

Appendix Test Data

Report No.:	18220WC20179602	Test Sample No.:	1-2-2
Start Test Date:	2022.8.16	Finish Test Date:	2022.8.31
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3C°	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	0.688	2401.660	2402.348	0.5	PASS
		2440	0.688	2439.660	2440.348	0.5	PASS
		2480	0.688	2479.652	2480.340	0.5	PASS



Test Graphs



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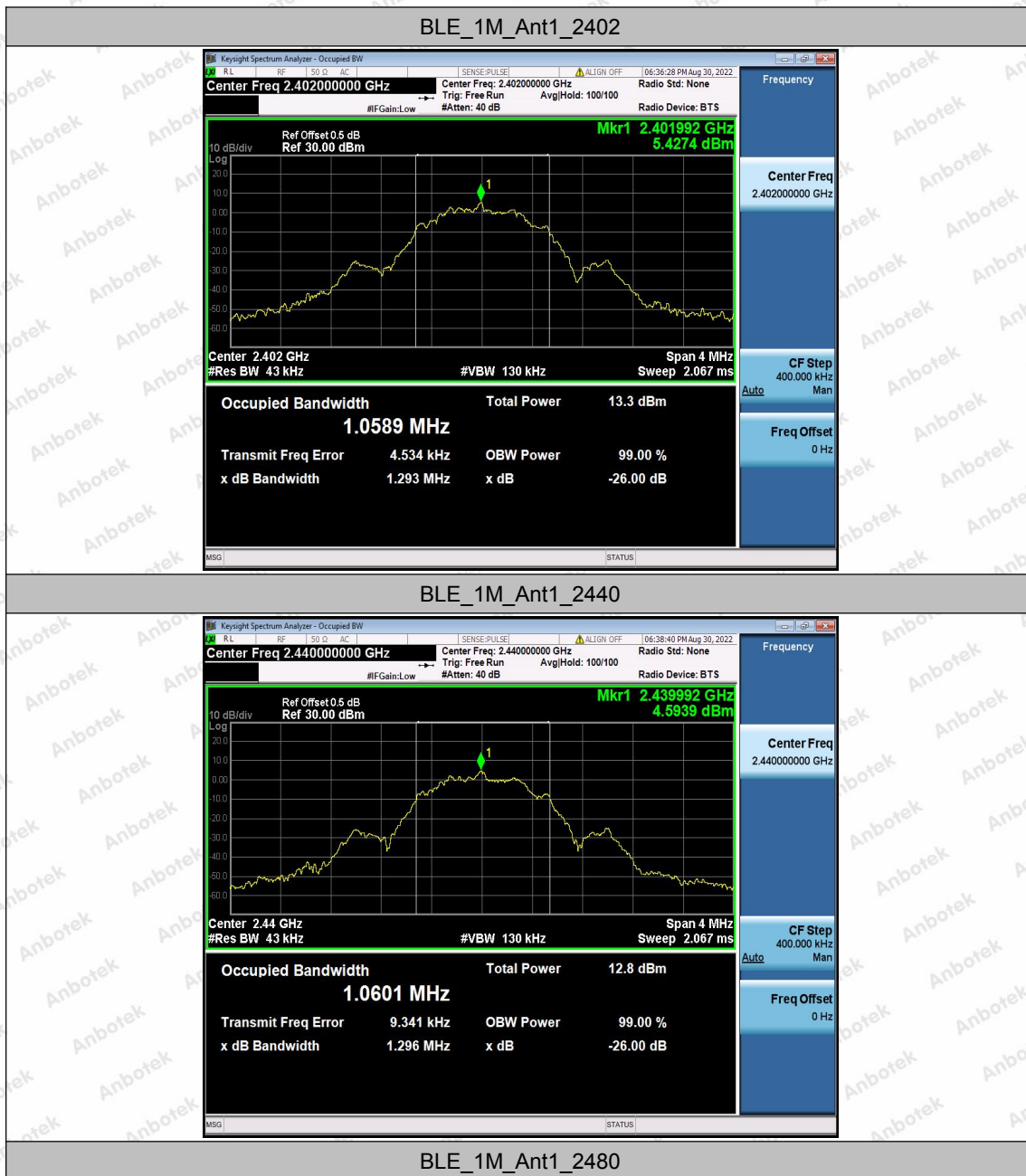
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0589	2401.4751	2402.5340
		2440	1.0601	2439.4793	2440.5394
		2480	1.0630	2479.4826	2480.5456



