

Appendix Test Data

Report No.:	18220WC20164502	Test Sample No.:	1-2-2
Start Test Date:	2022.7.26	Finish Test Date:	2022.8.15
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	27.3°C	Relative Humidity:	46%
Pressure:	1012 hPa		

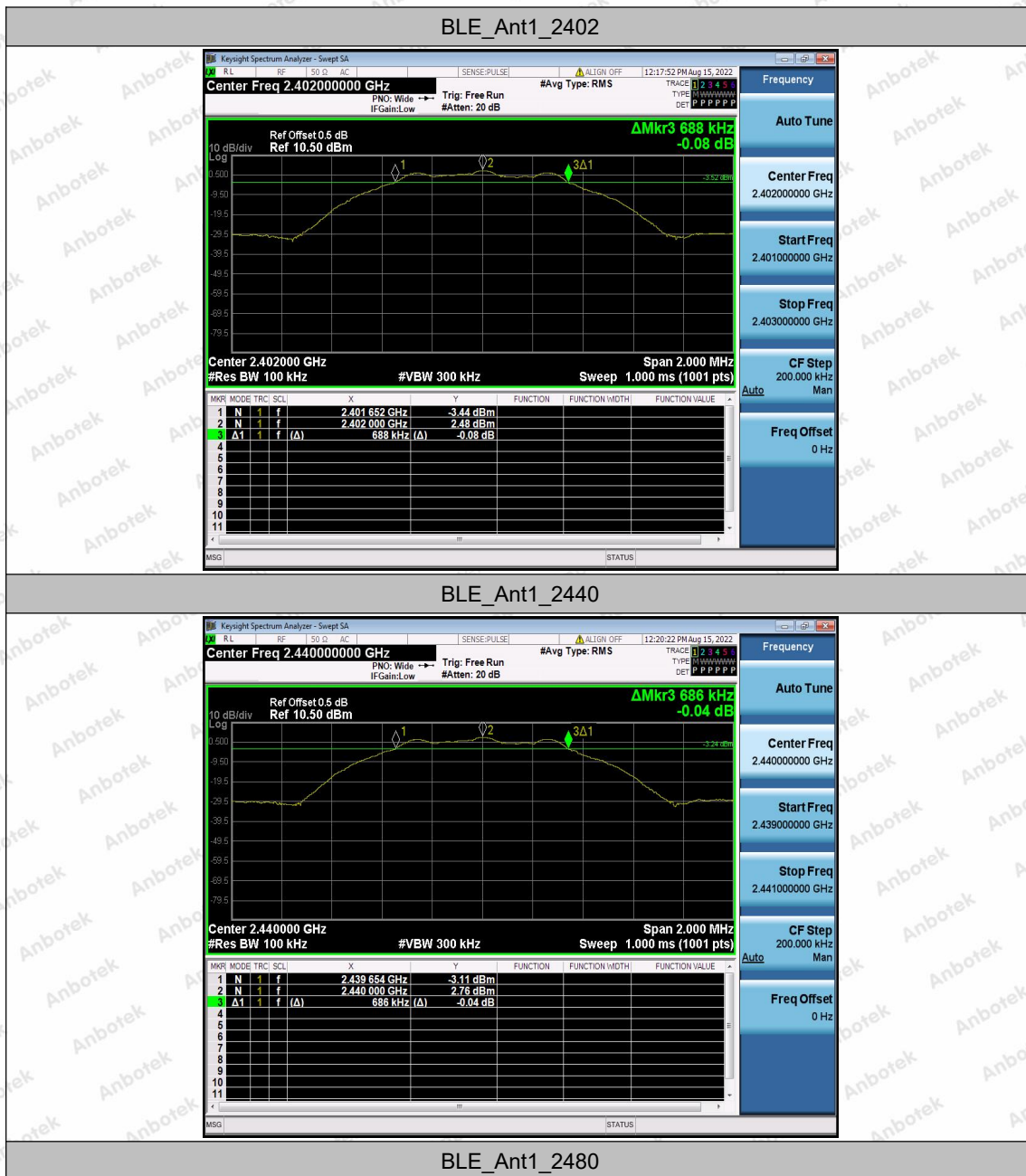
Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	0.688	2401.652	2402.340	≥0.5	PASS
		2440	0.686	2439.654	2440.340	≥0.5	PASS
		2480	0.690	2479.652	2480.342	≥0.5	PASS



