

Appendix Test Data

Report No.:	18220WC20203801	Test Sample No.:	1-2-2
Start Test Date:	2022.9.1	Finish Test Date:	2022.9.6
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	27.3°C	Relative Humidity:	47 %
Pressure:	1012 hPa		

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	0.696	2401.652	2402.348	0.5	PASS
		2440	0.696	2439.652	2440.348	0.5	PASS
		2480	0.684	2479.648	2480.332	0.5	PASS



Test Graphs



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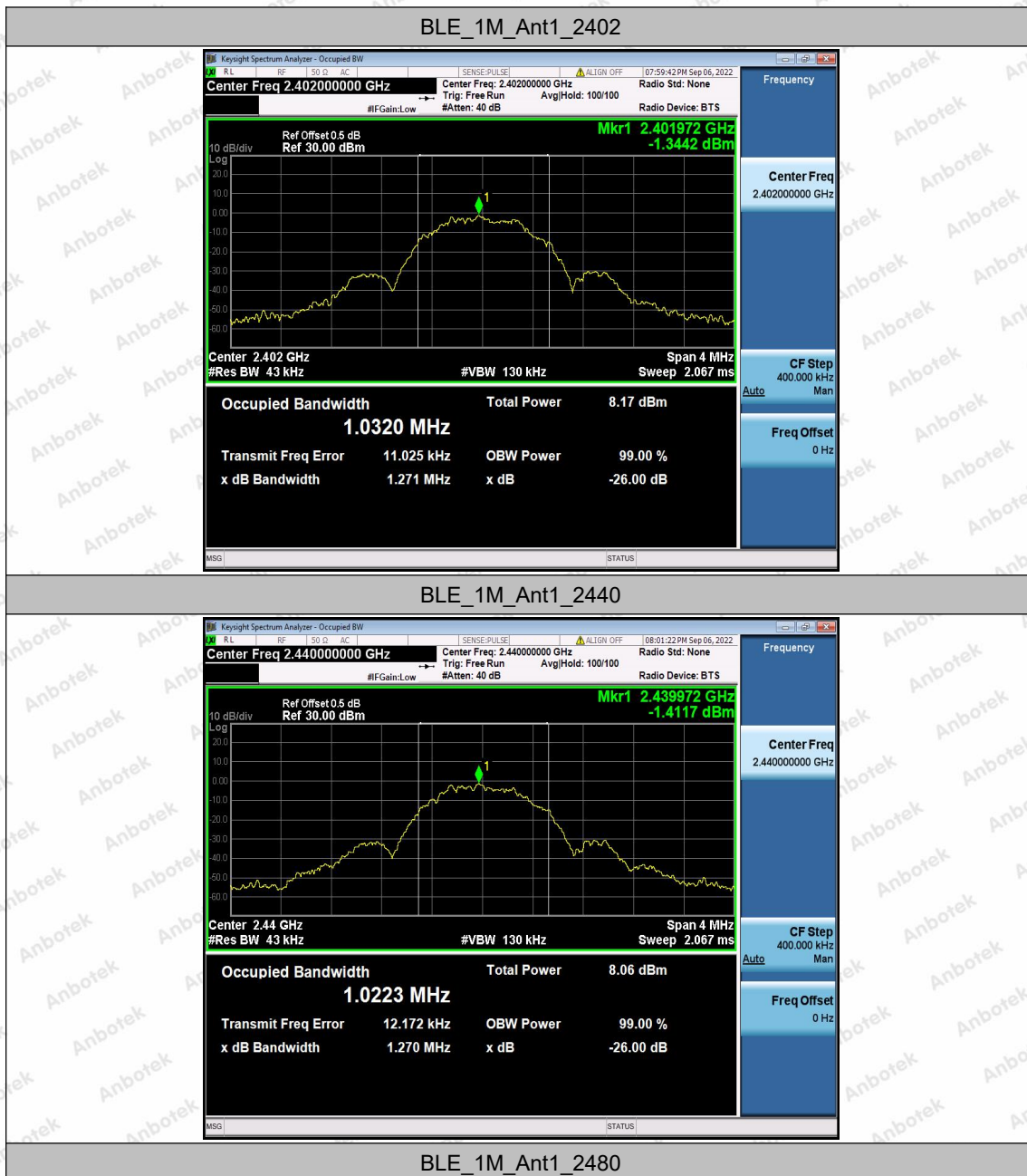
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0320	2401.4950	2402.5270
		2440	1.0223	2439.5010	2440.5233
		2480	1.0238	2479.4964	2480.5202



