

Appendix Test Data

Report No.:	18220WC30176801	Test Sample No.:	1-2-2
Start Test Date:	2023.08.22	Finish Test Date:	2023.08.24
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.3℃	Relative Humidity:	47%
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.672	2401.676	2402.348	0.5	PASS
		2440	0.628	2439.684	2440.312	0.5	PASS
		2480	0.672	2479.672	2480.344	0.5	PASS



Test Graphs



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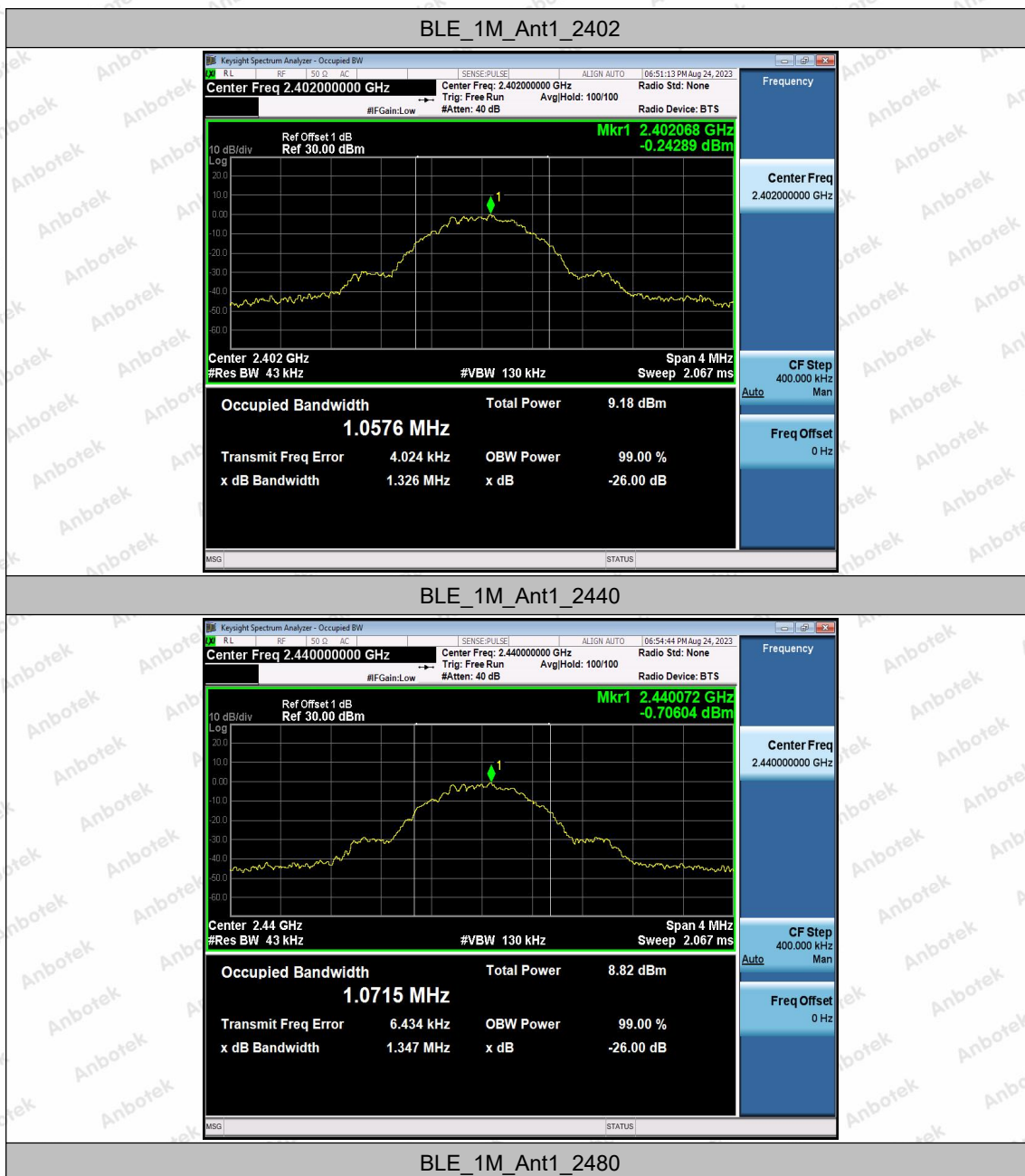
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0576	2401.4752	2402.5328
		2440	1.0715	2439.4707	2440.5422
		2480	1.0859	2479.4627	2480.5486