Test Graphs



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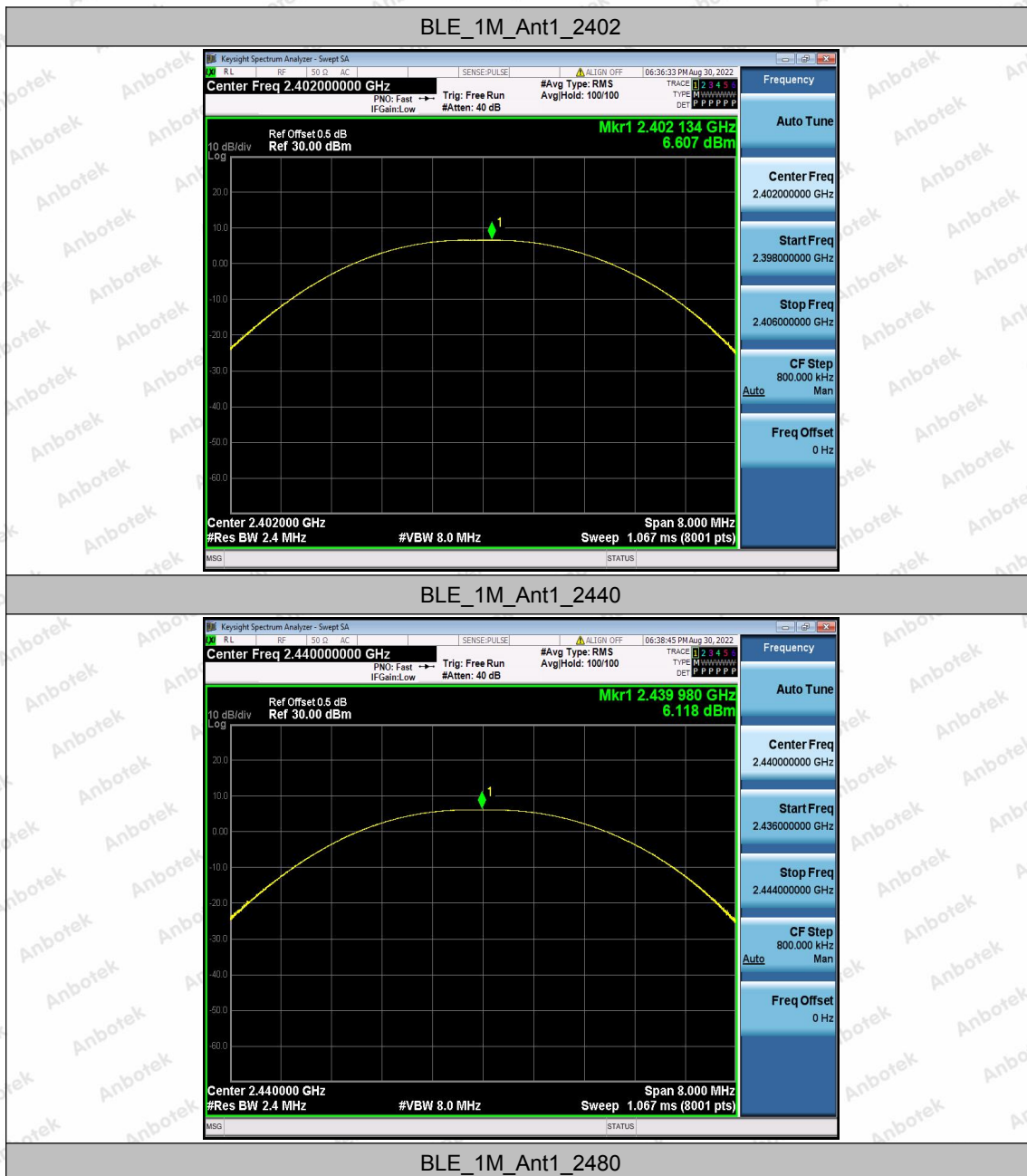
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	6.61	≤30	PASS
		2440	6.12	≤30	PASS
		2480	5.17	≤30	PASS



