

Appendix Test Data

Report No.:	18220WC20287801	Test Sample No.:	1-2-2
Start Test Date:	2022.12.15	Finish Test Date:	2022.12.22
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	Relative Humidity:	37 %
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	0.676	2401.664	2402.340	0.5	PASS
		2440	0.672	2439.672	2440.344	0.5	PASS
		2480	0.684	2479.664	2480.348	0.5	PASS



Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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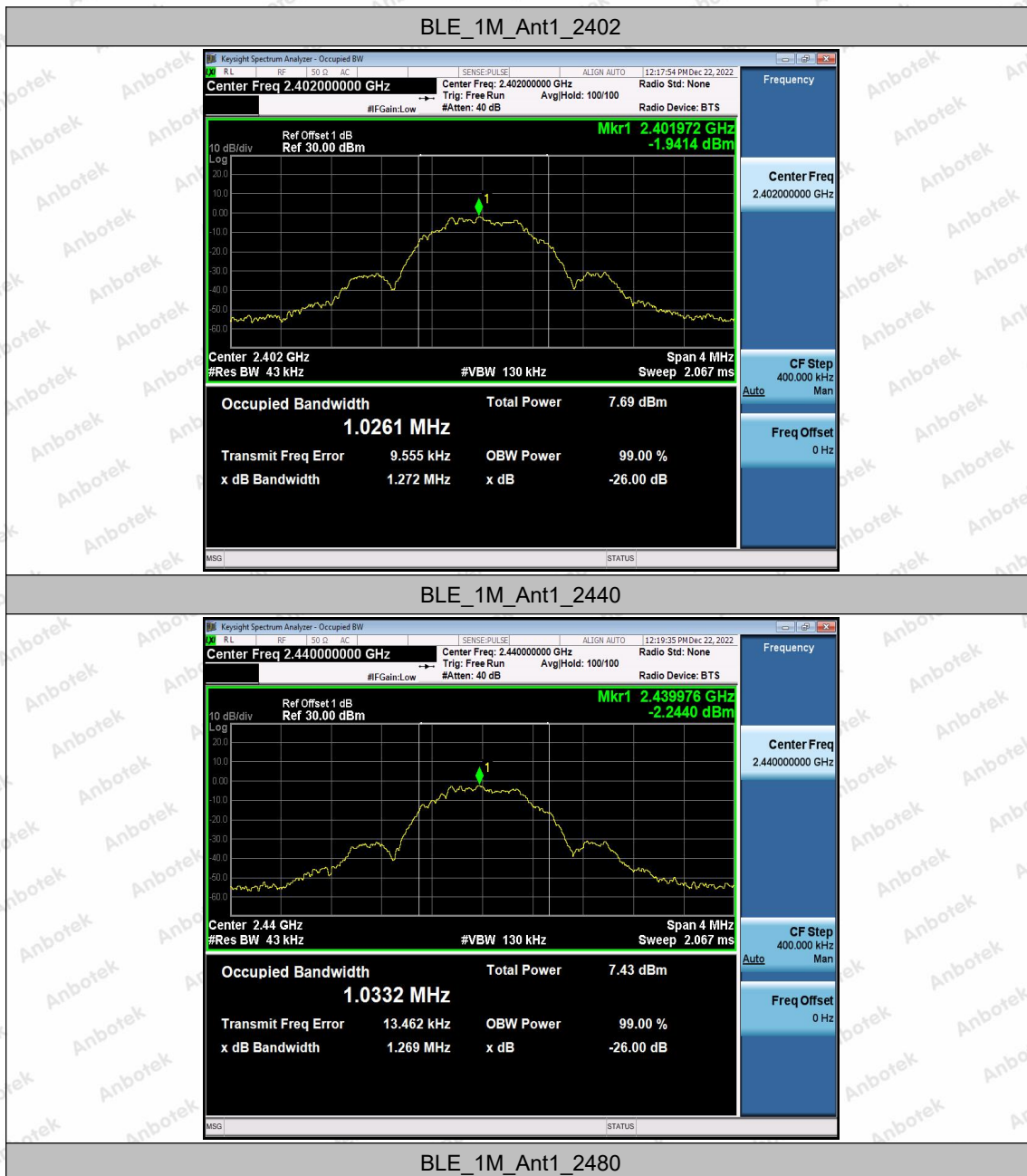
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0261	2401.4965	2402.5226
		2440	1.0332	2439.4969	2440.5301
		2480	1.0306	2479.4992	2480.5298