Test Graphs



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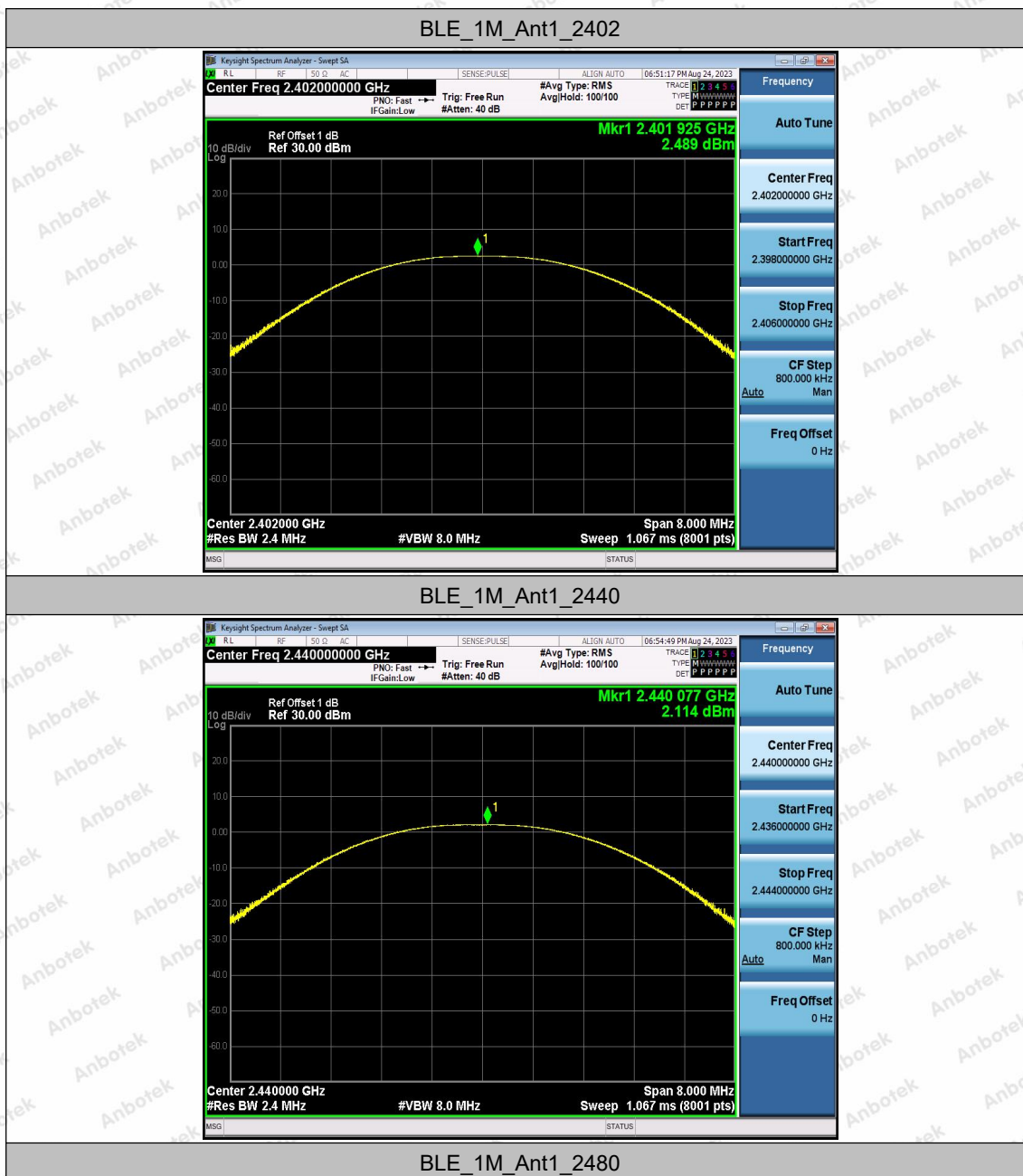
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.49	≤30	PASS
		2440	2.11	≤30	PASS
		2480	1.78	≤30	PASS