Test Graphs Peak



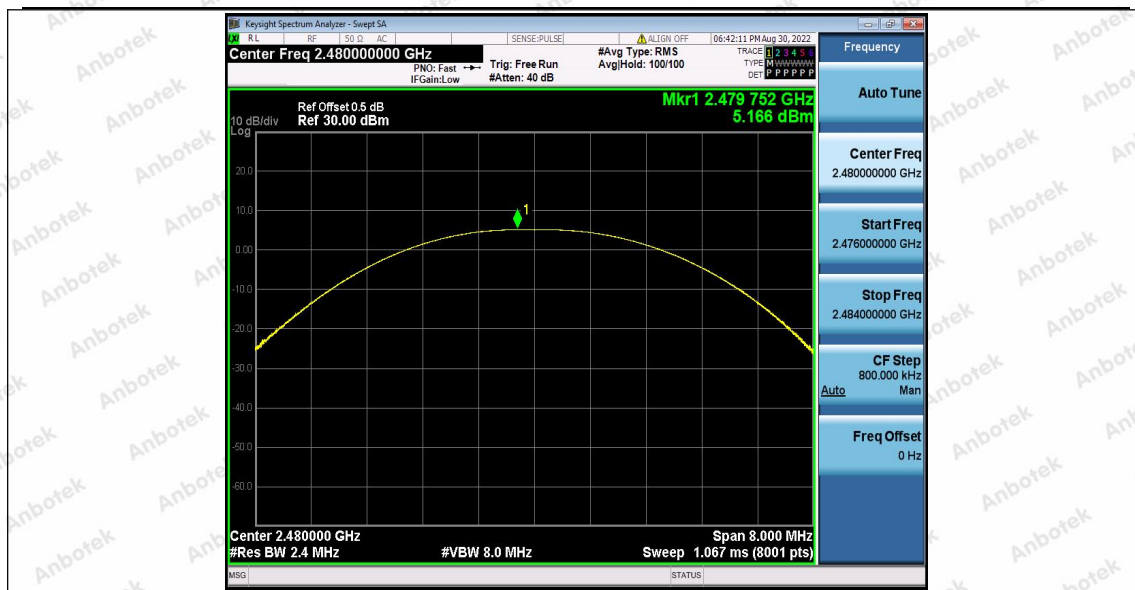
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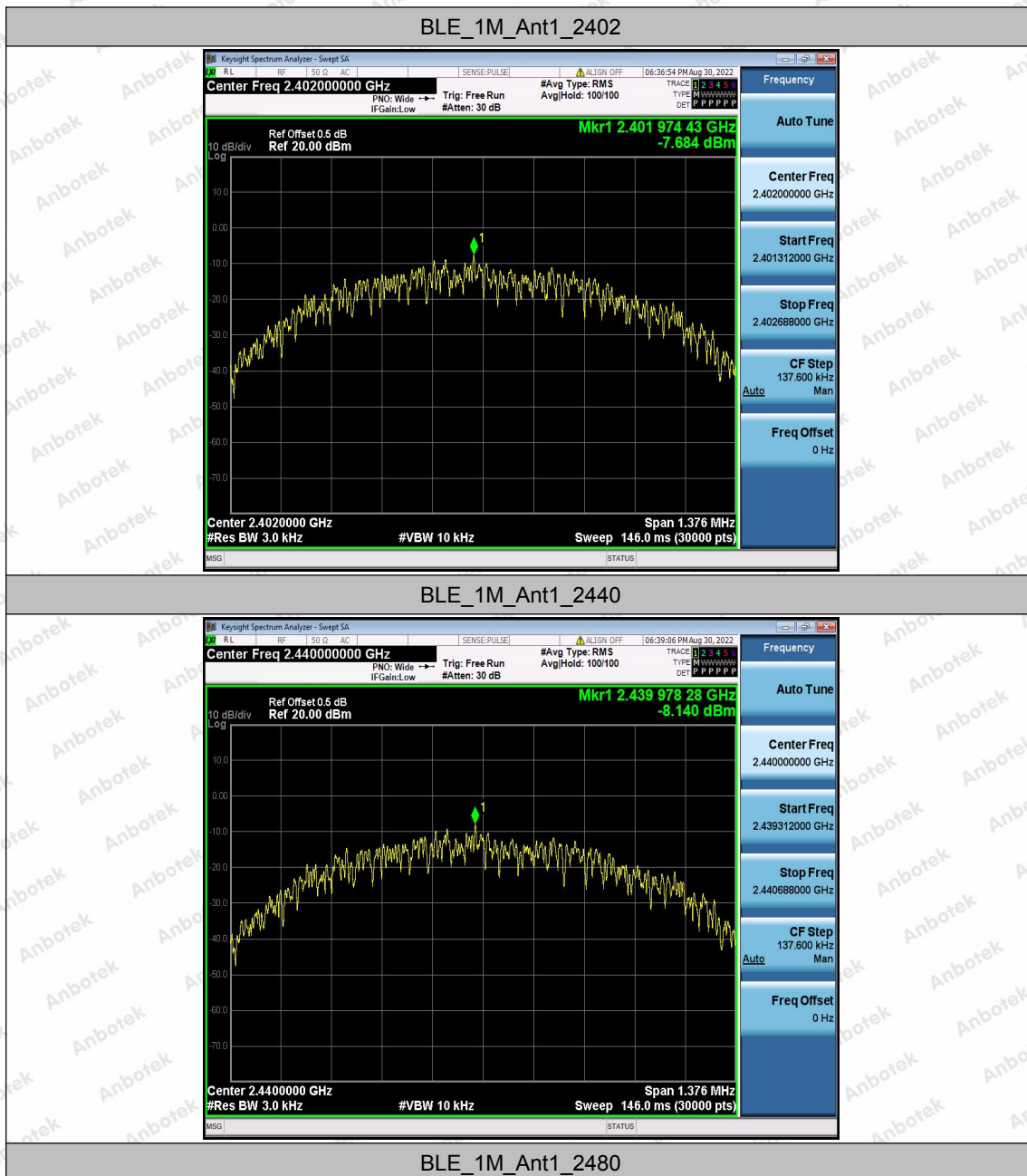
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-7.68	≤8.00	PASS
		2440	-8.14	≤8.00	PASS
		2480	-9.07	≤8.00	PASS



