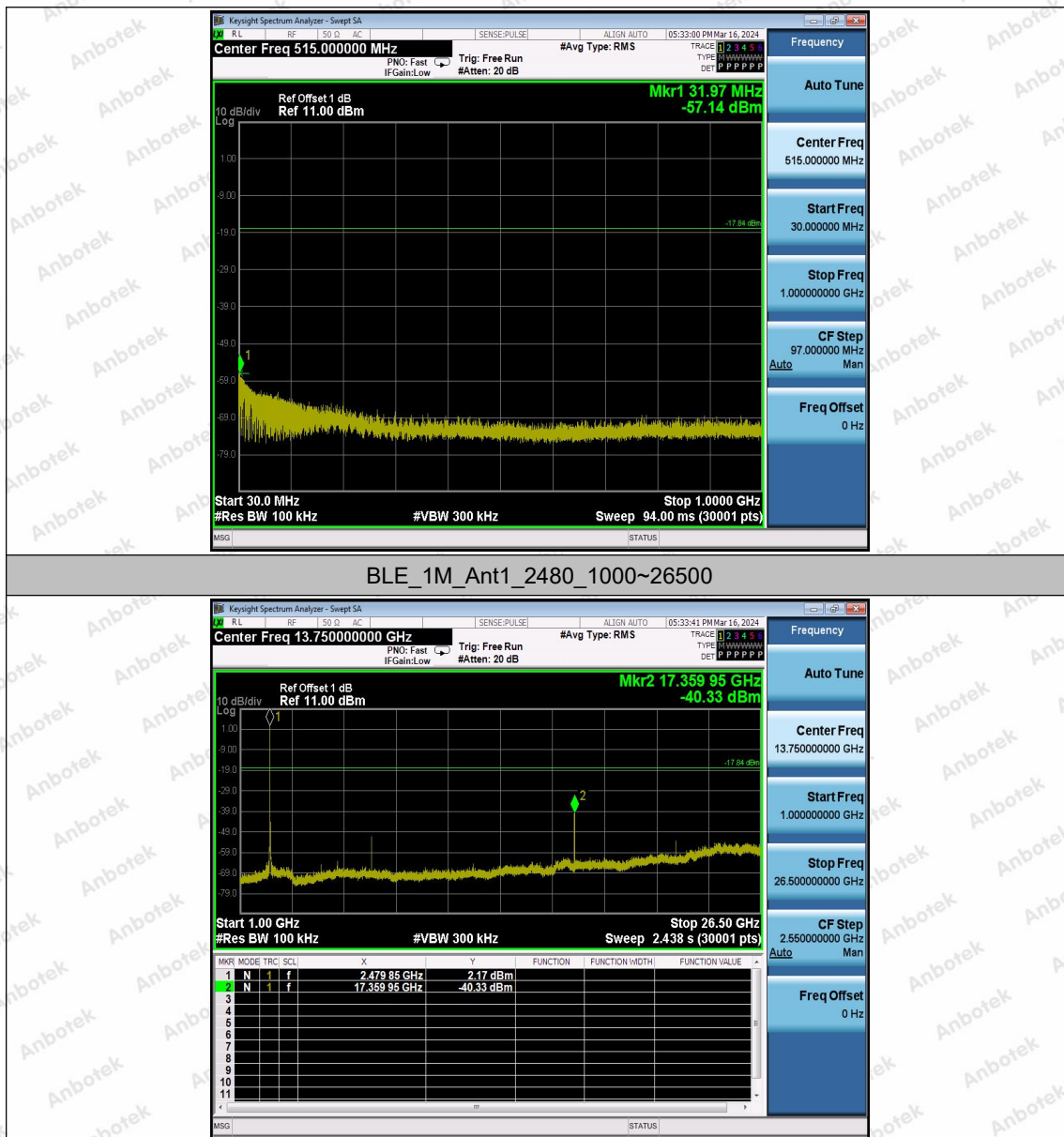


BLE_1M_Ant1_2480_0~Reference



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	0.42	0.62	67.74	1.69
		2440	0.42	0.62	67.74	1.69
		2480	0.43	0.63	68.25	1.66

Test Graphs



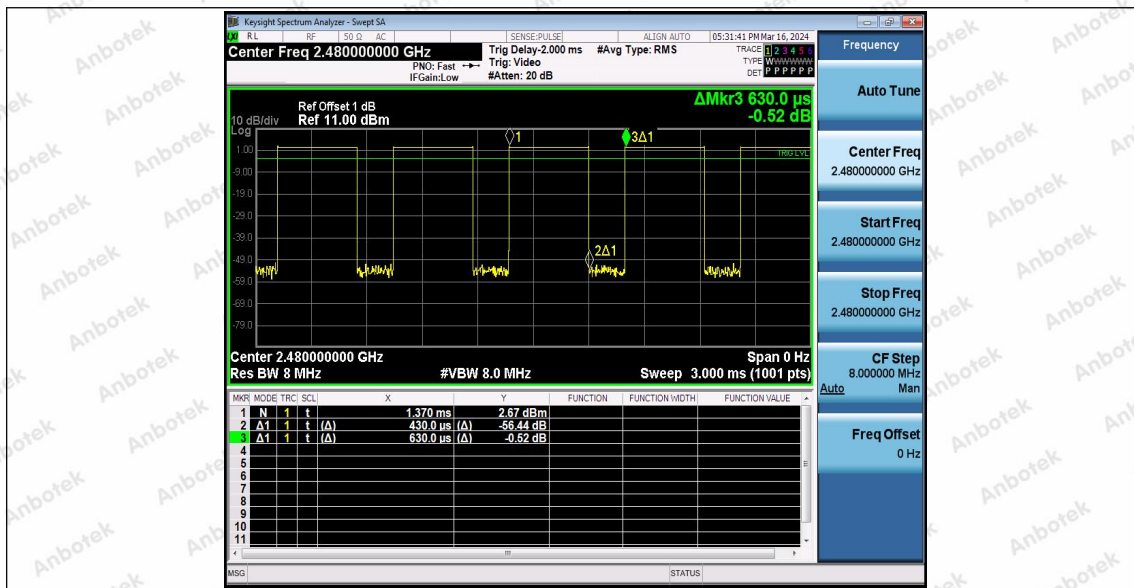
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