Test Graphs



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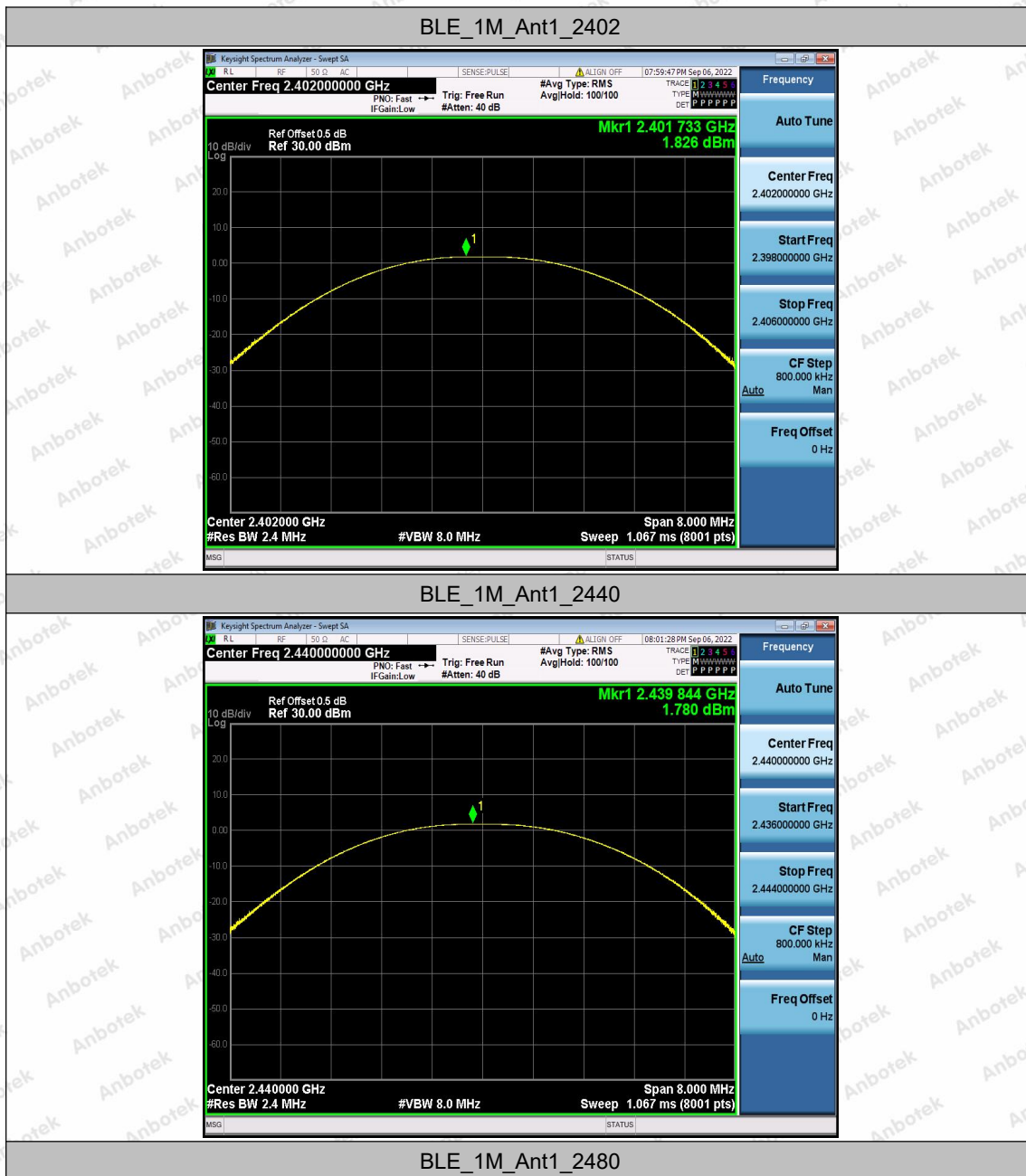
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.83	≤30	PASS
		2440	1.78	≤30	PASS
		2480	1.06	≤30	PASS



