

Appendix Test Data

Report No.:	18220WC20186201	Test Sample No.:	1-2-2
Start Test Date:	2022.8.16	Finish Test Date:	2022.8.25
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	27.3°C	Relative Humidity:	47 %
Pressure:	1012 hPa		

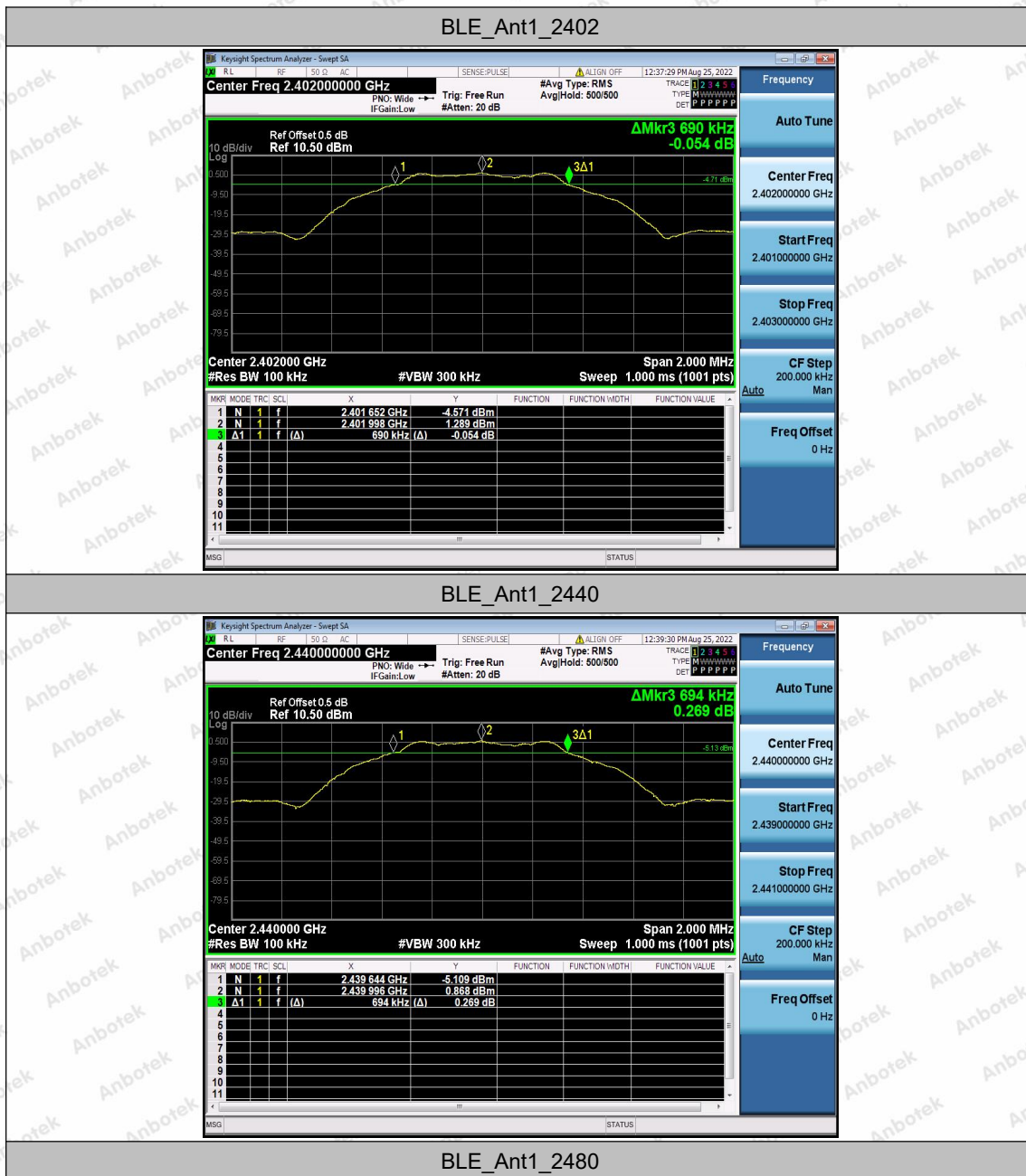
Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	0.690	2401.652	2402.342	≥0.5	PASS
		2440	0.694	2439.644	2440.338	≥0.5	PASS
		2480	0.696	2479.644	2480.340	≥0.5	PASS