Test Graphs



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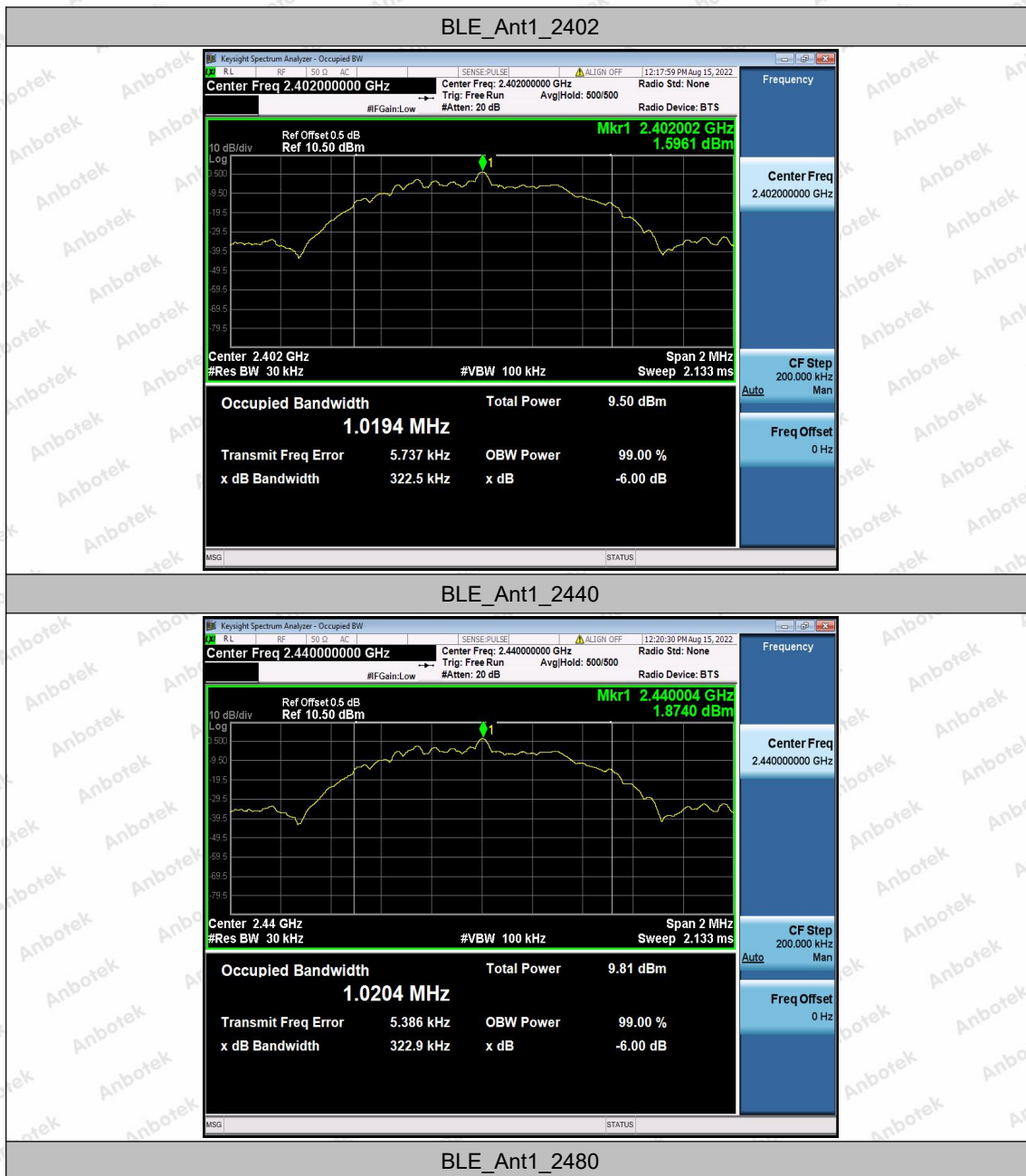
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE	Ant1	2402	1.0194	2401.4960	2402.5154
		2440	1.0204	2439.4952	2440.5156
		2480	1.0209	2479.4952	2480.5161