Test Graphs Peak



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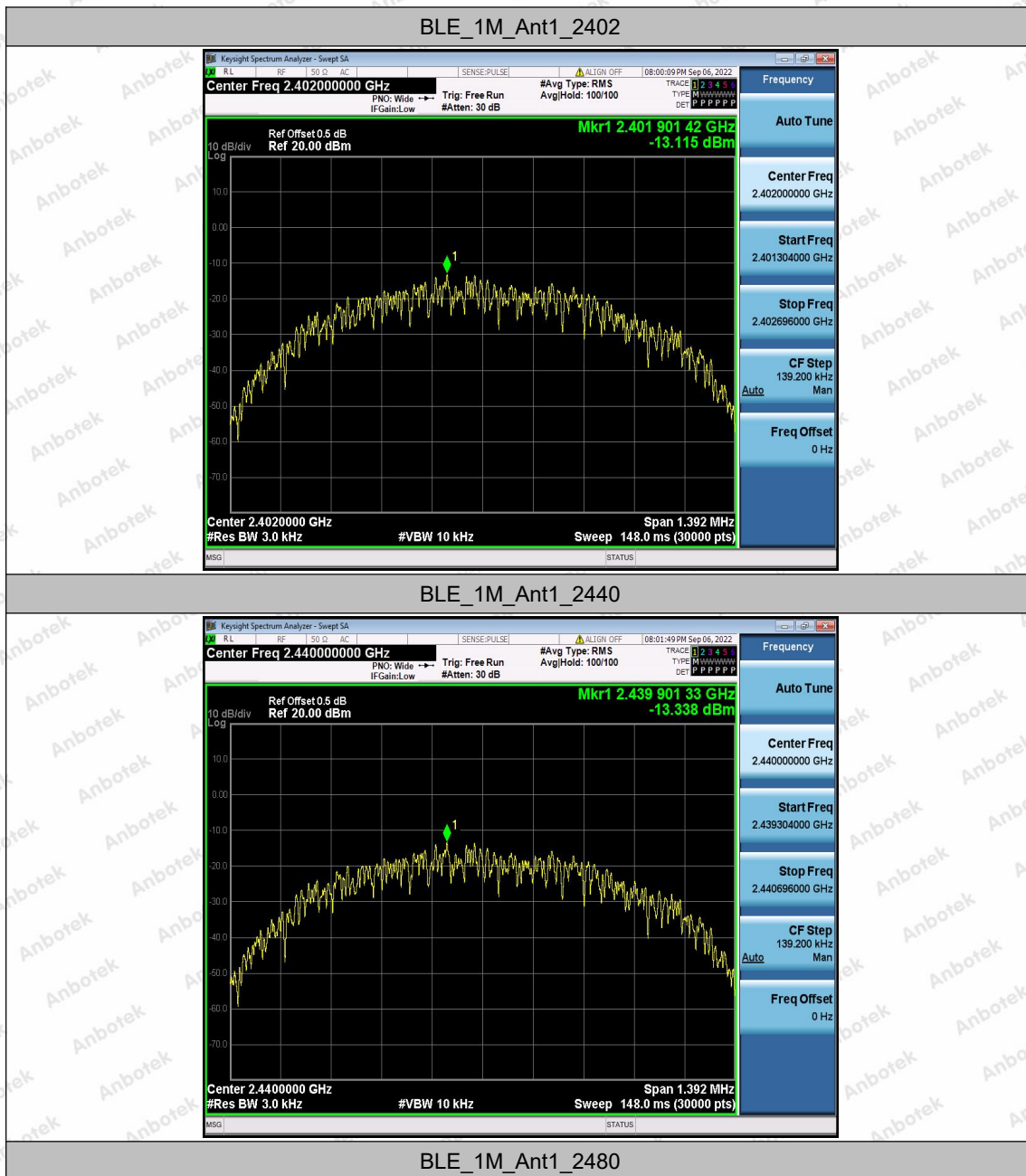
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.12	≤8.00	PASS
		2440	-13.34	≤8.00	PASS
		2480	-14.05	≤8.00	PASS