Test Graphs



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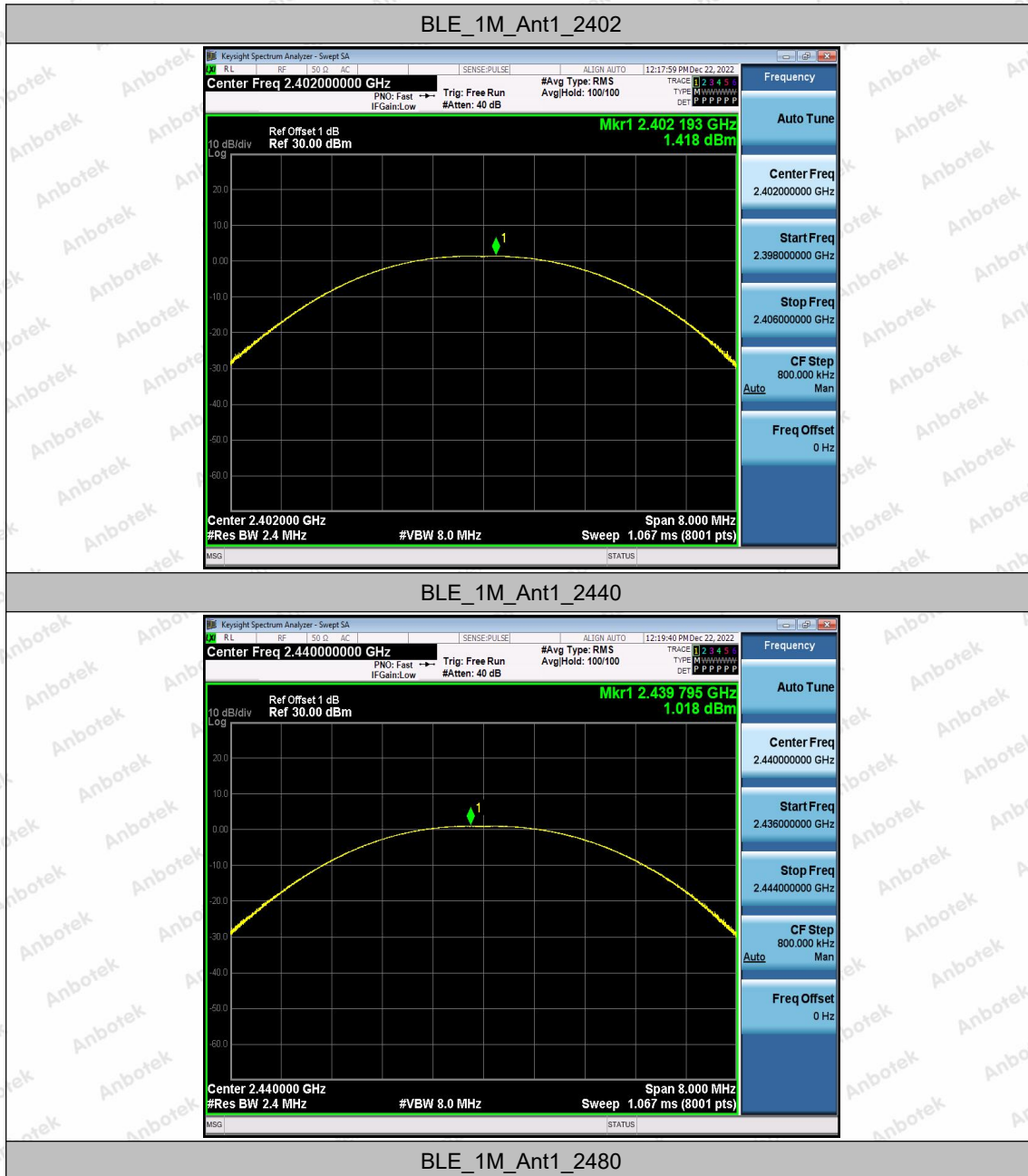
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.42	≤30	PASS
		2440	1.02	≤30	PASS
		2480	0.46	≤30	PASS