Test Graphs



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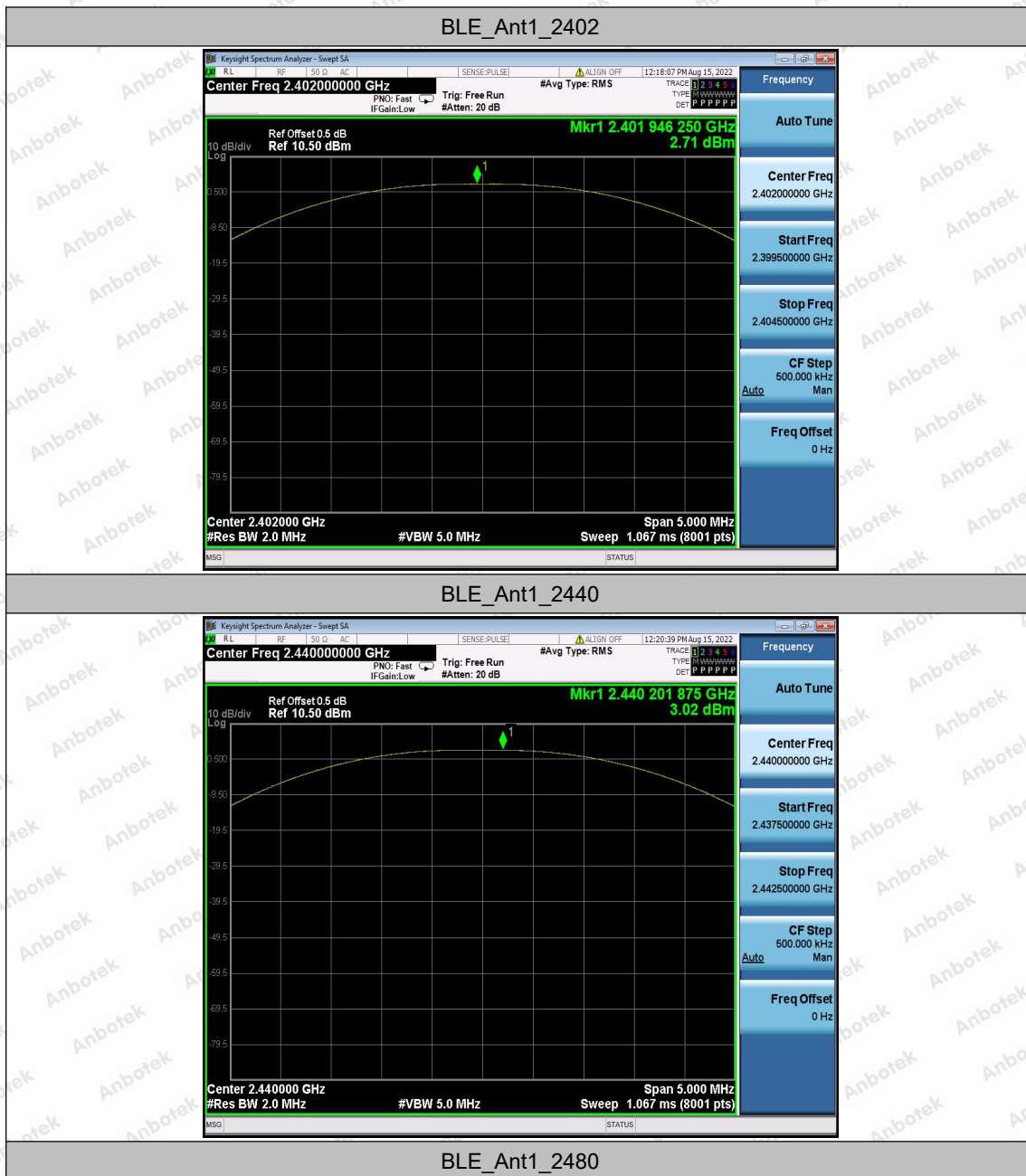
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit[dBm]	Verdict
BLE	Ant1	2402	2.71	≤20	PASS
		2440	3.02	≤20	PASS
		2480	3.17	≤20	PASS