Test Graphs



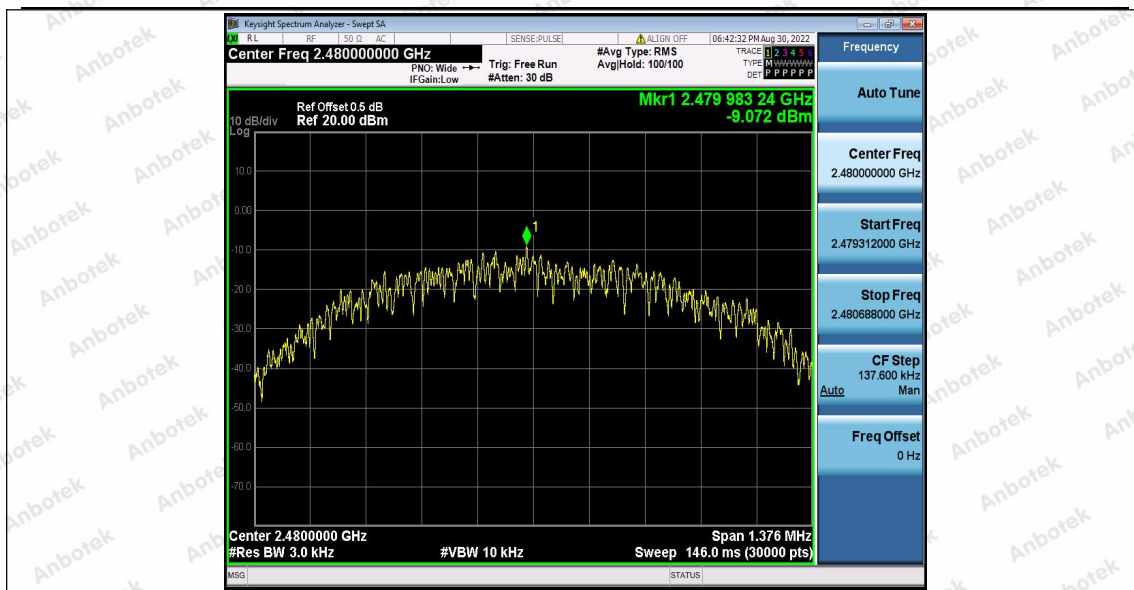
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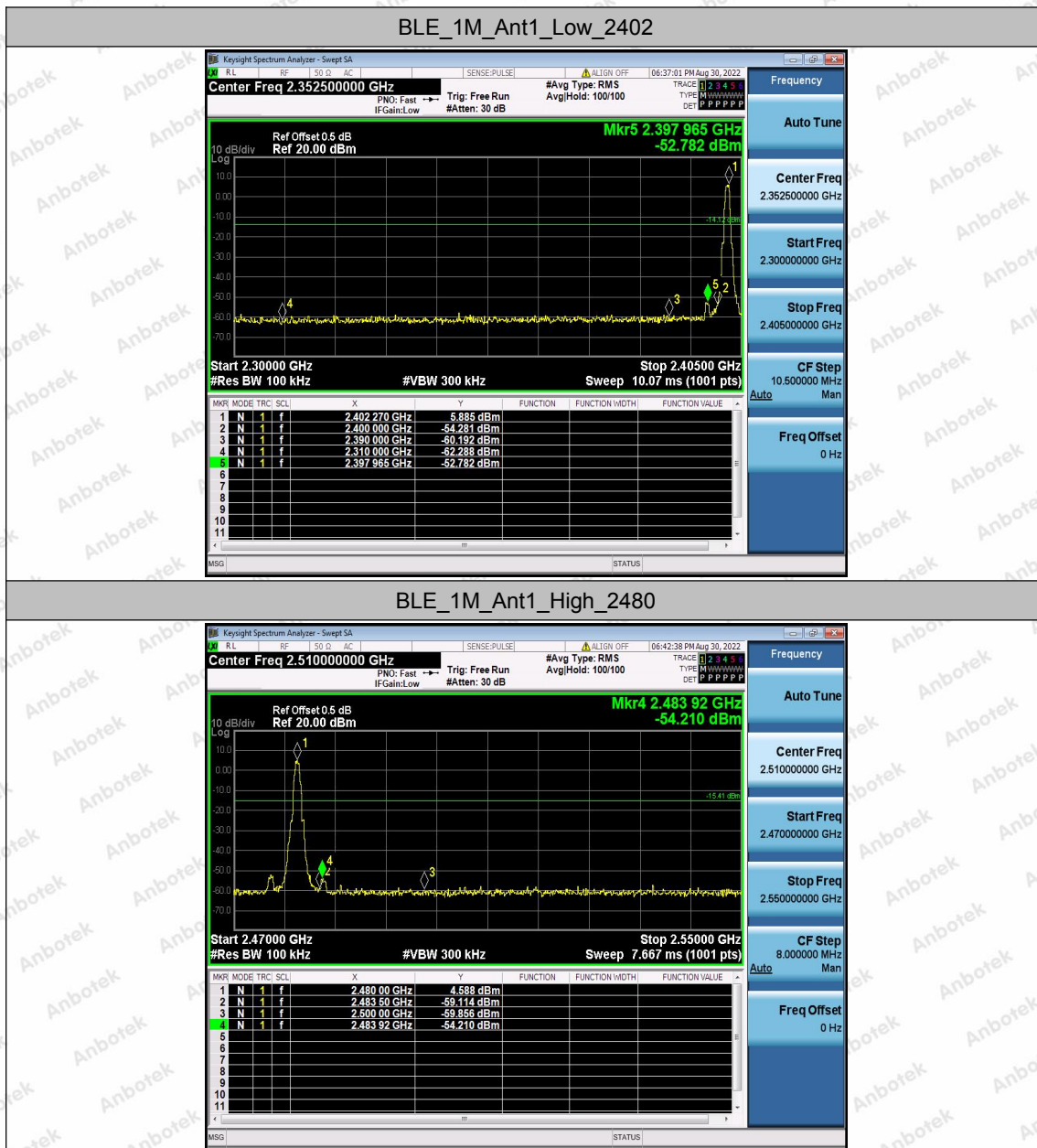
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch Name	Frequency[MHz]	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	5.89	-52.78	≤-14.12	PASS
		High	2480	4.59	-54.21	≤-15.41	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	5.52	5.52	---	PASS
			30~1000	5.52	-69.67	≤-24.48	PASS
			1000~26500	5.52	-53.68	≤-24.48	PASS
		2440	Reference	5.10	5.10	---	PASS
			30~1000	5.10	-69.8	≤-24.9	PASS
			1000~26500	5.10	-53.42	≤-24.9	PASS
		2480	Reference	3.96	3.96	---	PASS
			30~1000	3.96	-68.68	≤-26.04	PASS
			1000~26500	3.96	-53.58	≤-26.04	PASS