Test Graphs Peak



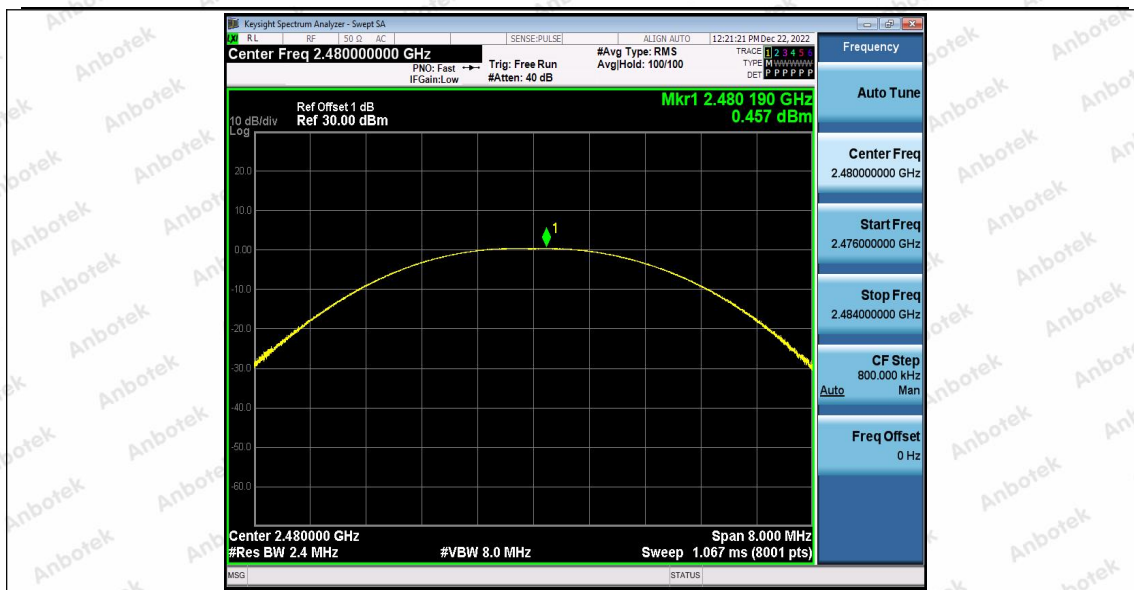
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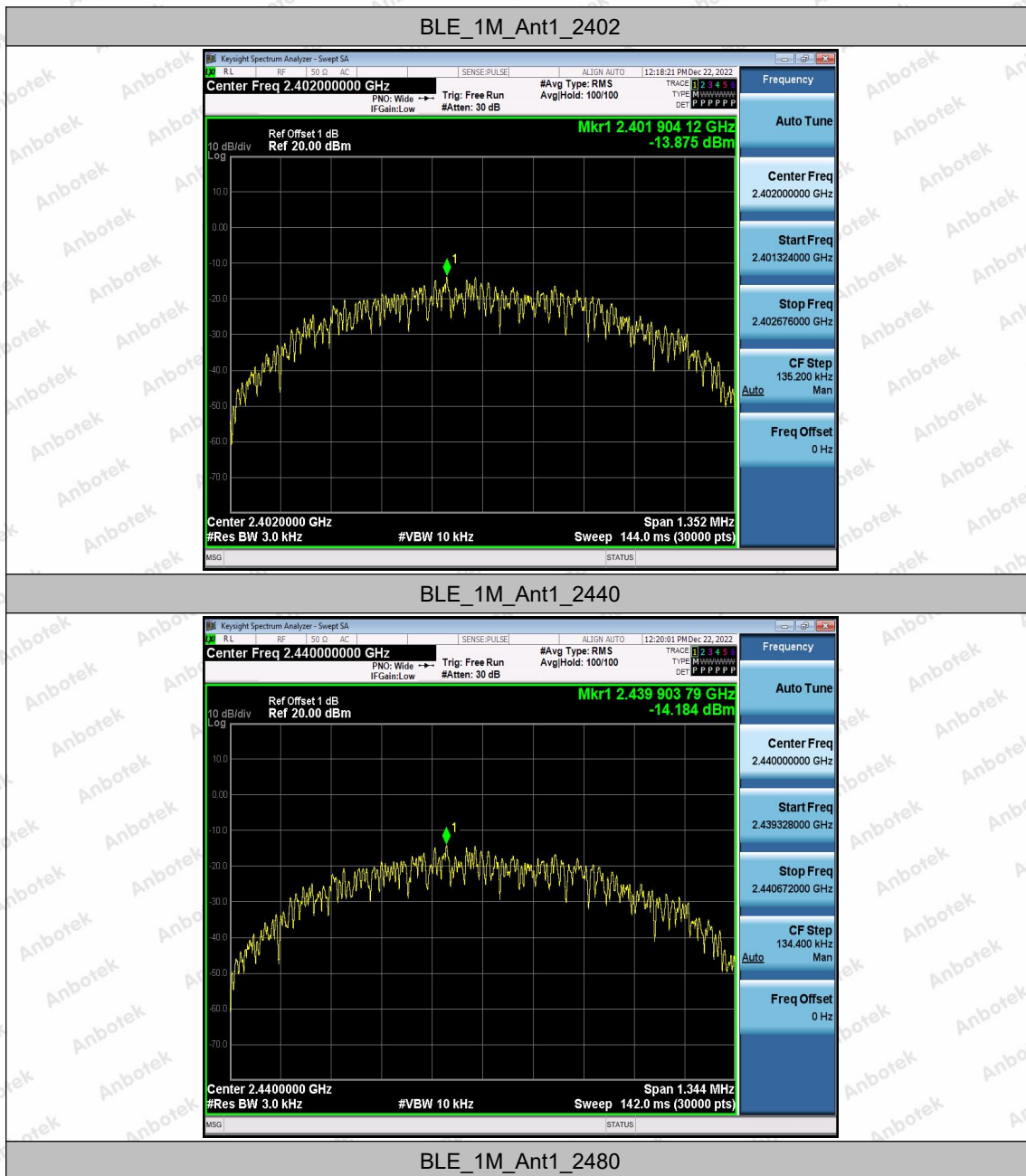
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.88	≤8.00	PASS
		2440	-14.18	≤8.00	PASS
		2480	-14.65	≤8.00	PASS