Test Graphs



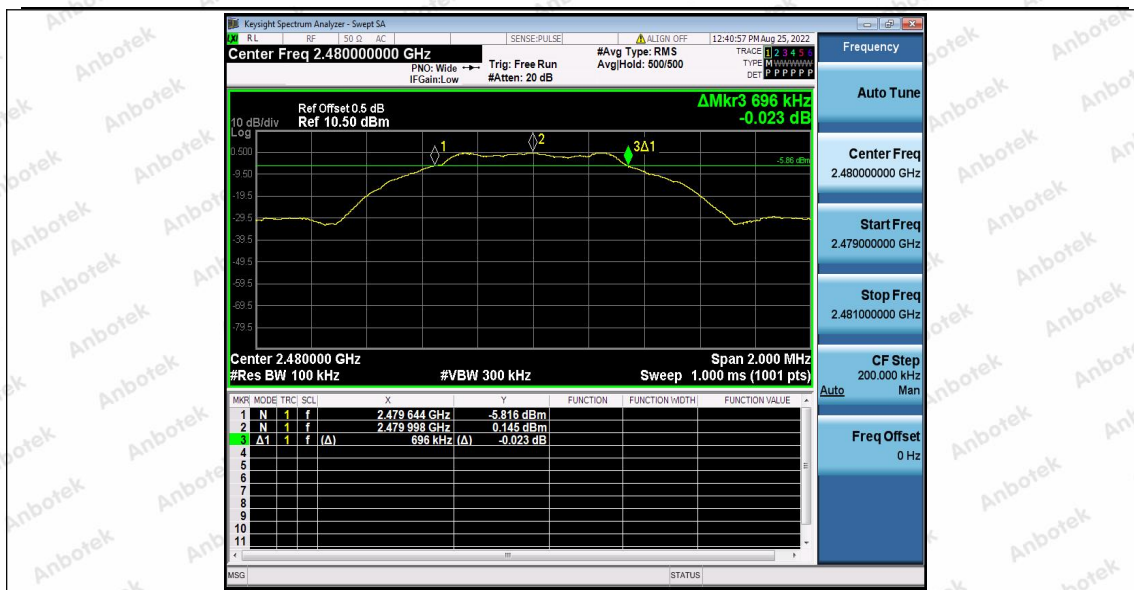
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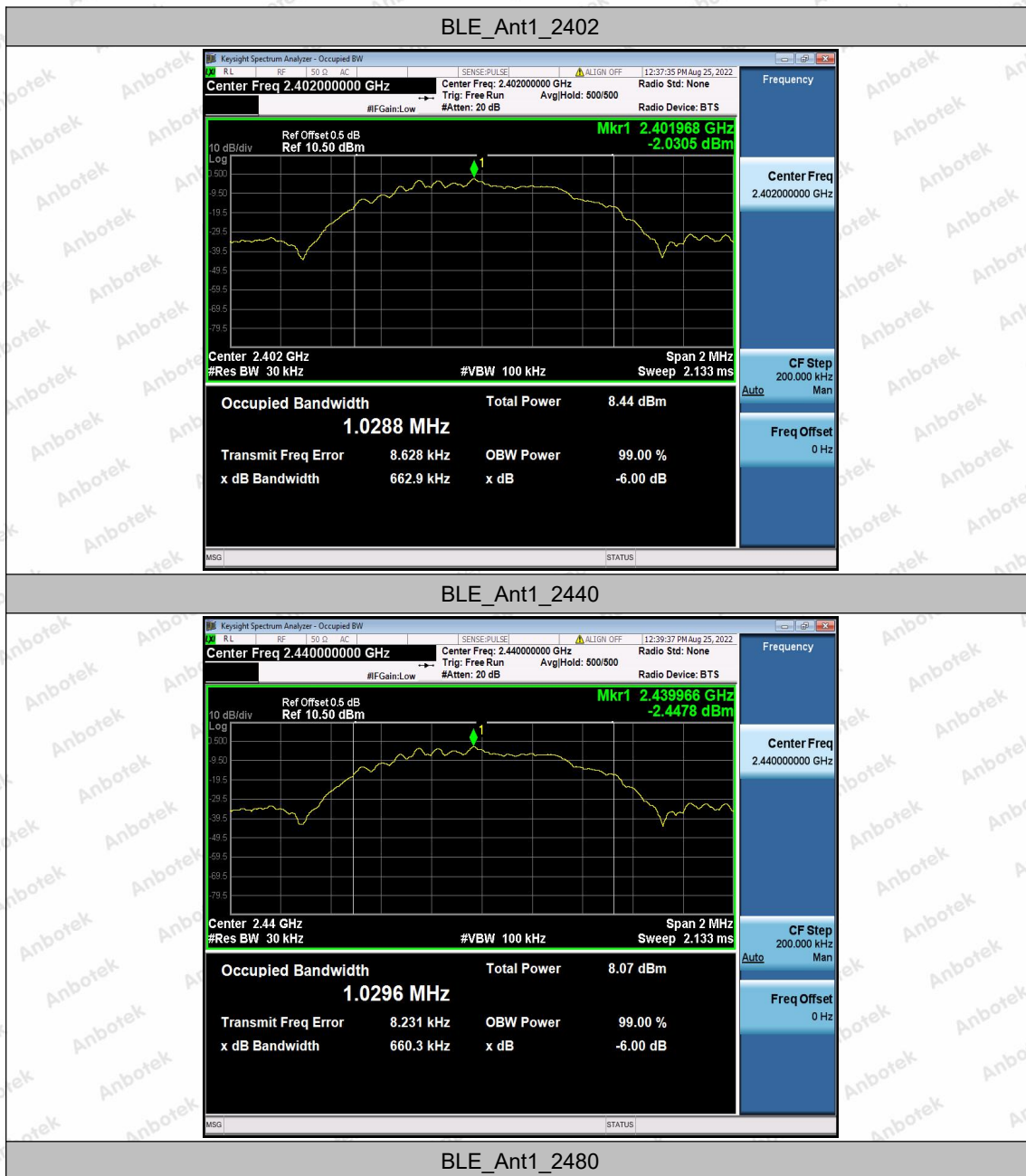
Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	1.0288	2401.4942	2402.5230	---	PASS
		2440	1.0296	2439.4934	2440.5230	---	PASS
		2480	1.0268	2479.4941	2480.5209	---	PASS