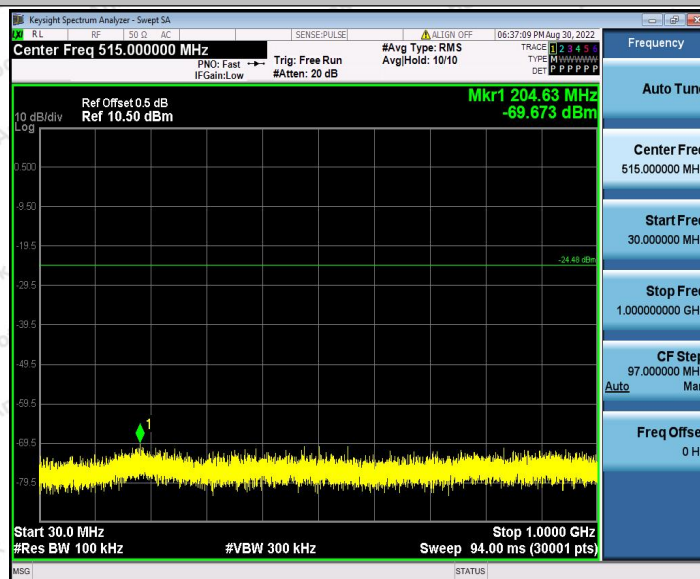


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

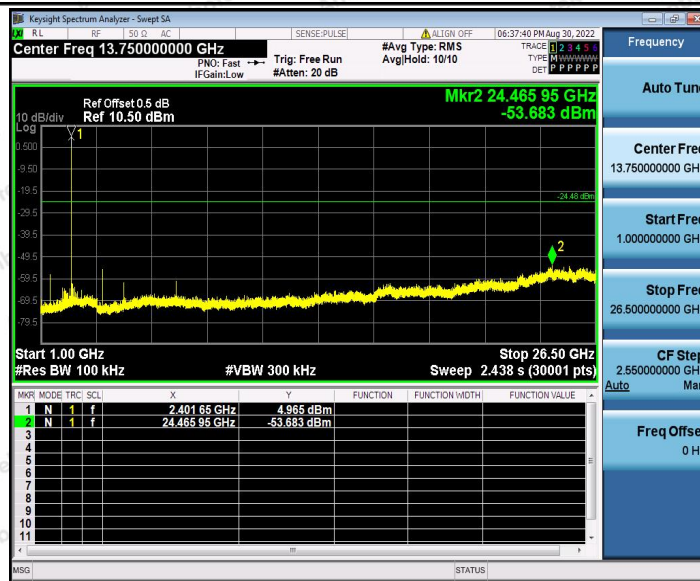
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000

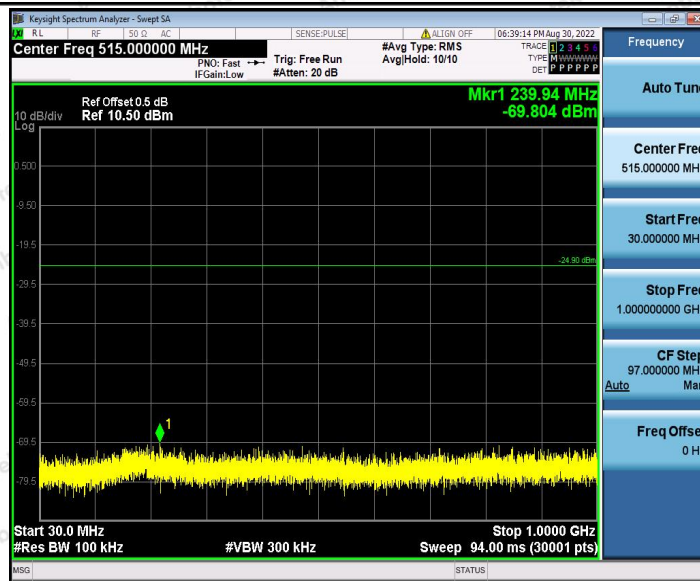
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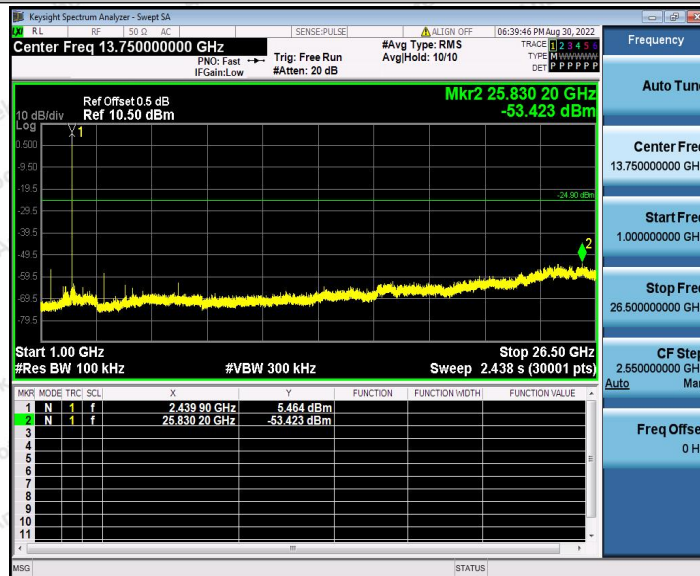