Test Graphs



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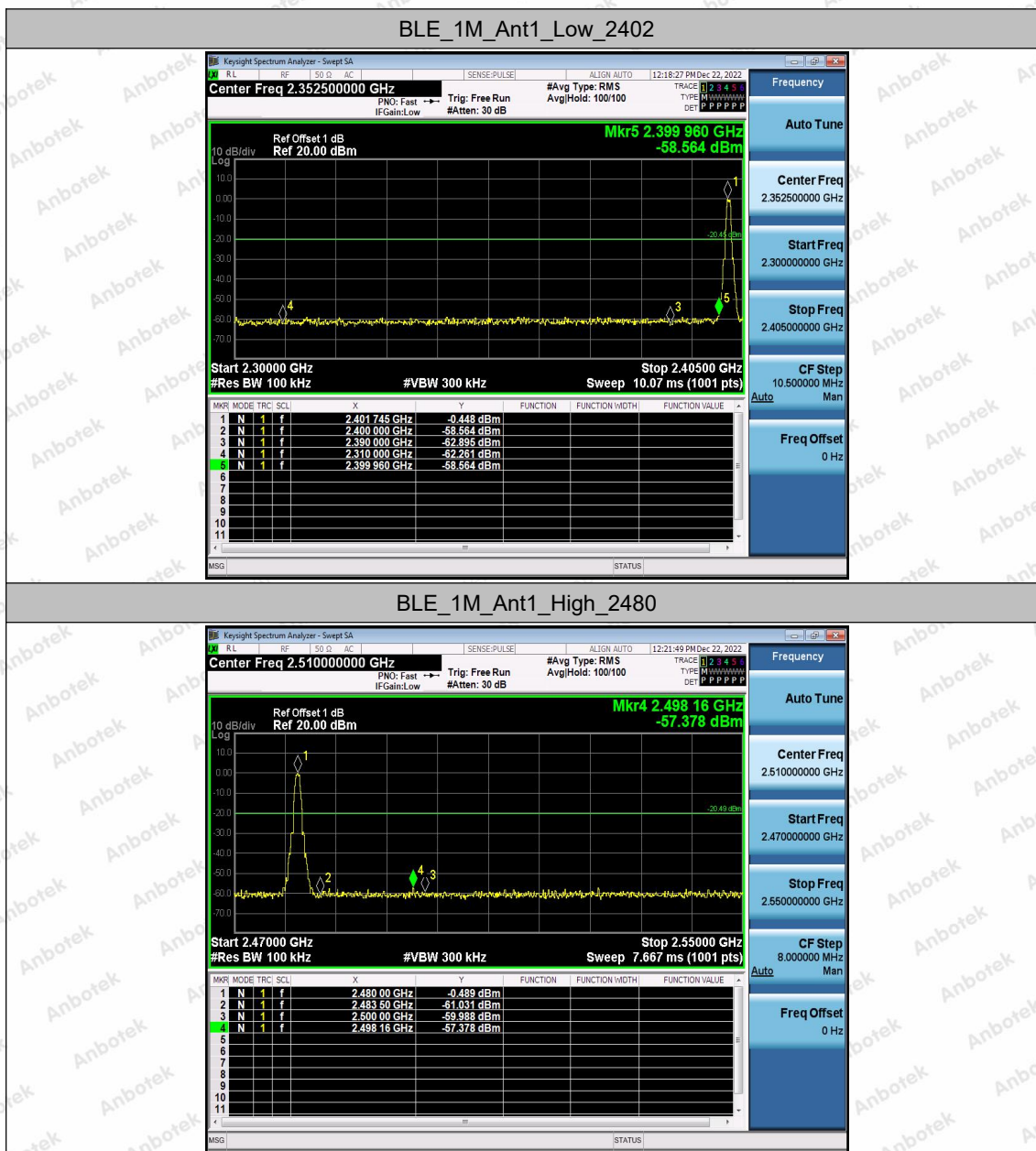
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.45	-58.56	≤-20.45	PASS
		High	2480	-0.49	-57.38	≤-20.49	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	-0.80	-0.80	---	PASS
			30~1000	-0.80	-68.64	≤-20.8	PASS
			1000~26500	-0.80	-53.07	≤-20.8	PASS
		2440	Reference	-1.45	-1.45	---	PASS
			30~1000	-1.45	-67.38	≤-21.45	PASS
			1000~26500	-1.45	-52.95	≤-21.45	PASS
		2480	Reference	-1.02	-1.02	---	PASS
			30~1000	-1.02	-67.8	≤-21.02	PASS
			1000~26500	-1.02	-53.66	≤-21.02	PASS