Test Graphs



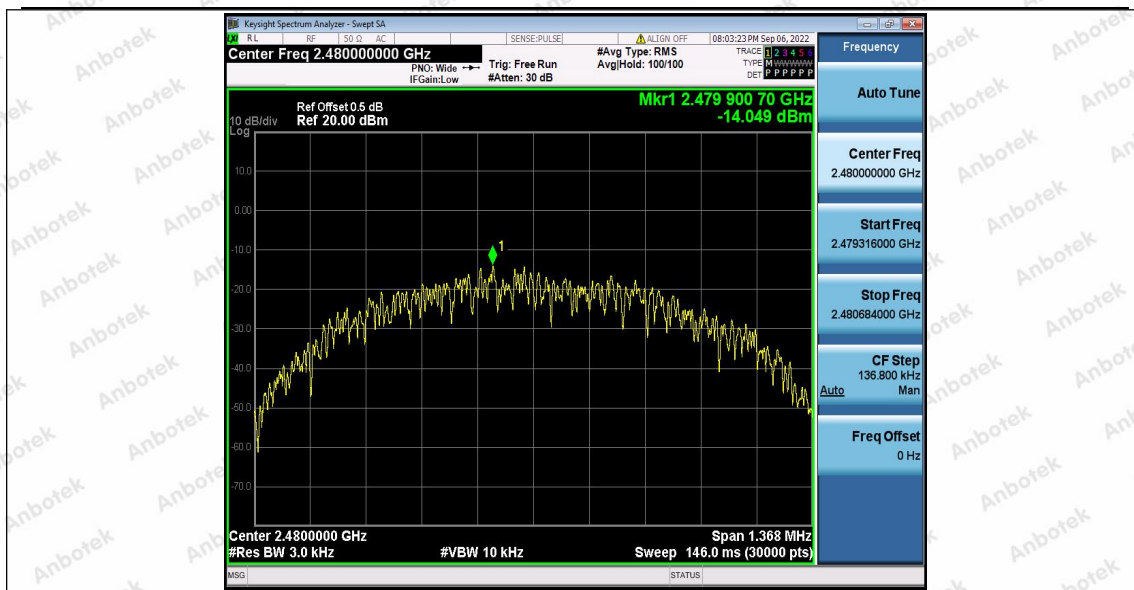
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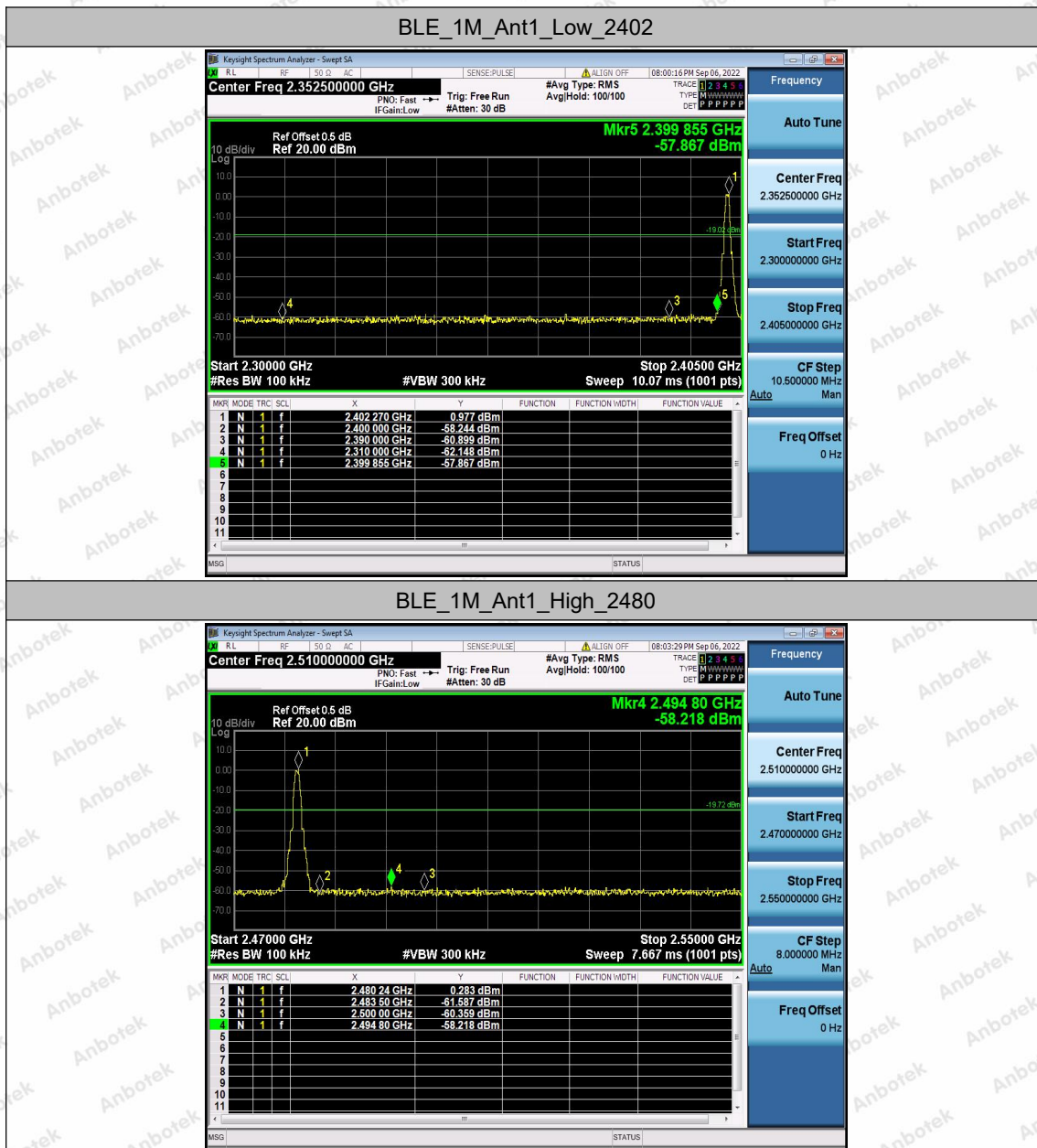
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch Name	Frequency[MHz]	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.98	-57.87	≤-19.02	PASS
		High	2480	0.28	-58.22	≤-19.72	PASS