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BLE_1M_Ant1_2440_1000~26500

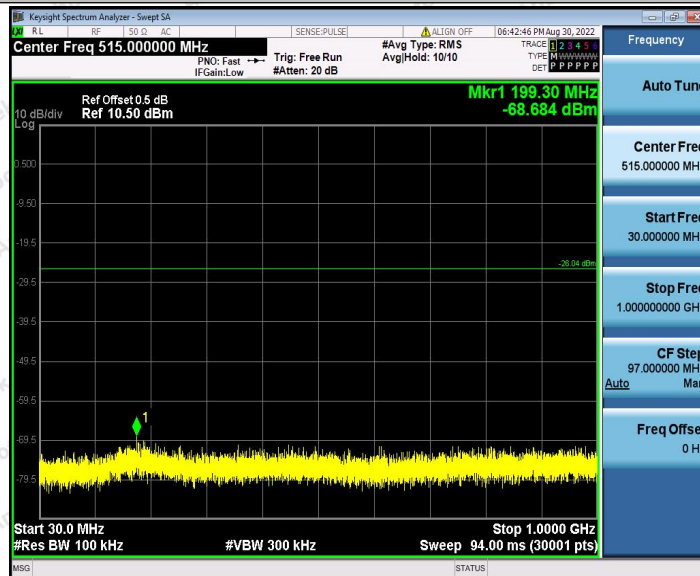


BLE_1M_Ant1_2480_0~Reference





BLE_1M_Ant1_2480_30~1000



BLE_1M_Ant1_2480_1000~26500

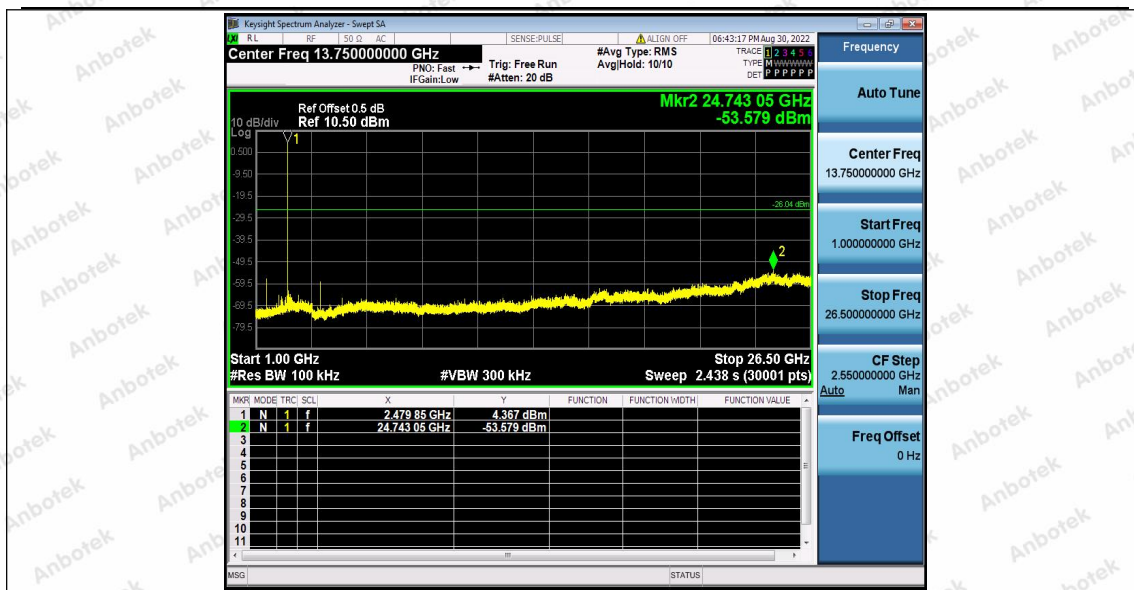