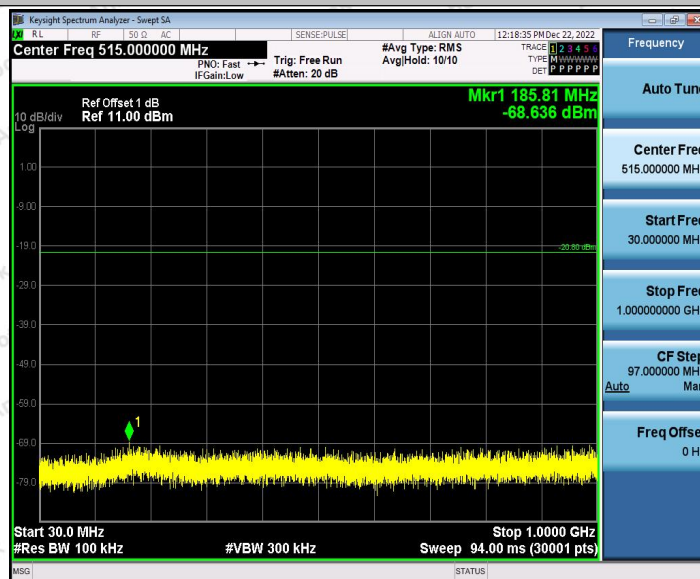


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

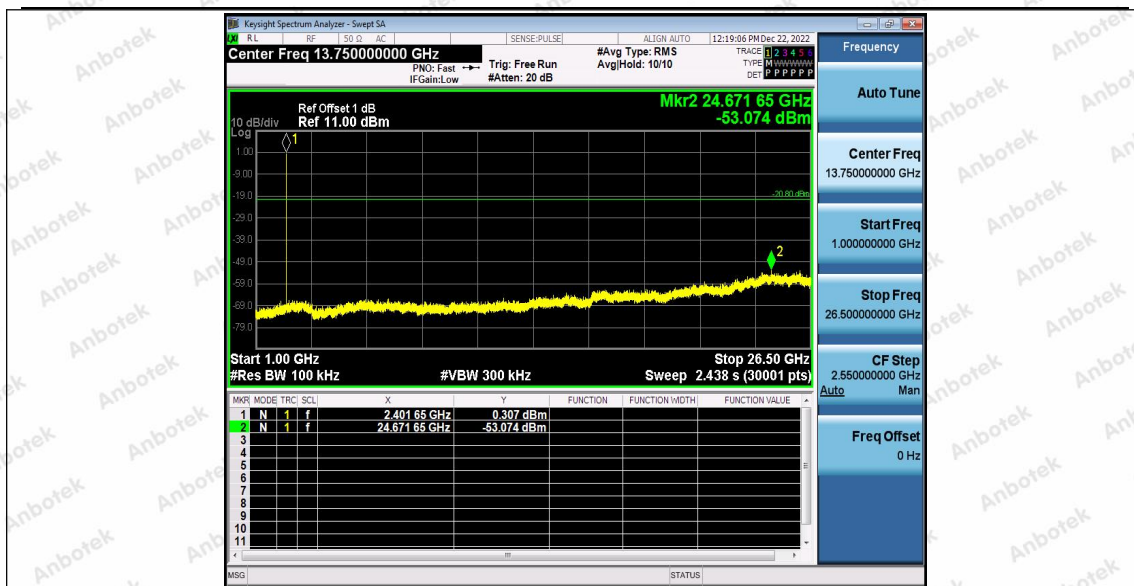
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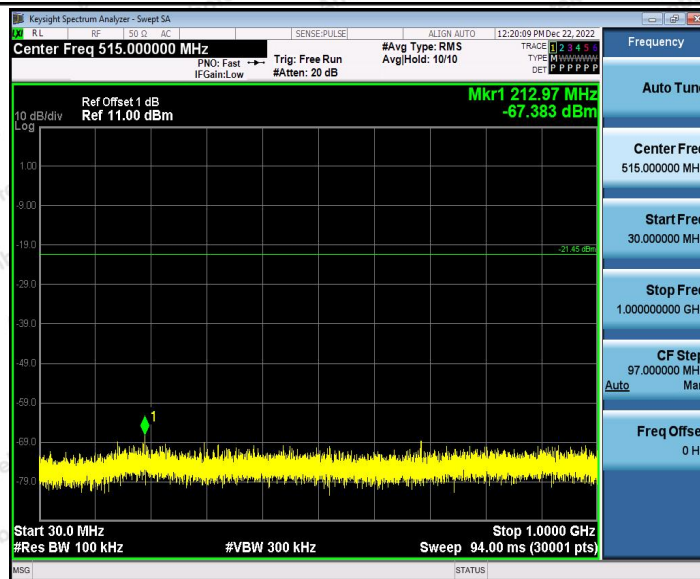