Test Graphs



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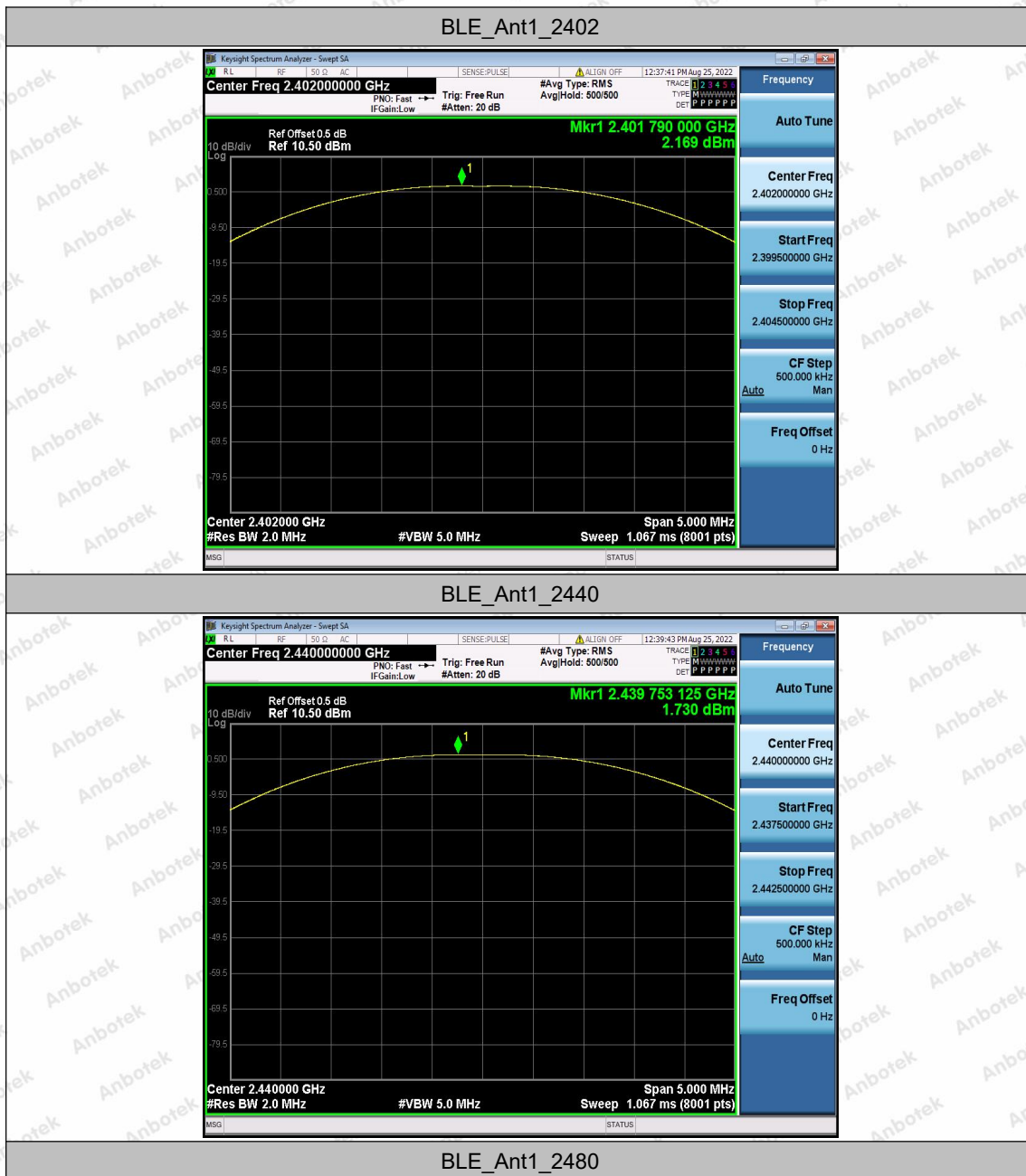
Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit[dBm]	Verdict
BLE	Ant1	2402	2.17	≤30	PASS
		2440	1.73	≤30	PASS
		2480	1.01	≤30	PASS