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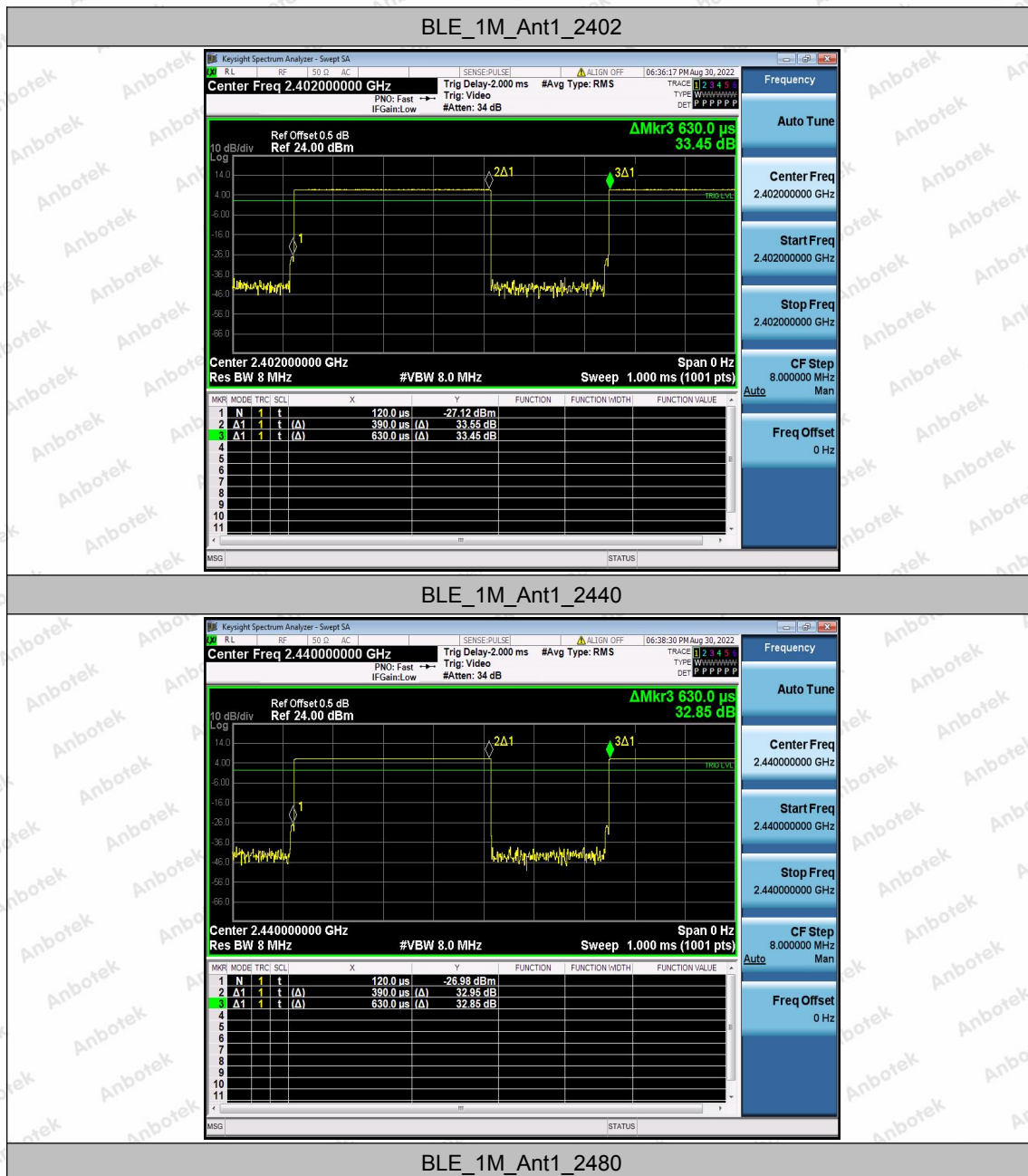
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.39	0.63	61.90	2.08
		2440	0.39	0.63	61.90	2.08
		2480	0.39	0.63	61.90	2.08