BLE_1M_Ant1_2440_0~Reference

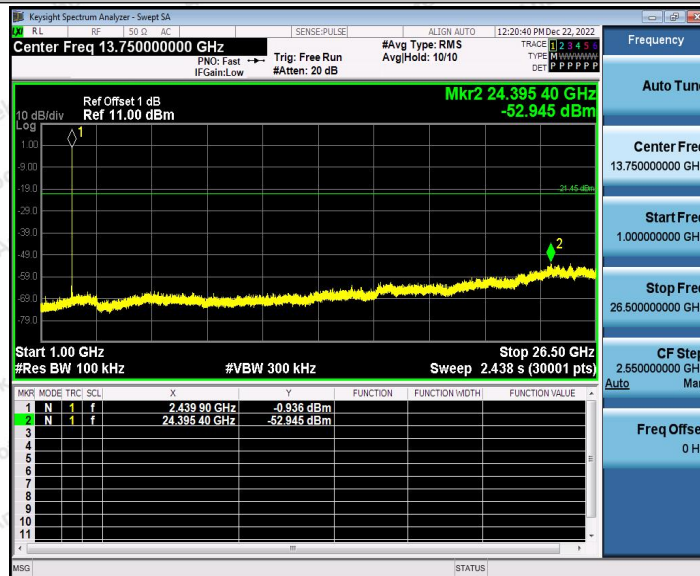


BLE_1M_Ant1_2440_30~1000





BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

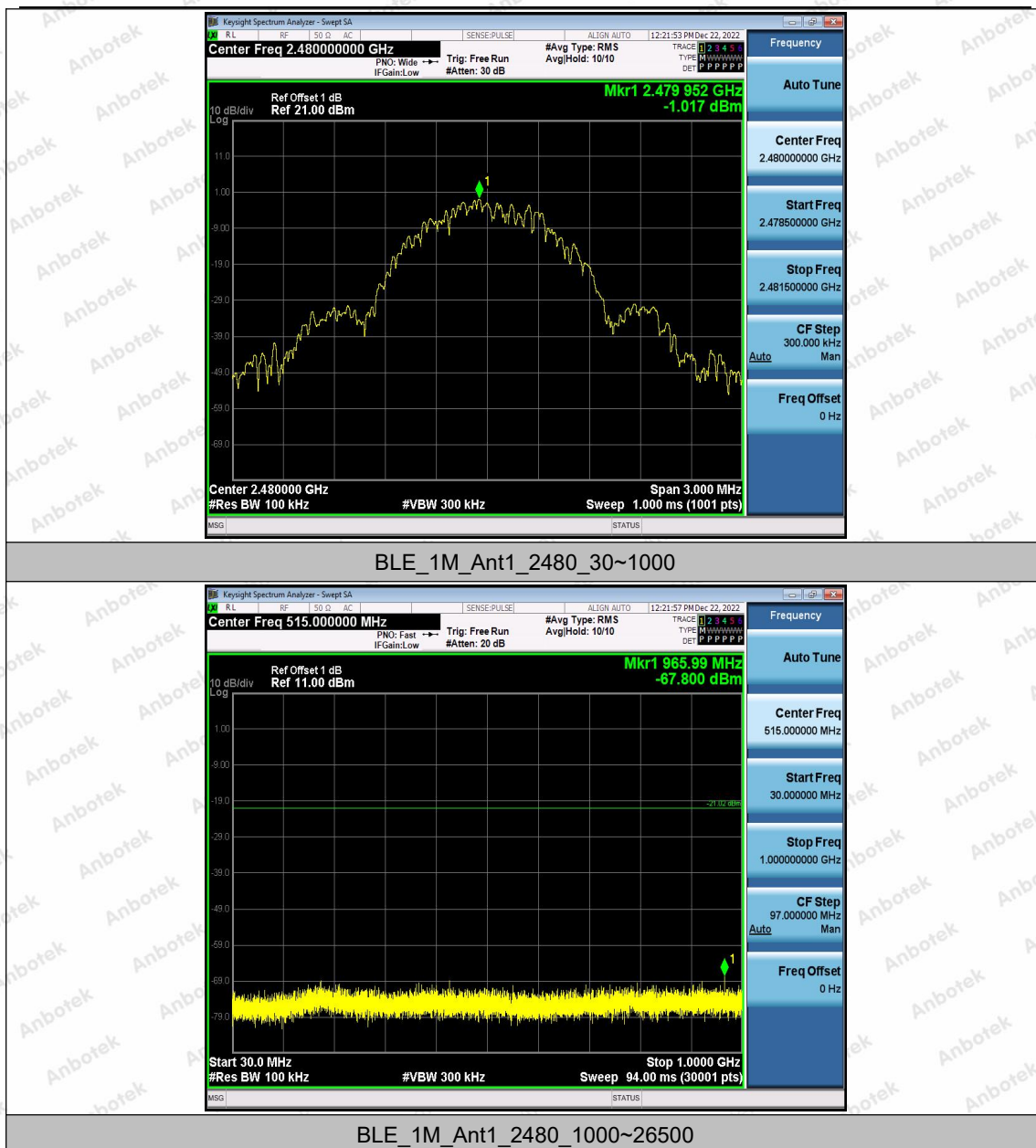