Test Graphs



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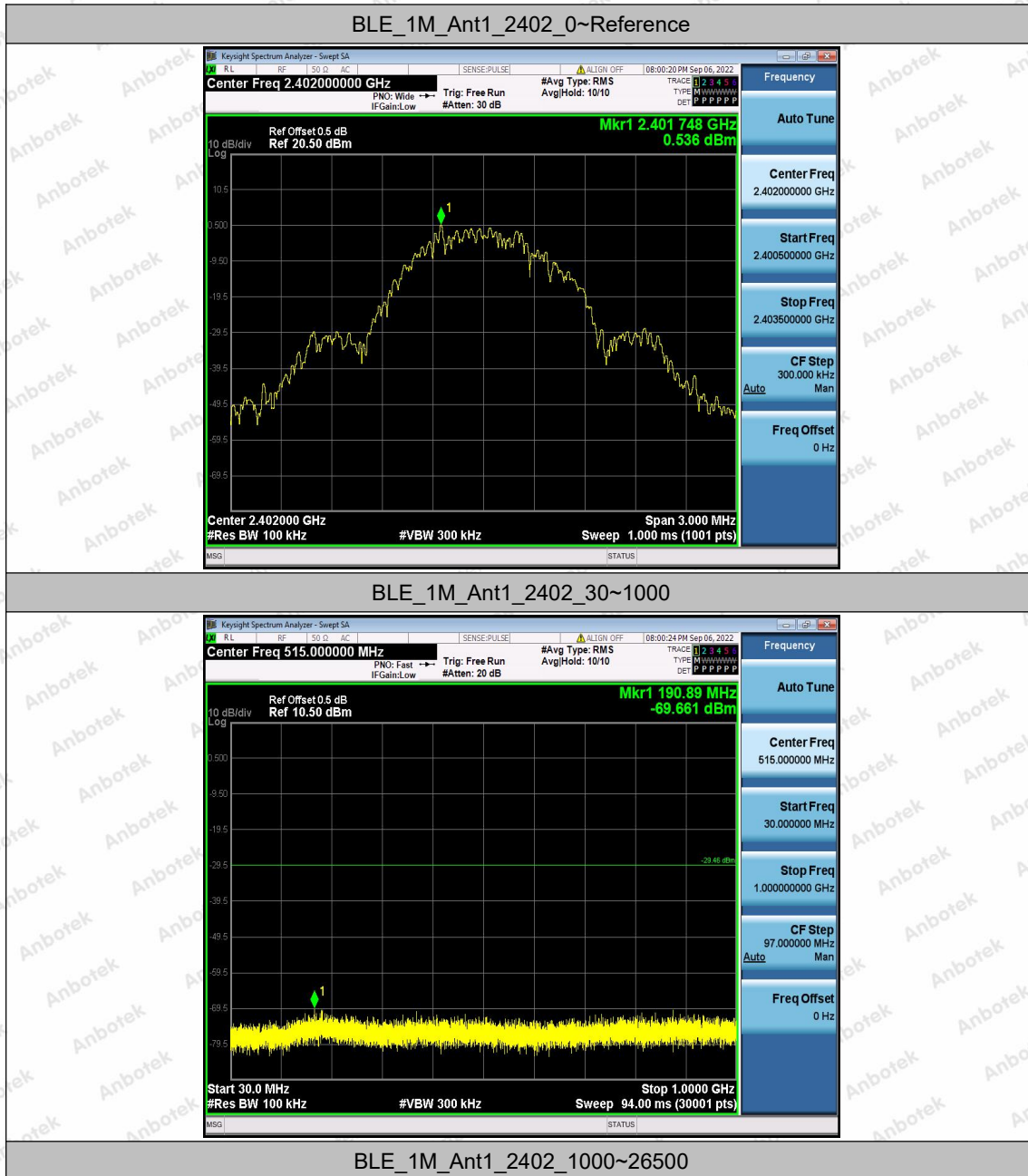
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq Range [MHz]	Ref Level [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	0.54	0.54	---	PASS
			30~1000	0.54	-69.66	≤-29.46	PASS
			1000~26500	0.54	-54.41	≤-29.46	PASS
		2440	Reference	0.22	0.22	---	PASS
			30~1000	0.22	-70.05	≤-29.78	PASS
			1000~26500	0.22	-54.27	≤-29.78	PASS
		2480	Reference	-1.32	-1.32	---	PASS
			30~1000	-1.32	-70.2	≤-31.32	PASS
			1000~26500	-1.32	-53.85	≤-31.32	PASS