Test Graphs Peak



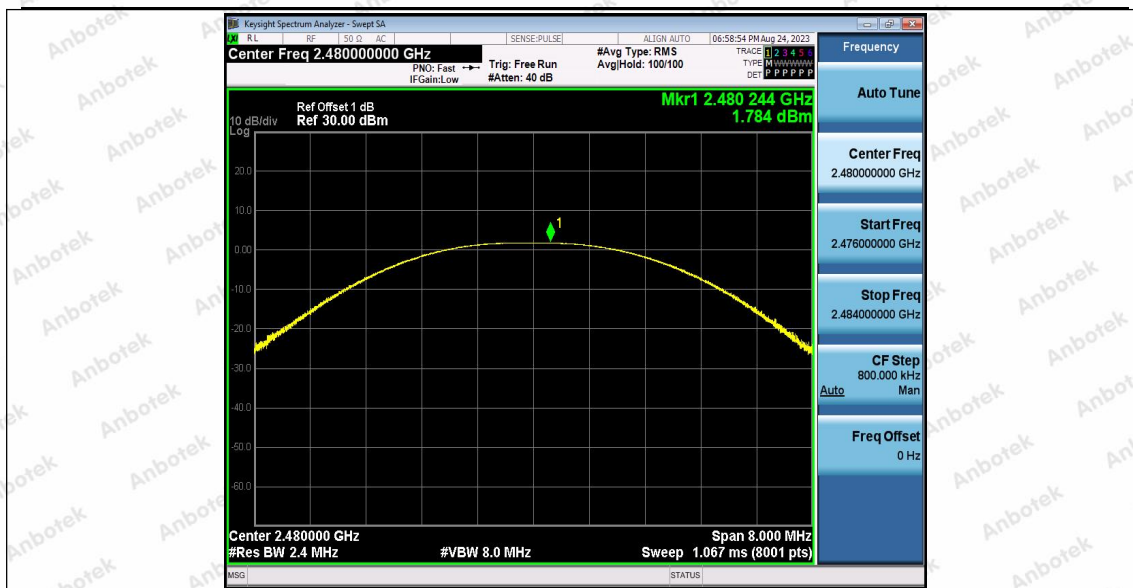
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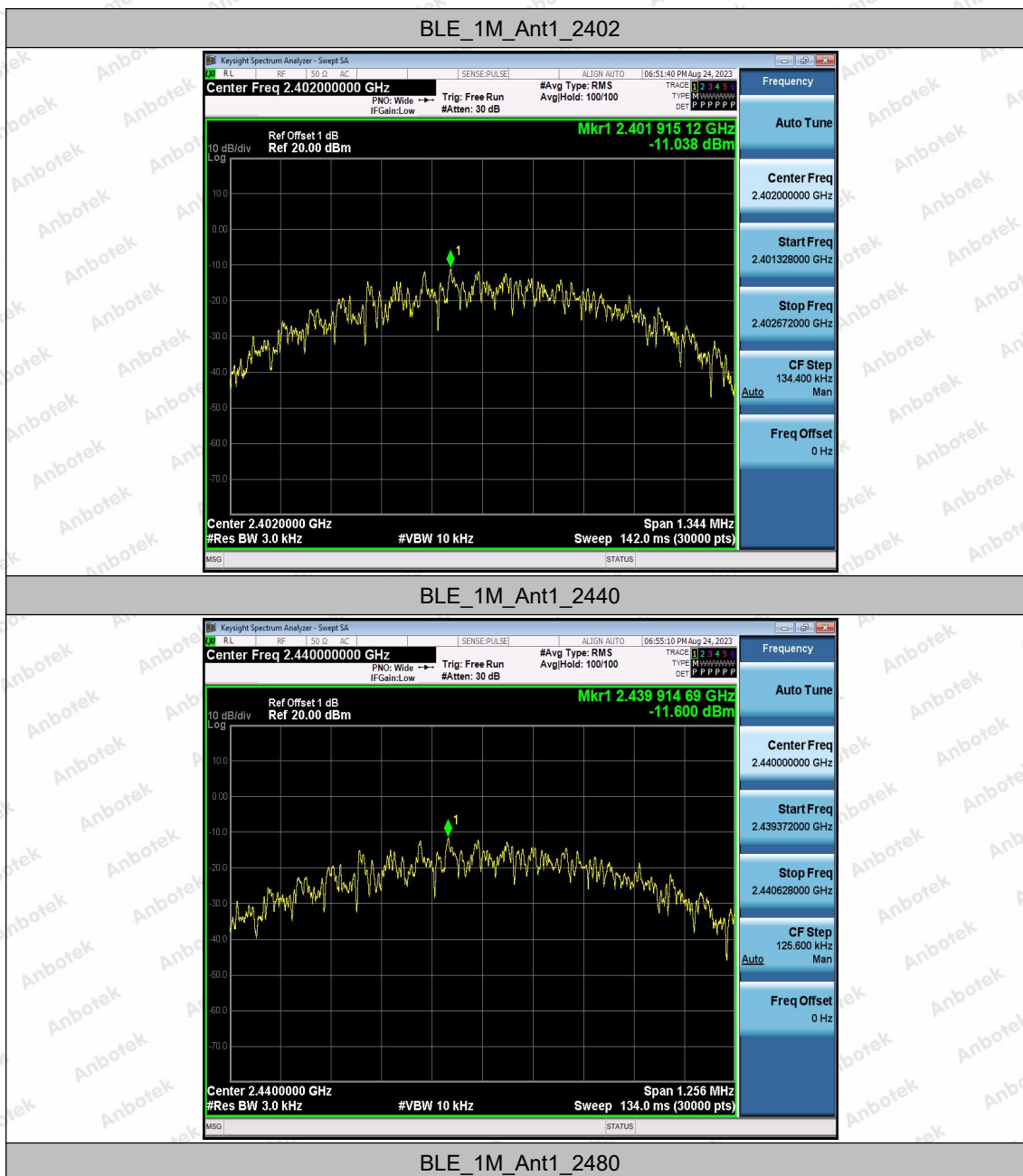
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-11.04	≤8.00	PASS
		2440	-11.60	≤8.00	PASS
		2480	-11.86	≤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	1.46	-40.62	≤-18.54	PASS
		High	2480	0.81	-43.15	≤-19.2	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	0.72	0.72	---	PASS
			30~1000	0.72	-68.91	≤-19.28	PASS
			1000~26500	0.72	-36.27	≤-19.28	PASS
		2440	Reference	0.69	0.69	---	PASS
			30~1000	0.69	-68.22	≤-19.31	PASS
			1000~26500	0.69	-37.22	≤-19.31	PASS
		2480	Reference	0.82	0.82	---	PASS
			30~1000	0.82	-68.54	≤-19.18	PASS
			1000~26500	0.82	-39.45	≤-19.18	PASS