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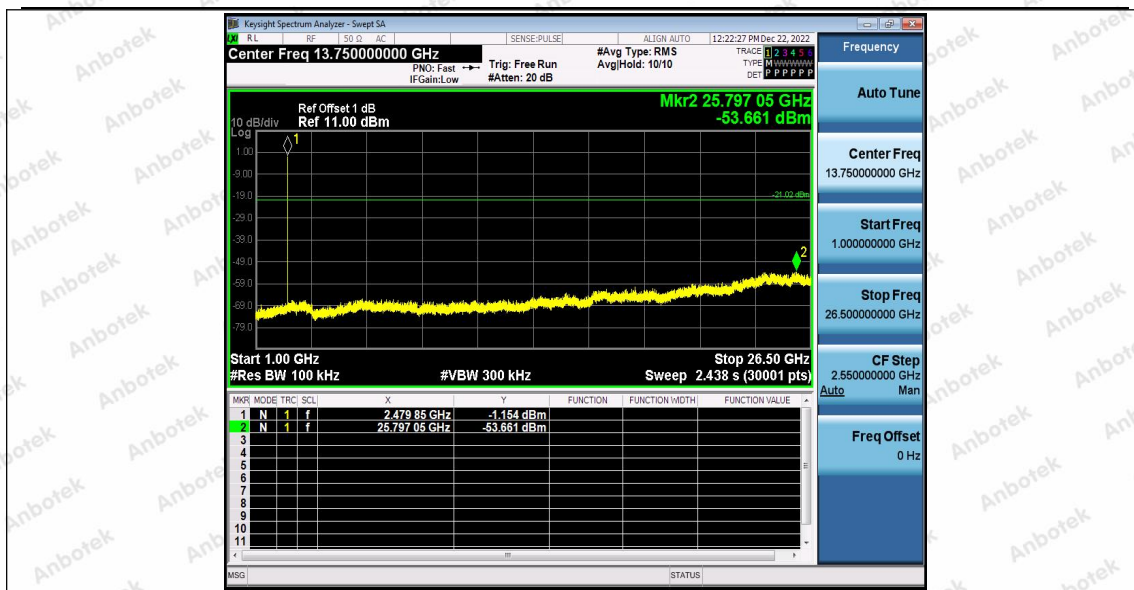
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Appendix G: Duty Cycle