Test Graphs Peak



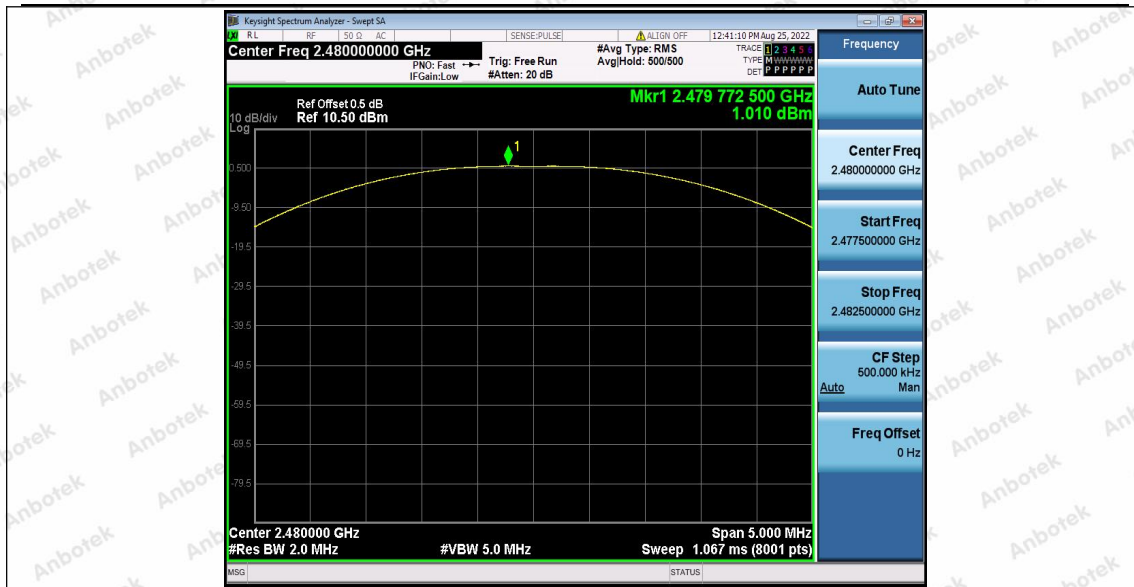
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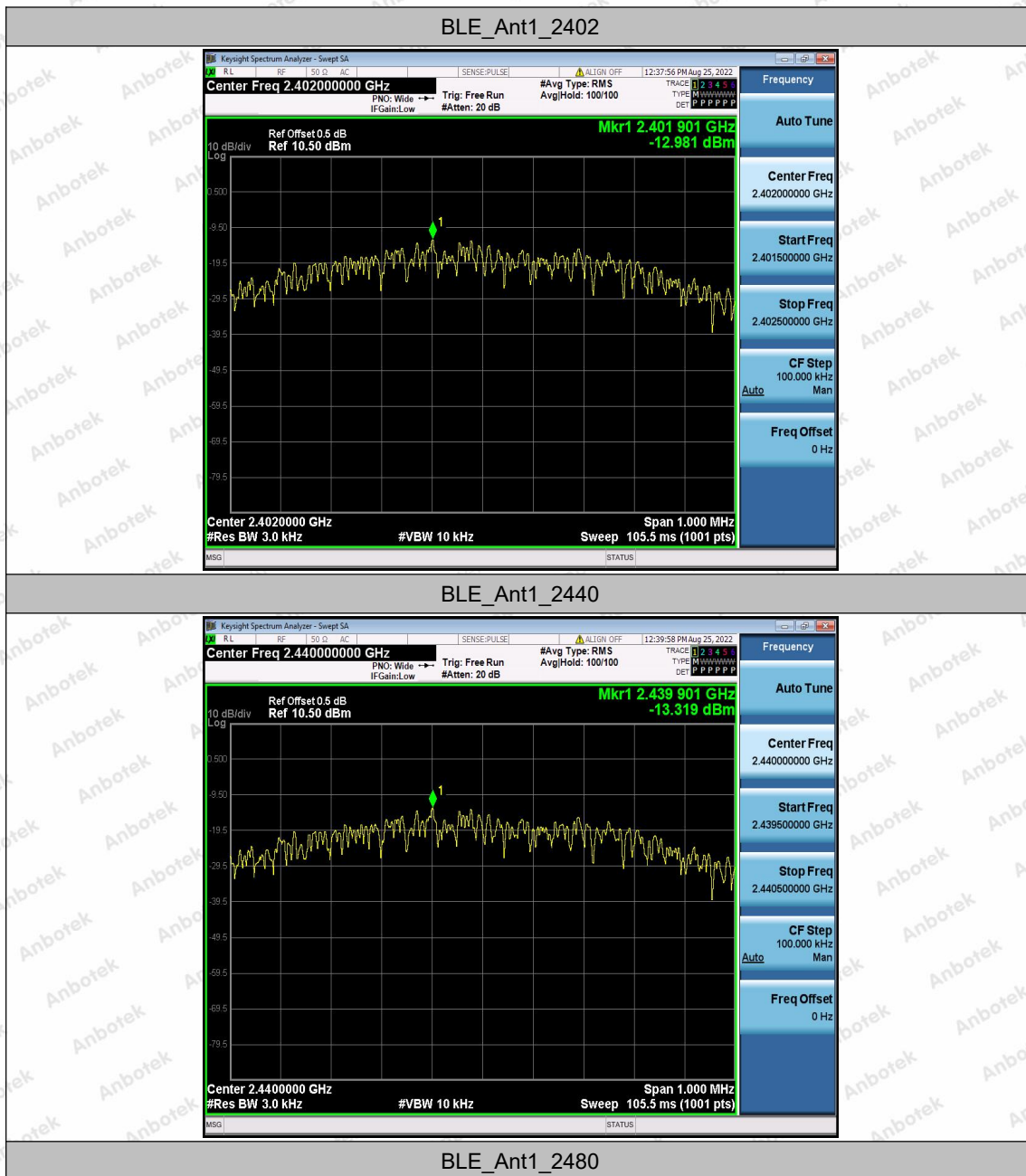
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-12.98	≤8	PASS
		2440	-13.32	≤8	PASS
		2480	-14.15	≤8	PASS