Test Graphs Peak



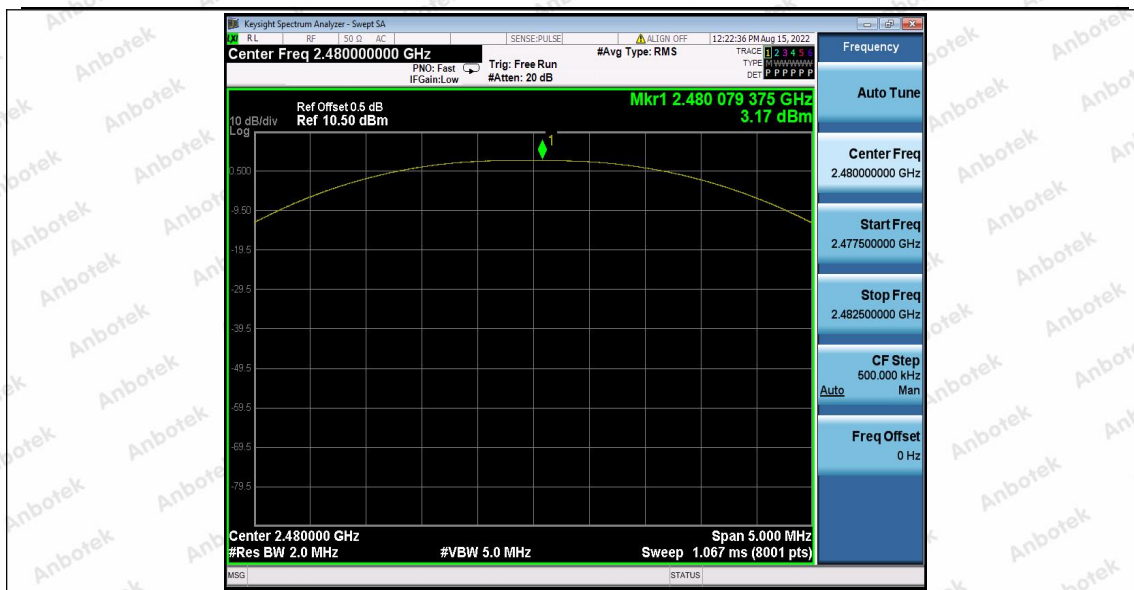
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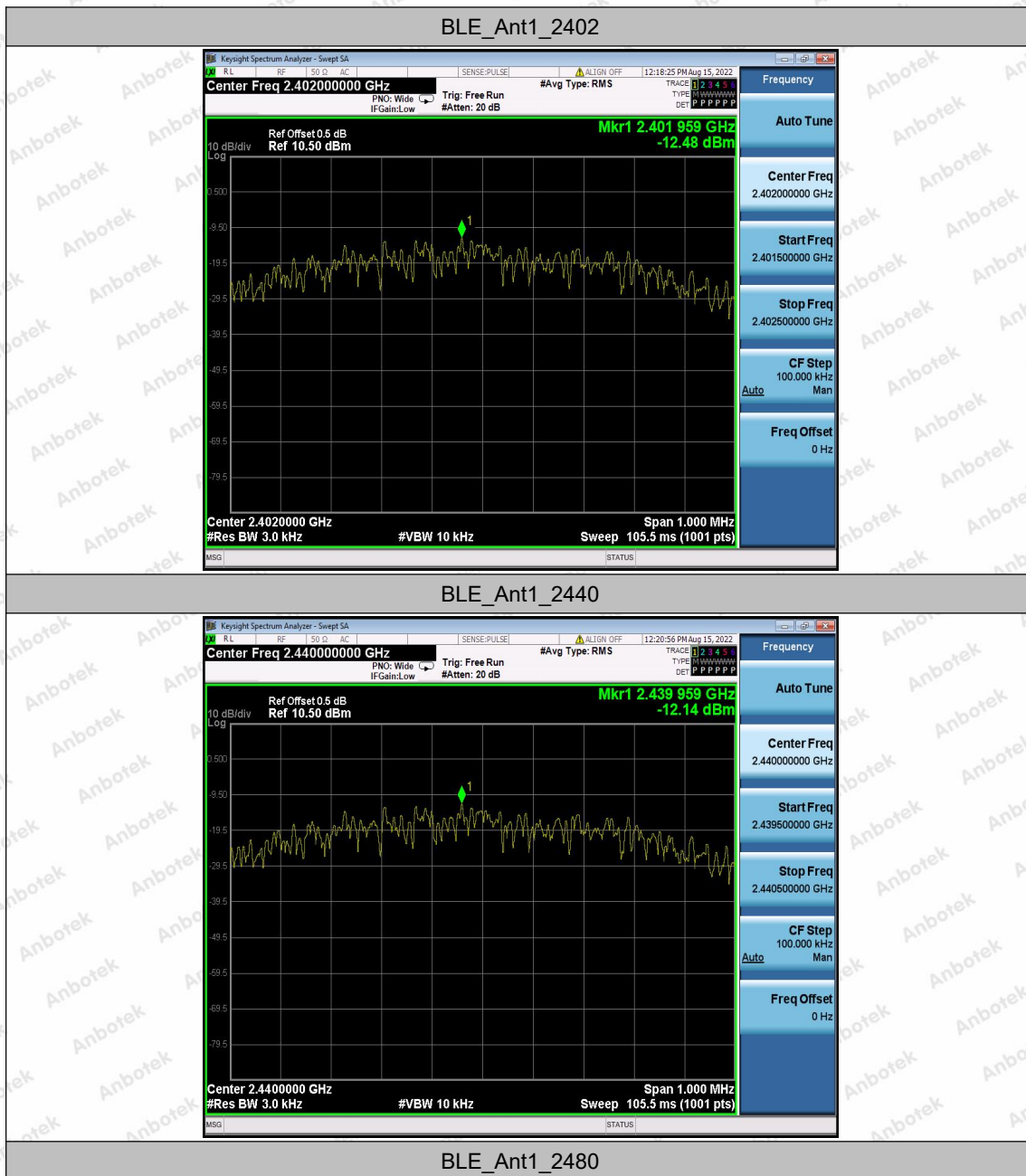
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-12.48	≤8.00	PASS
		2440	-12.14	≤8.00	PASS
		2480	-11.97	≤8.00	PASS