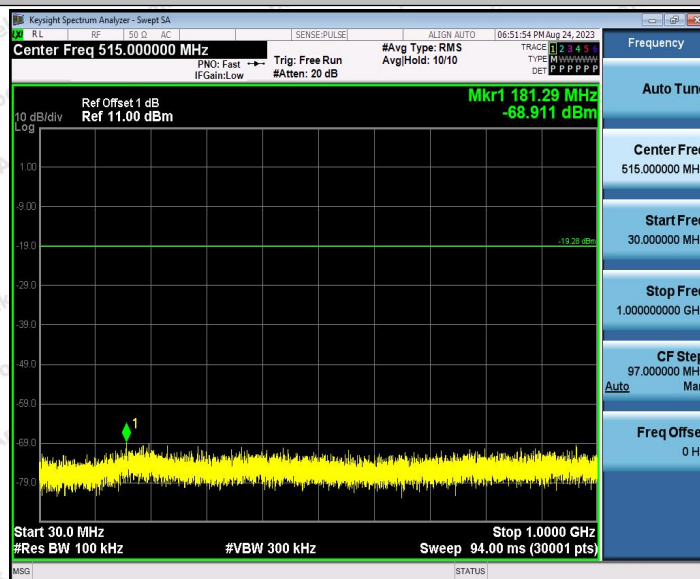


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

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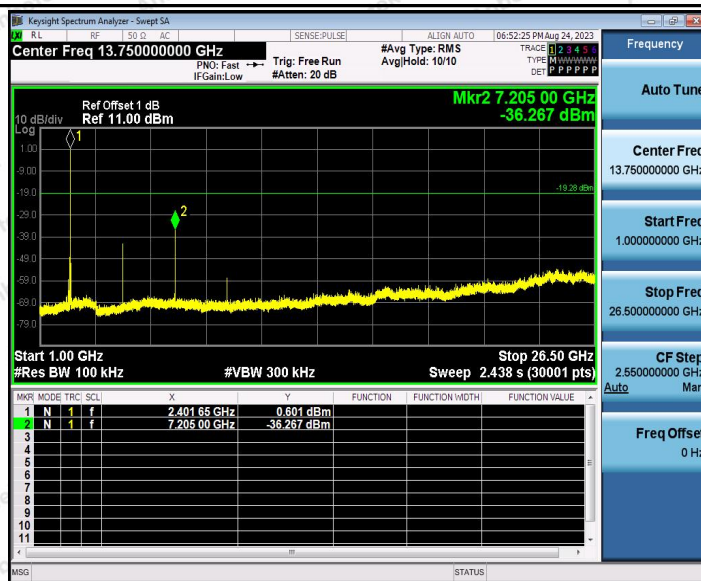


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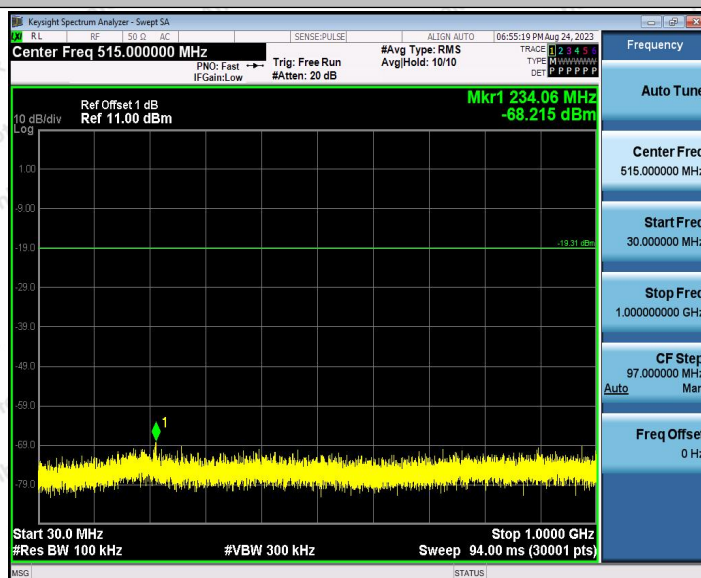