Test Graphs



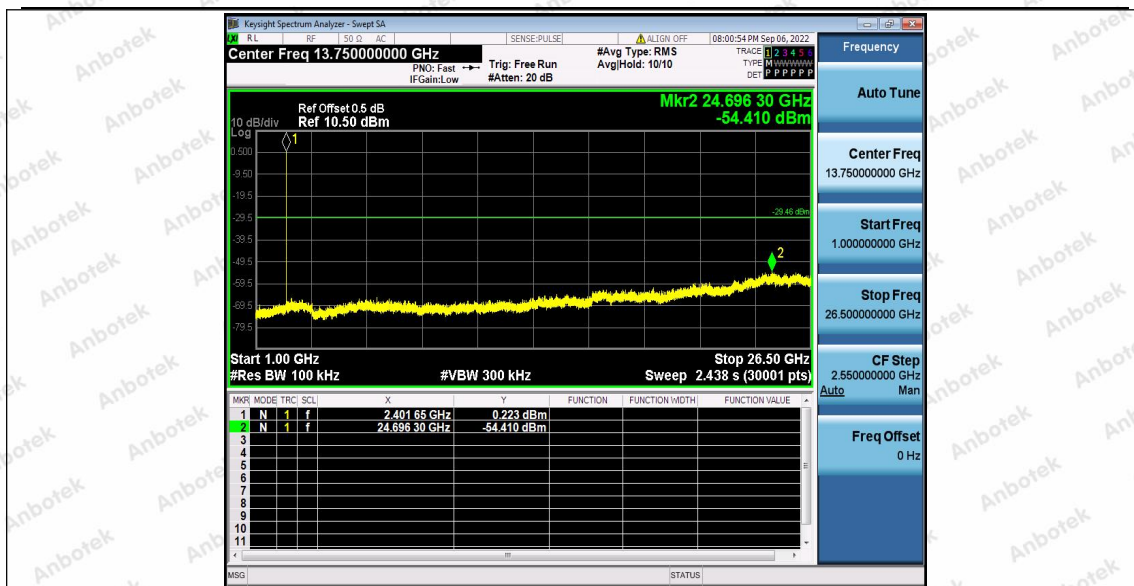
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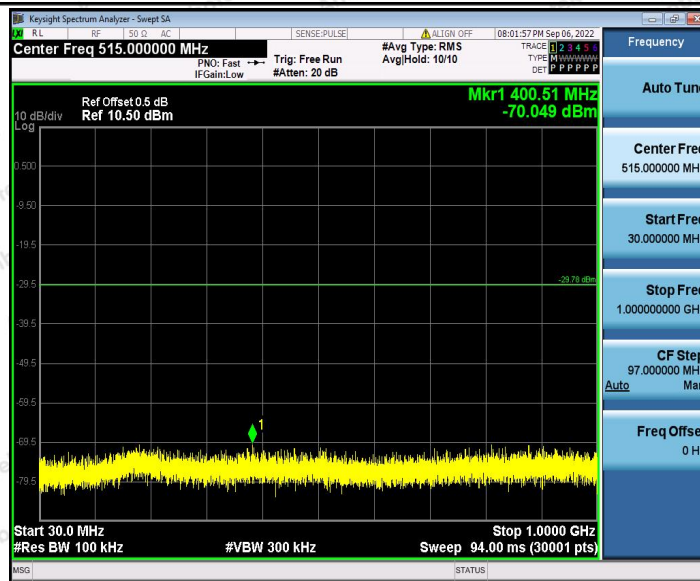