Test Graphs



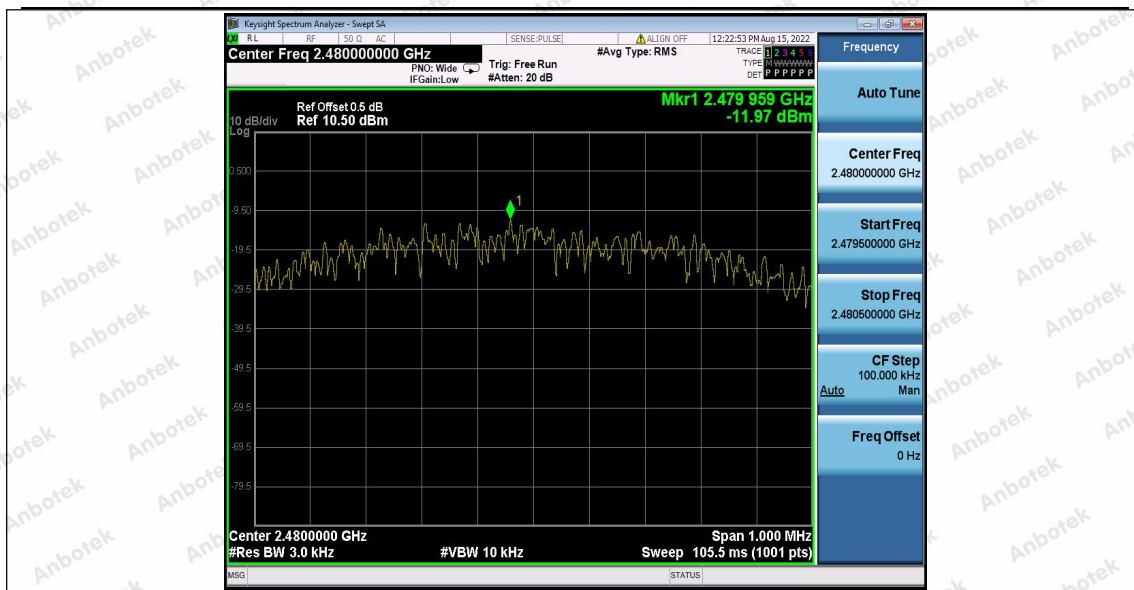
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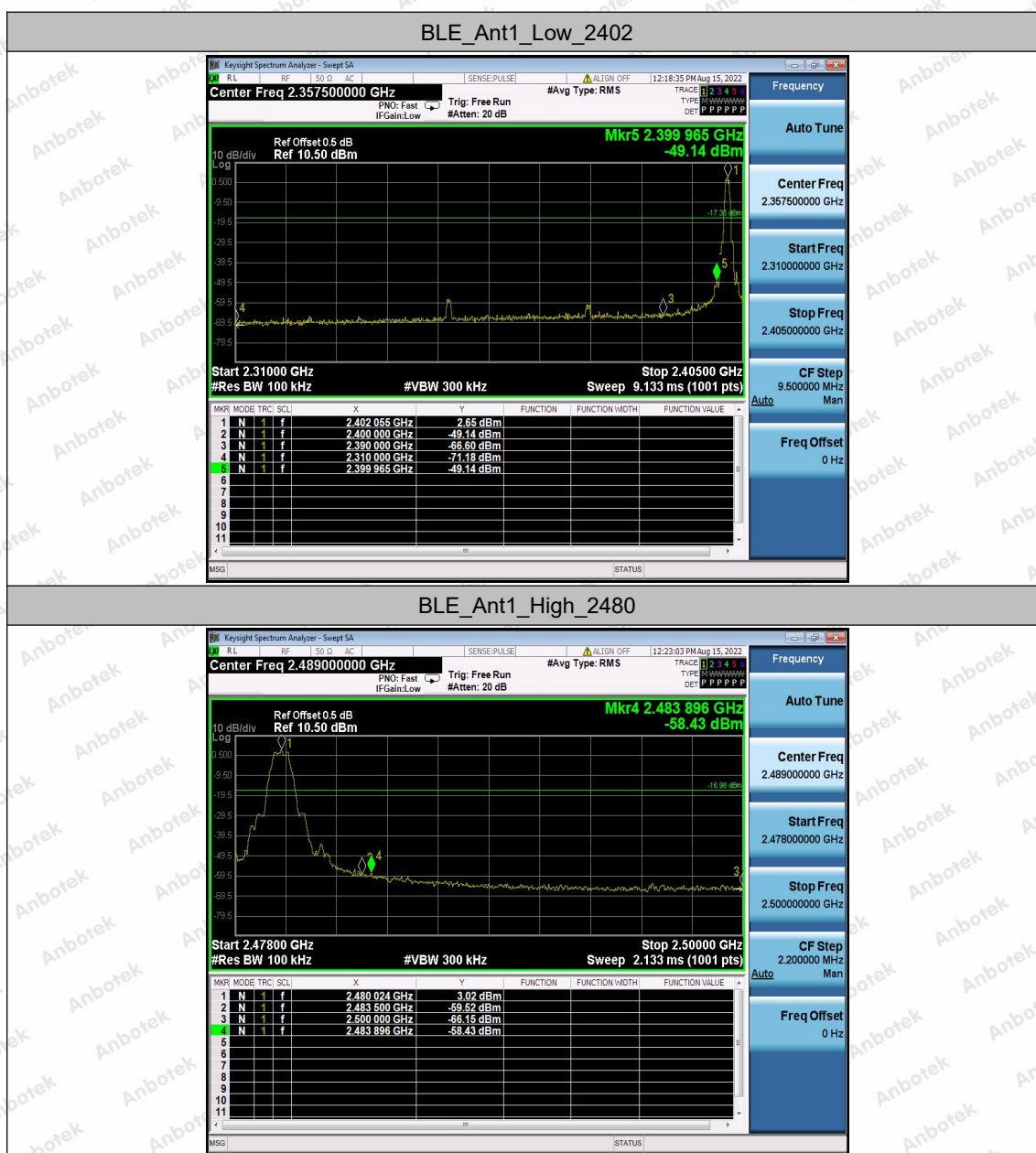


Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch Name	Frequency[MHz]	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	2.65	-49.14	≤-17.35	PASS
		High	2480	3.02	-58.43	≤-16.98	PASS

Test Graphs



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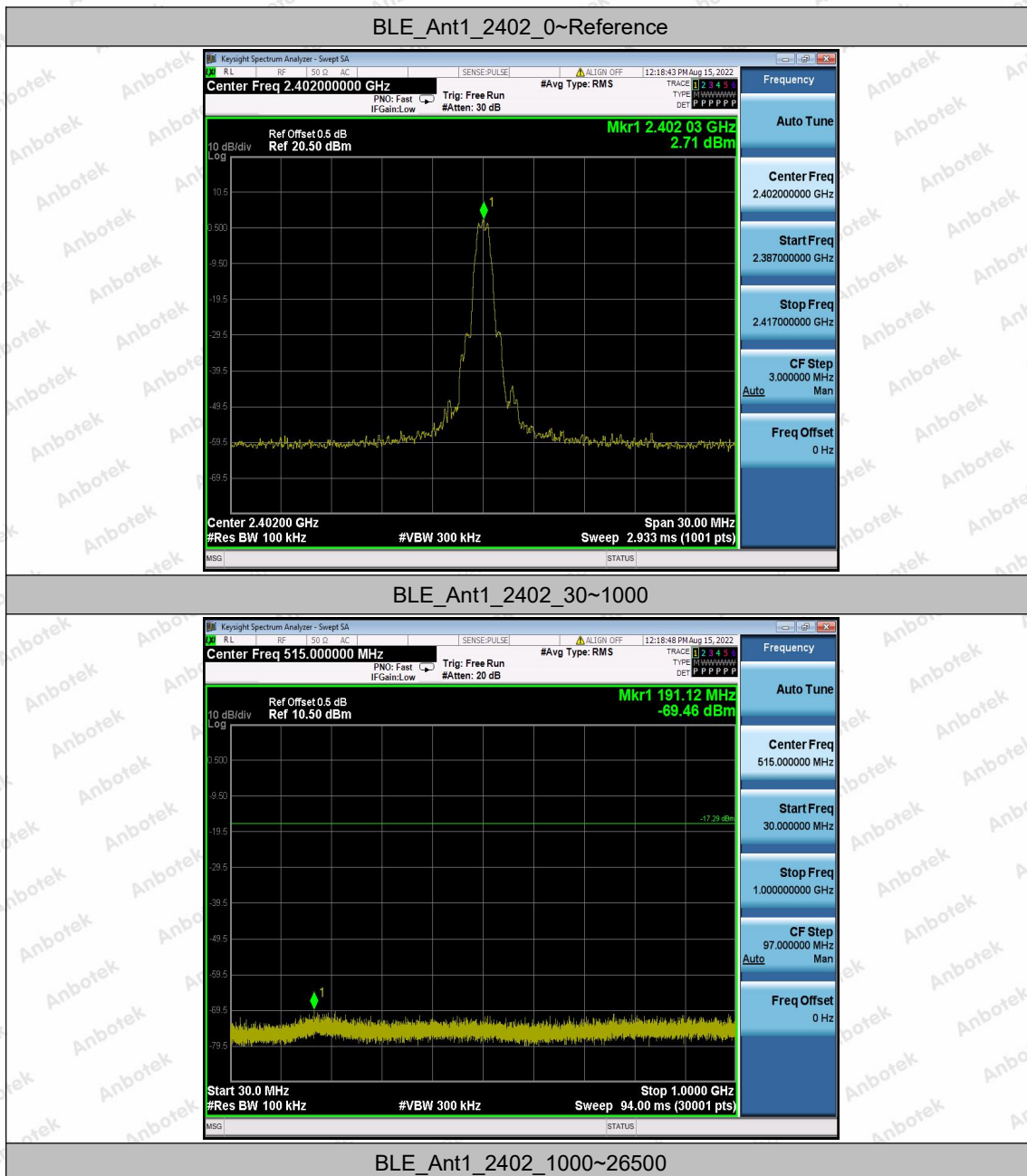
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq Range [MHz]	Ref Level [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	2.71	2.71	---	PASS
			30~1000	2.71	-69.46	≤-17.29	PASS
			1000~26500	2.71	-39.78	≤-17.29	PASS
		2440	Reference	2.83	2.83	---	PASS
			30~1000	2.83	-69.11	≤-17.17	PASS
			1000~26500	2.83	-39.63	≤-17.17	PASS
		2480	Reference	3.02	3.02	---	PASS
			30~1000	3.02	-69.39	≤-16.98	PASS
			1000~26500	3.02	-37.34	≤-16.98	PASS