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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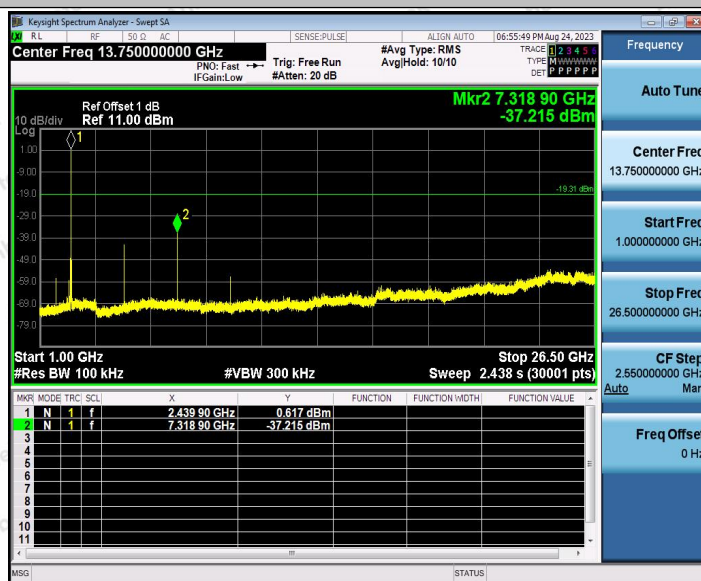
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000

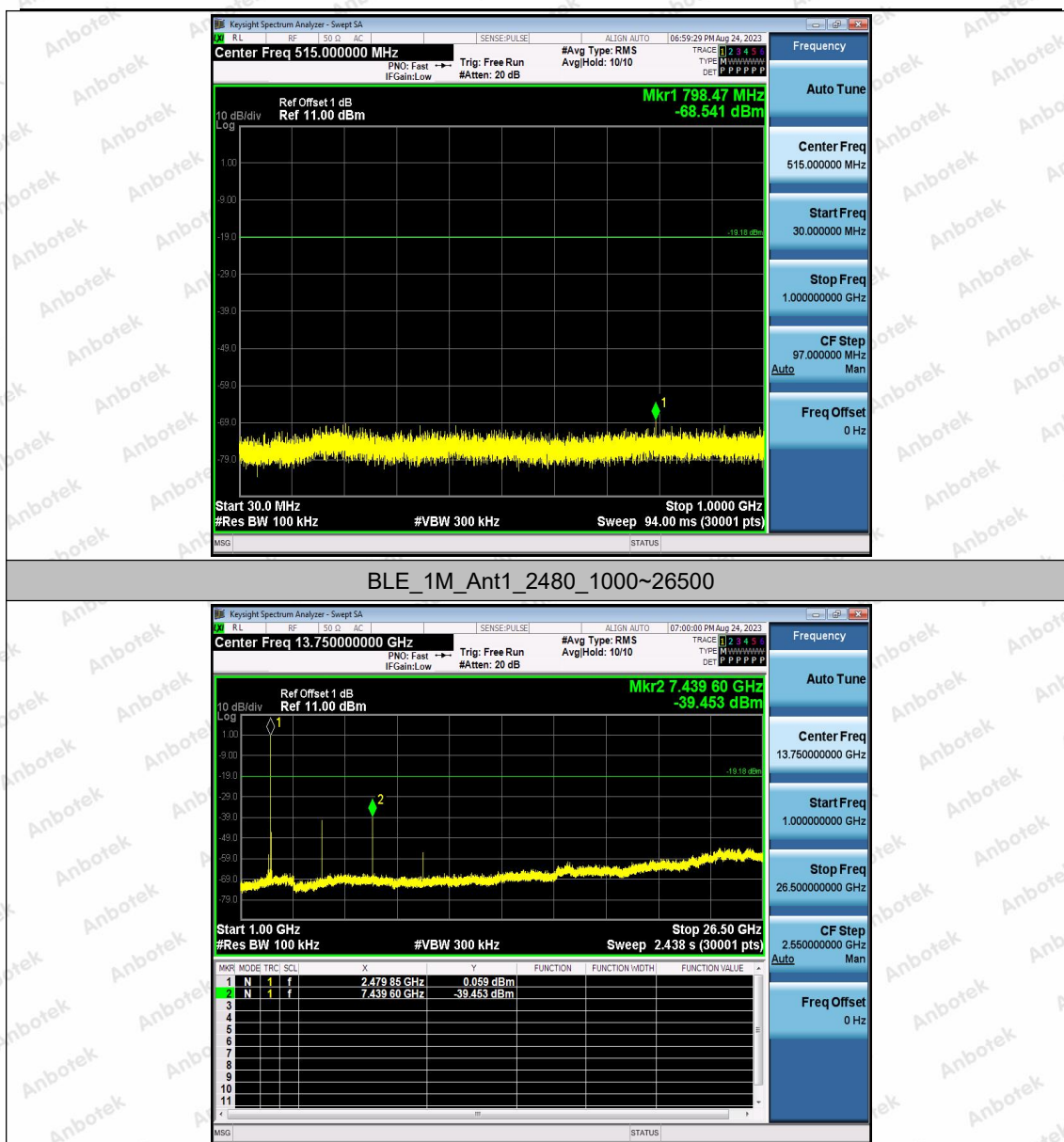
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Appendix G: Duty Cycle