Test Graphs



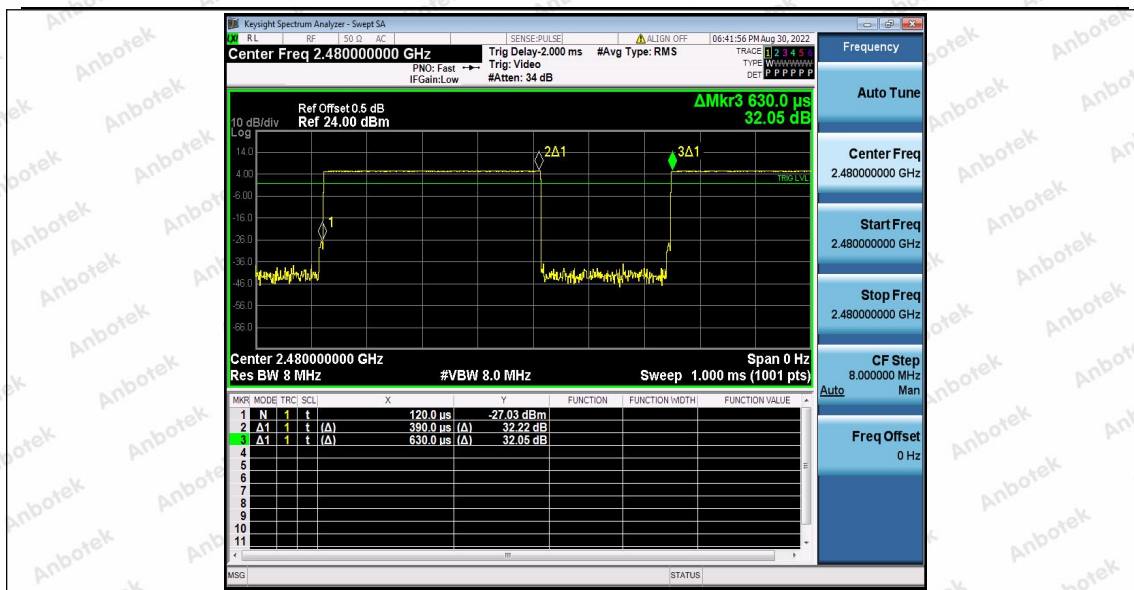
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