Test Graphs



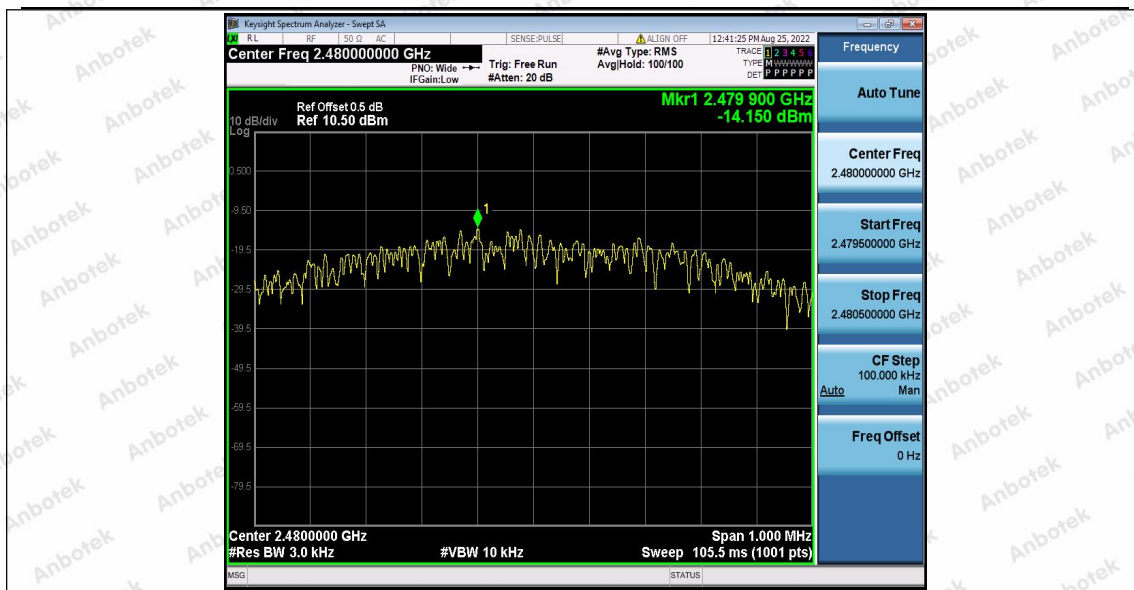
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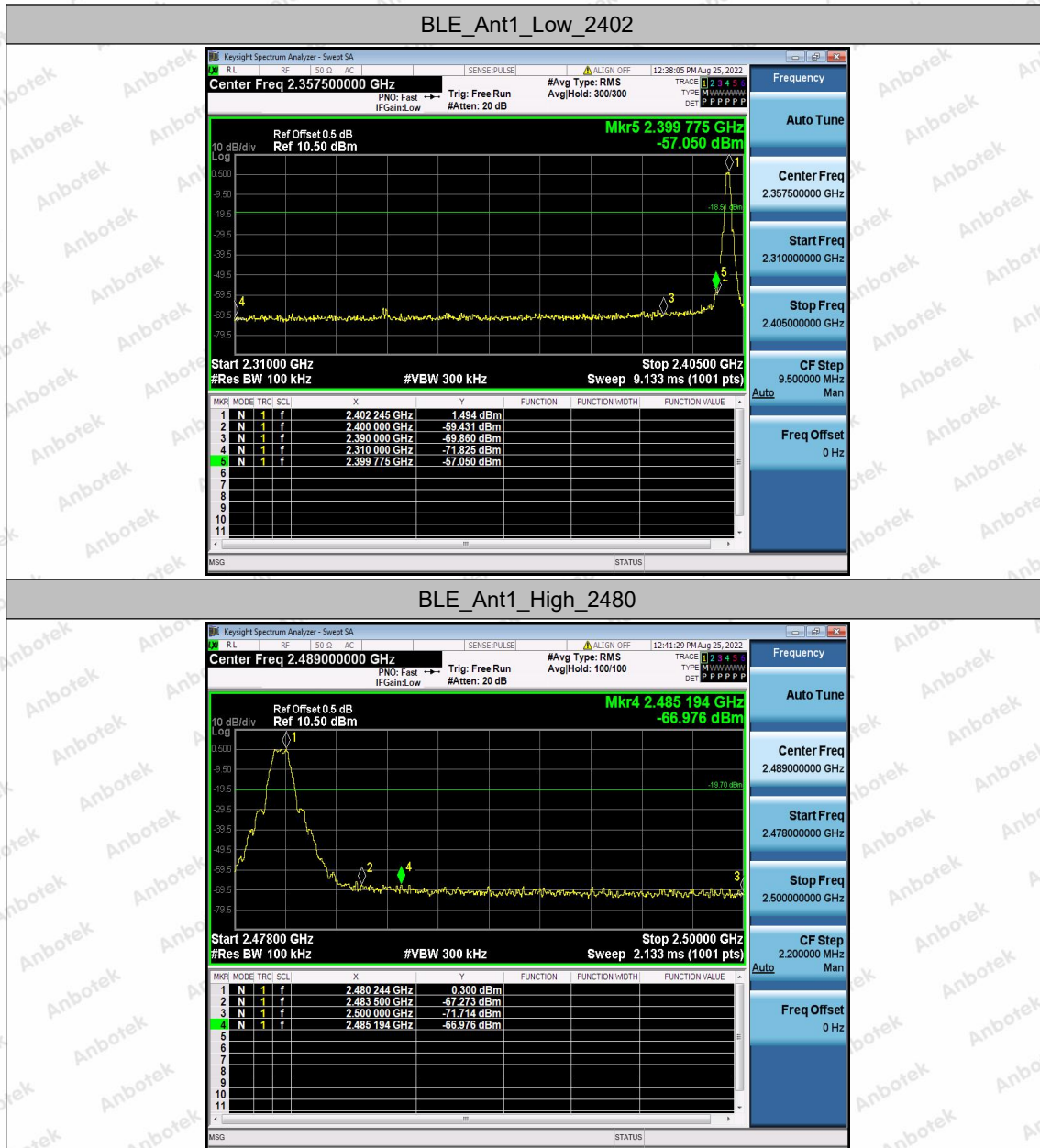
Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch Name	Frequency[MHz]	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	1.49	-57.05	≤-18.51	PASS
		High	2480	0.30	-66.98	≤-19.7	PASS