BLE_1M_Ant1_2440_0~Reference

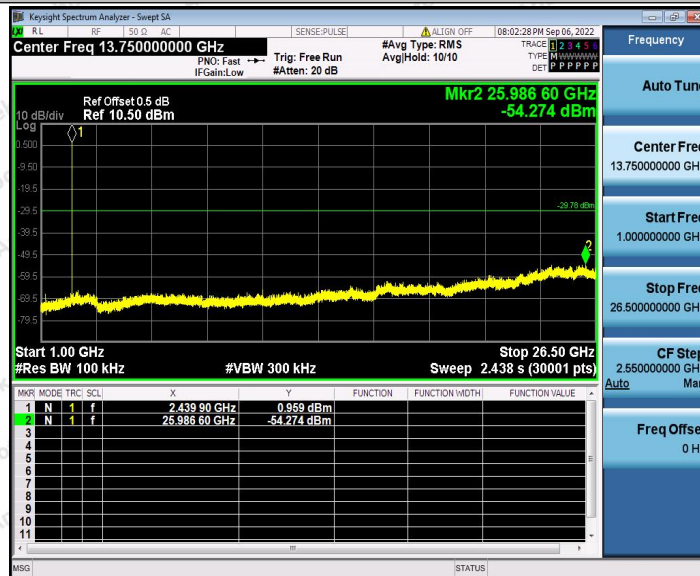


BLE_1M_Ant1_2440_30~1000





BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

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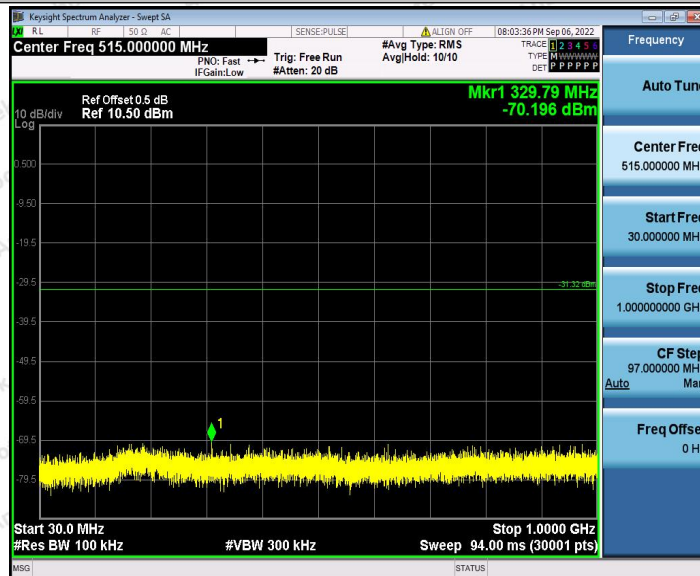


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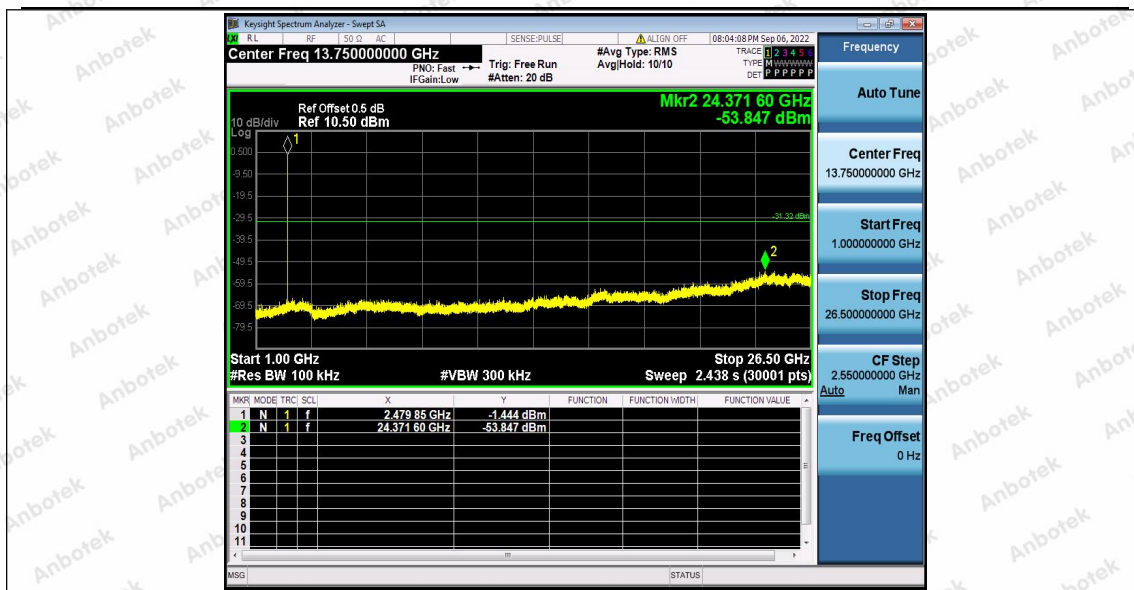