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



Test Graphs



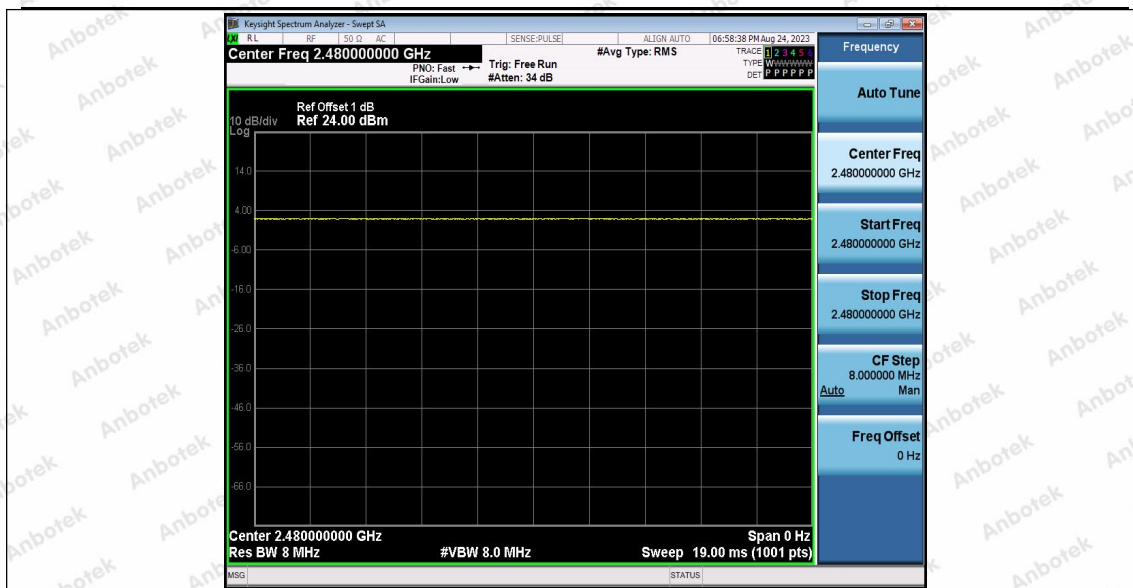
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