Test Graphs



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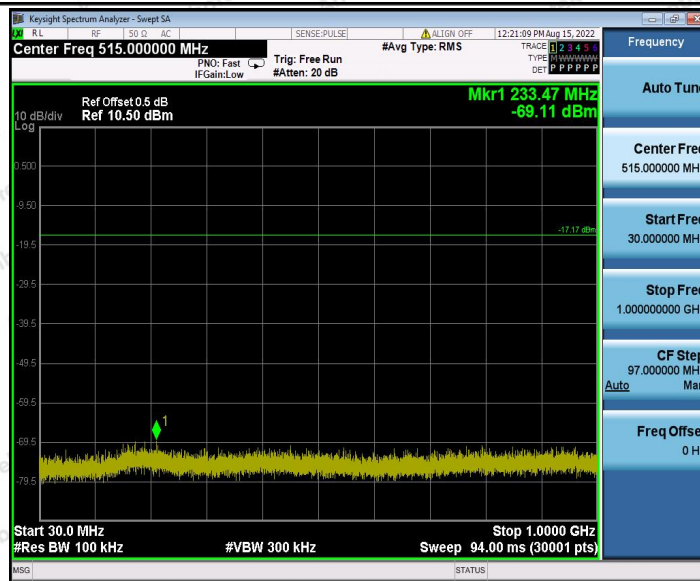
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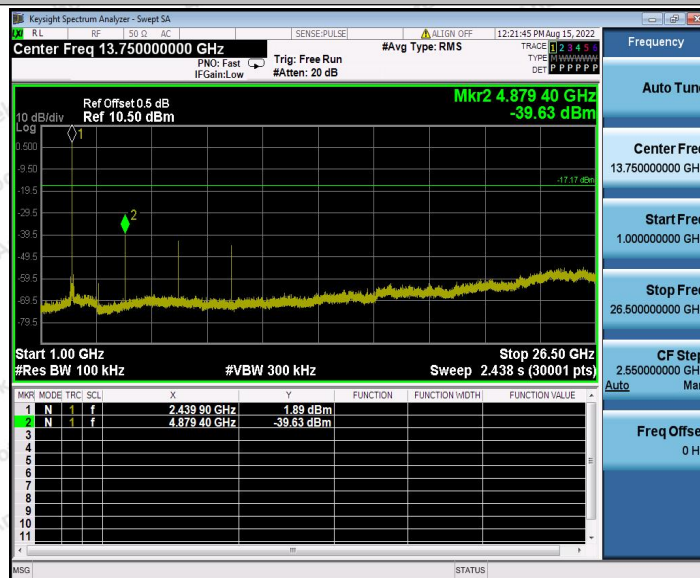
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BLE_Ant1_2440_1000~26500



BLE_Ant1_2480_0~Reference

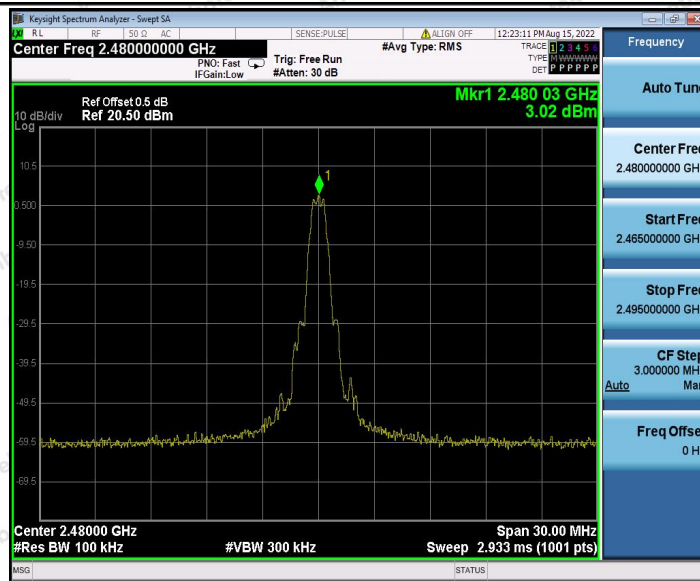
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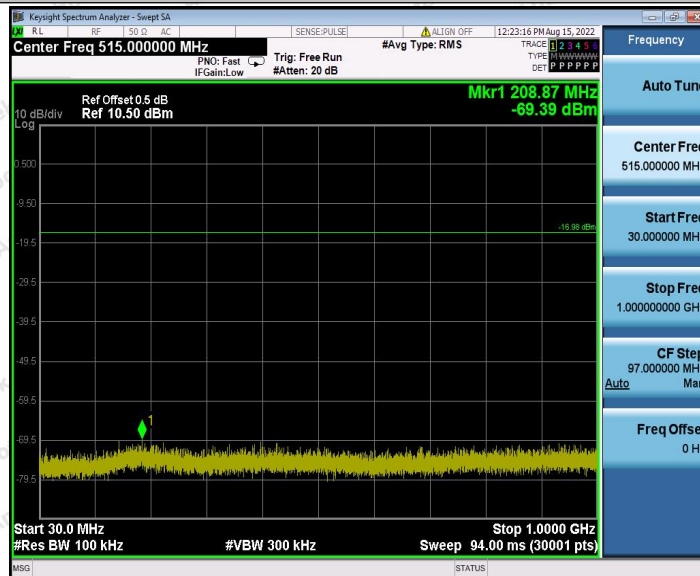