BLE_1M_Ant1_2480_30~1000



BLE_1M_Ant1_2480_1000~26500





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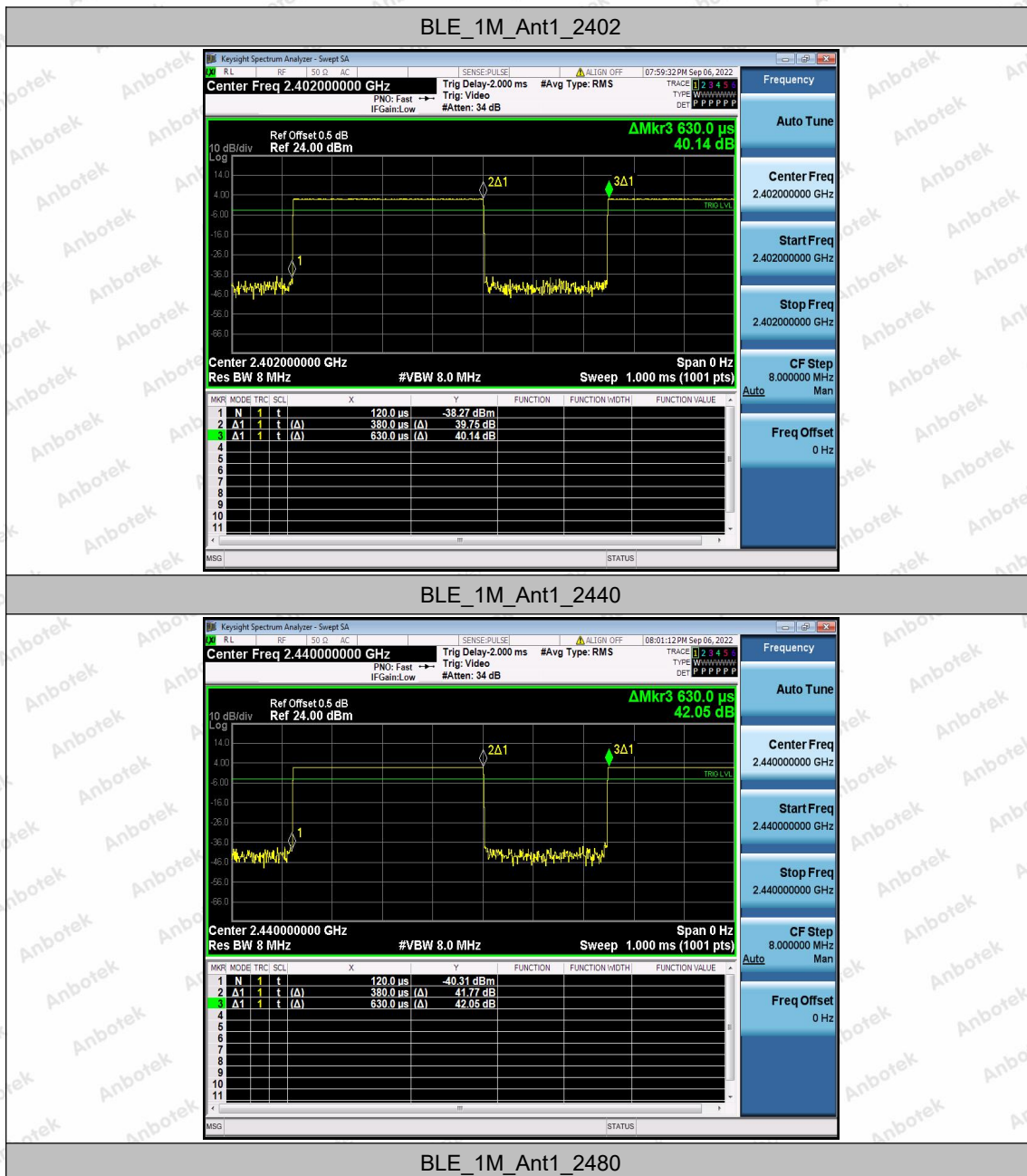
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.38	0.63	60.32	2.20
		2440	0.38	0.63	60.32	2.20
		2480	0.38	0.63	60.32	2.20



Test Graphs



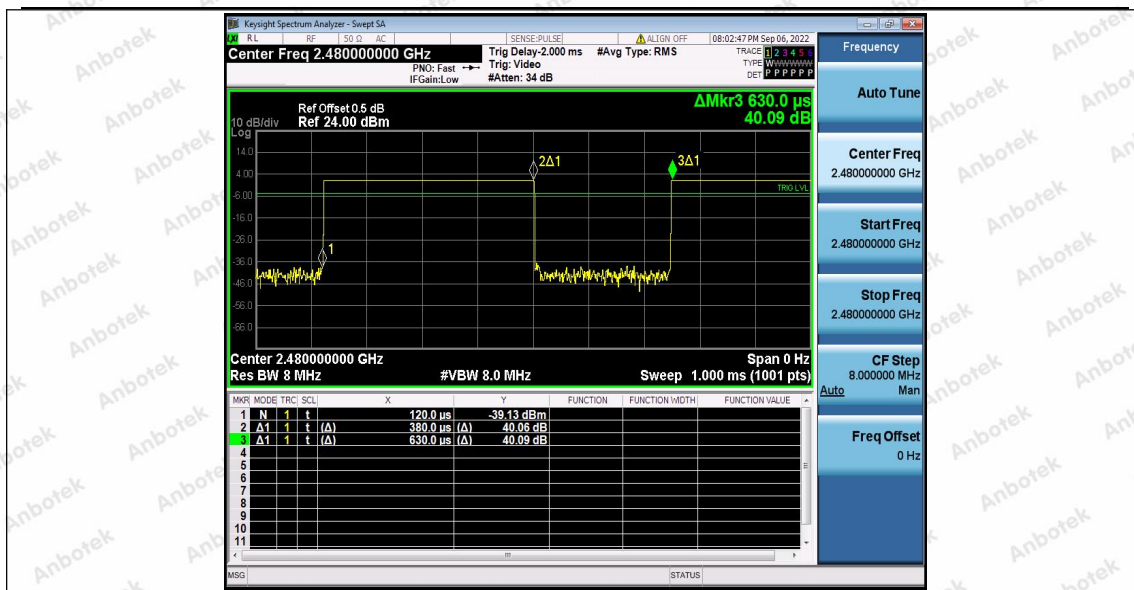
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