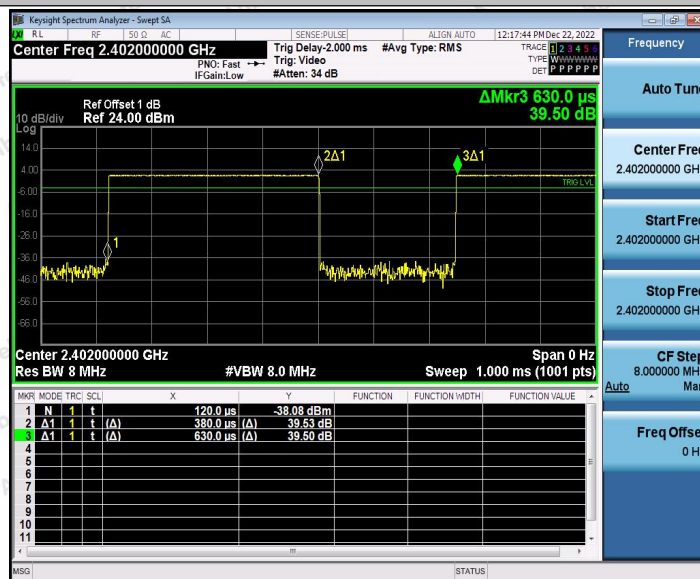
Test Result

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

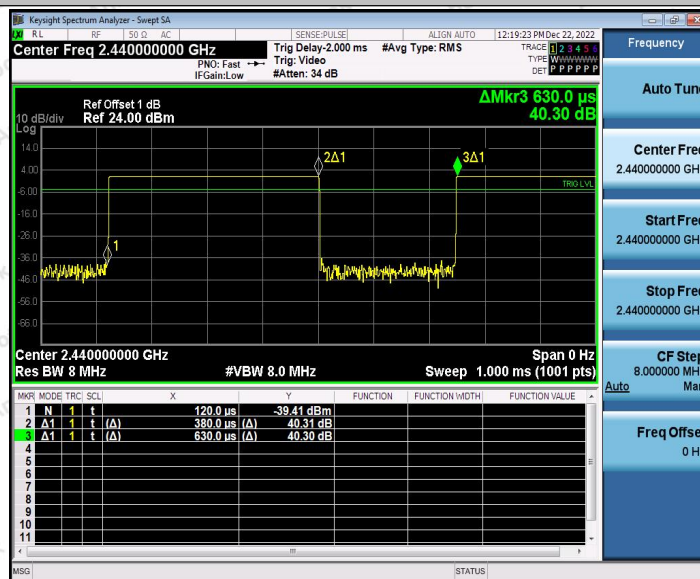


Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

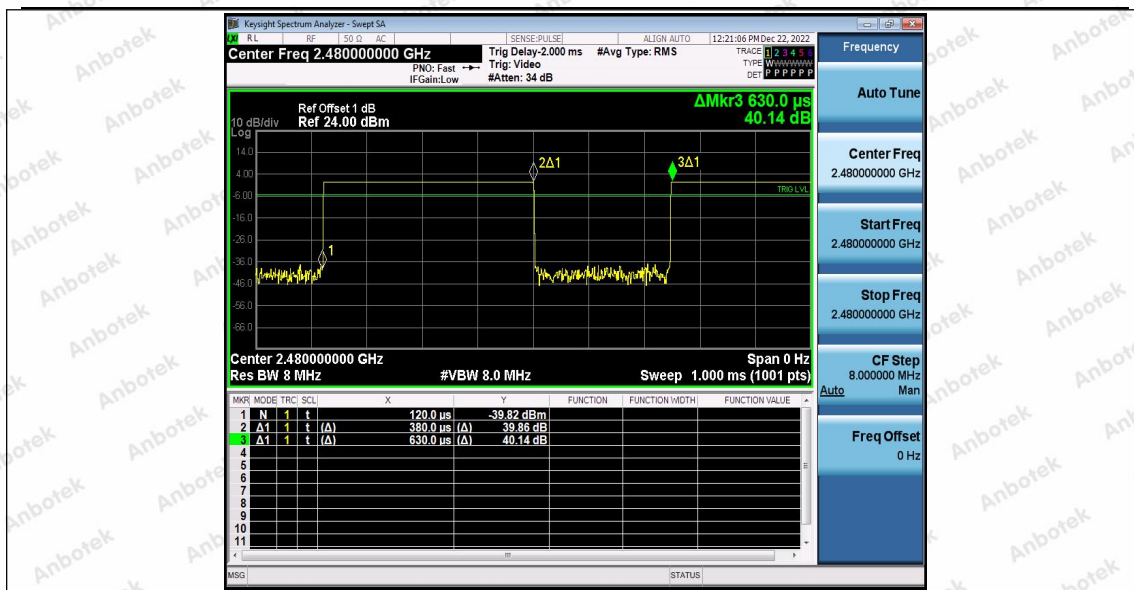
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