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BLE_Ant1_2480_30~1000



BLE_Ant1_2480_1000~26500

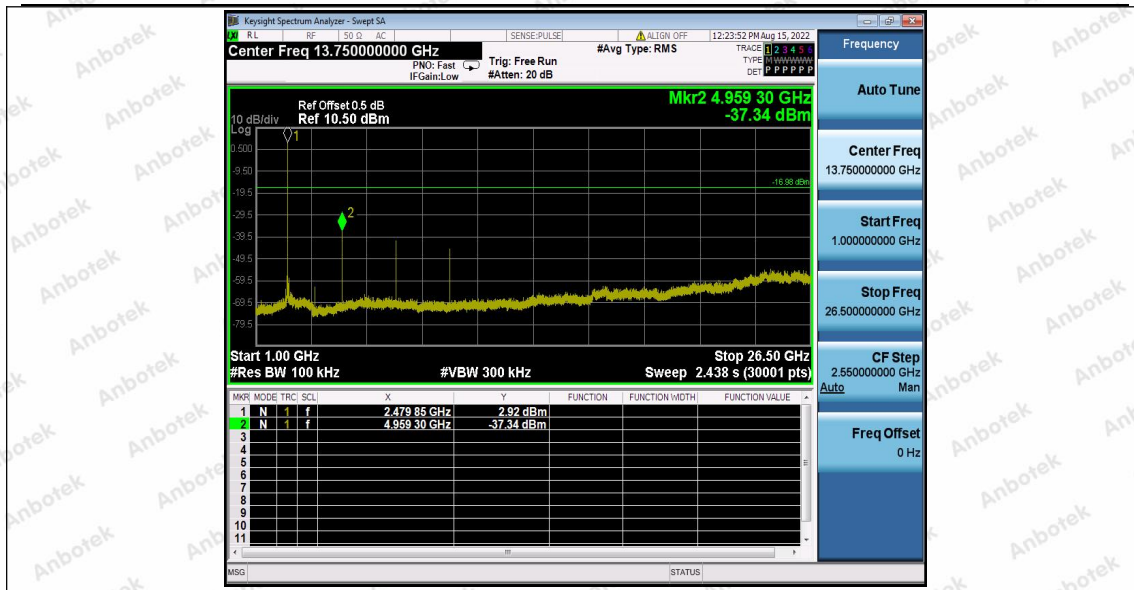
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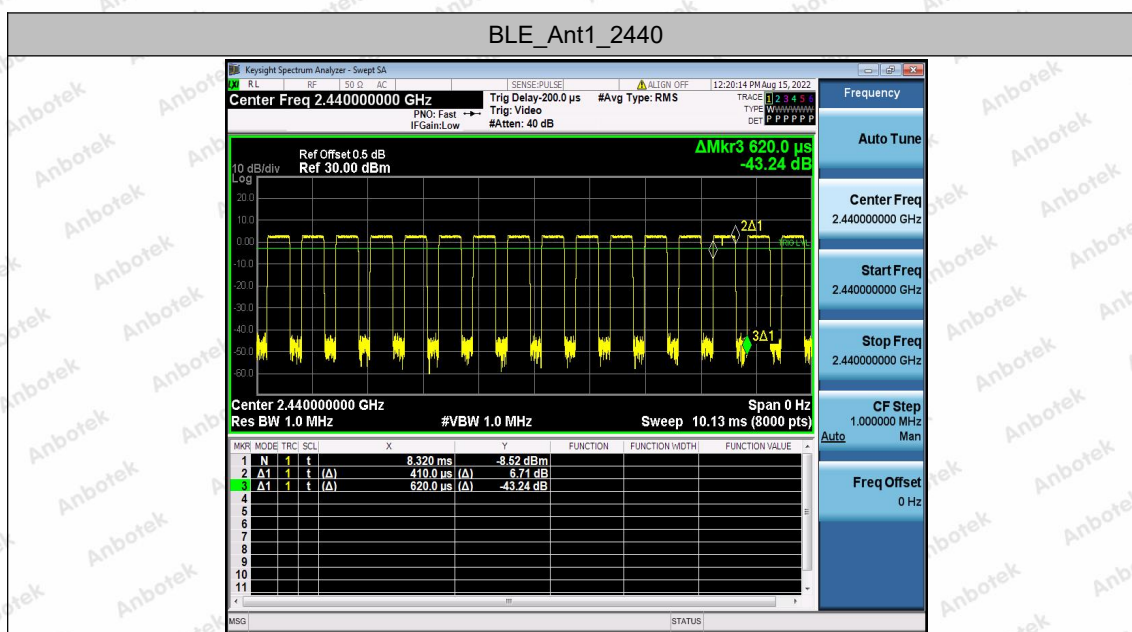


Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE	Ant1	2440	0.41	0.62	66.13	1.80

Test Graphs



---End---