Test Graphs



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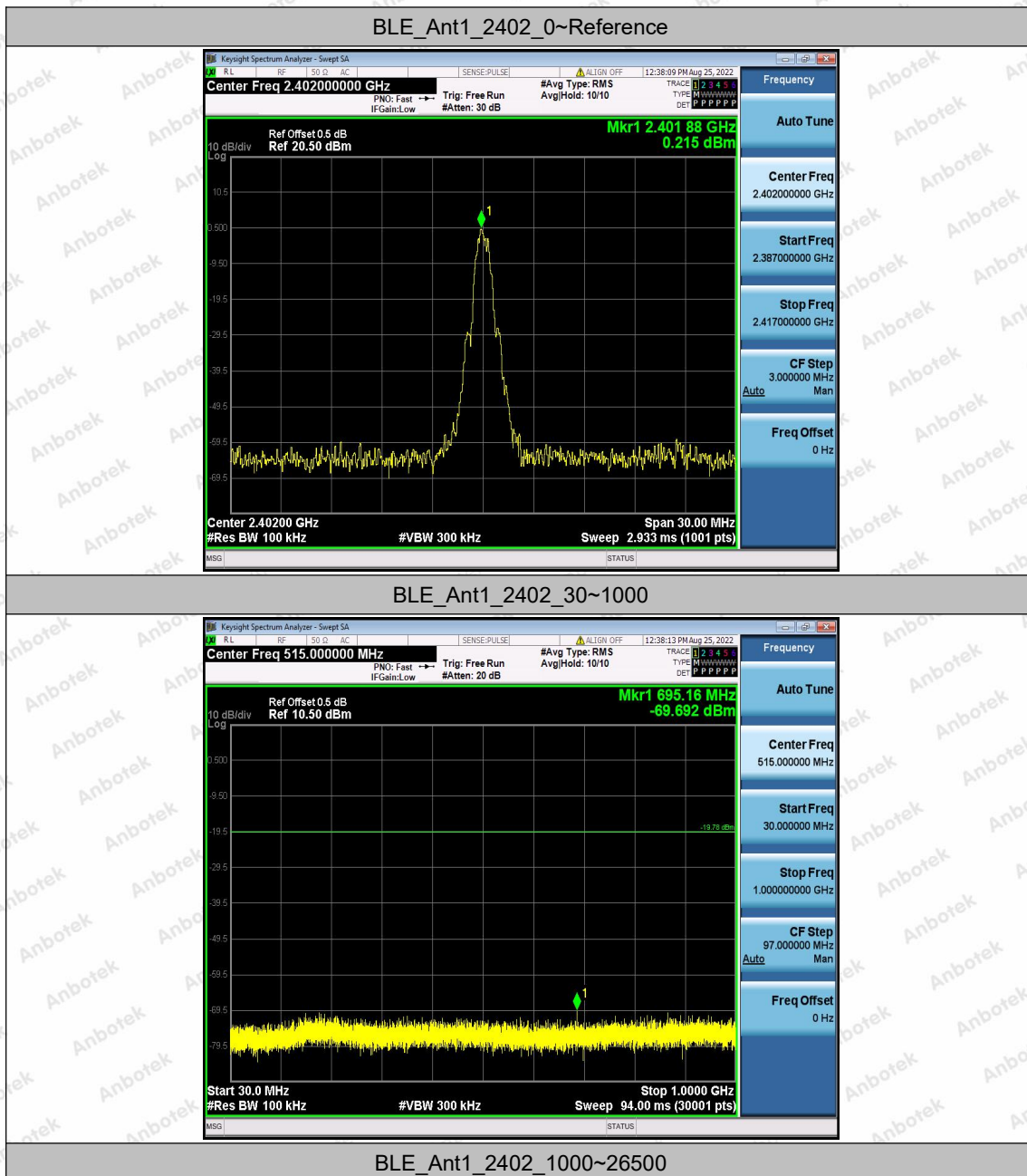
Appendix F: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq Range [MHz]	Ref Level [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	0.22	0.22	---	PASS
			30~1000	0.22	-69.69	≤-19.78	PASS
			1000~26500	0.22	-54.69	≤-19.78	PASS
		2440	Reference	1.00	1.00	---	PASS
			30~1000	1.00	-69.3	≤-19	PASS
			1000~26500	1.00	-53.12	≤-19	PASS
		2480	Reference	0.29	0.29	---	PASS
			30~1000	0.29	-69.71	≤-19.71	PASS
			1000~26500	0.29	-54.29	≤-19.71	PASS



Test Graphs



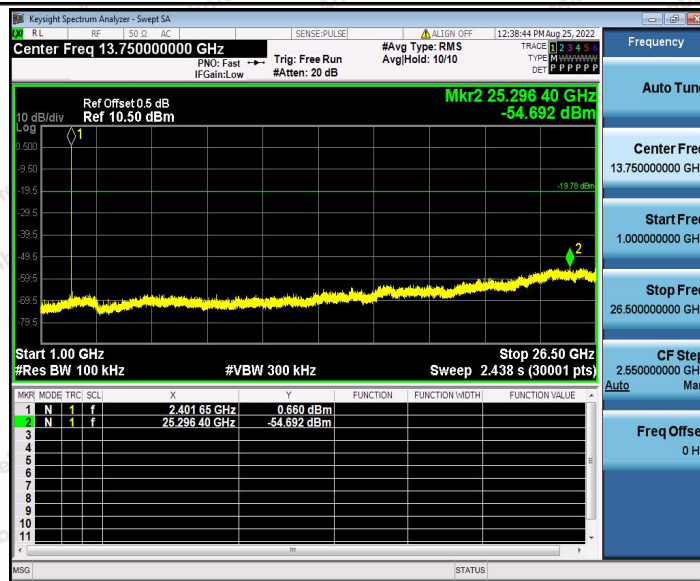
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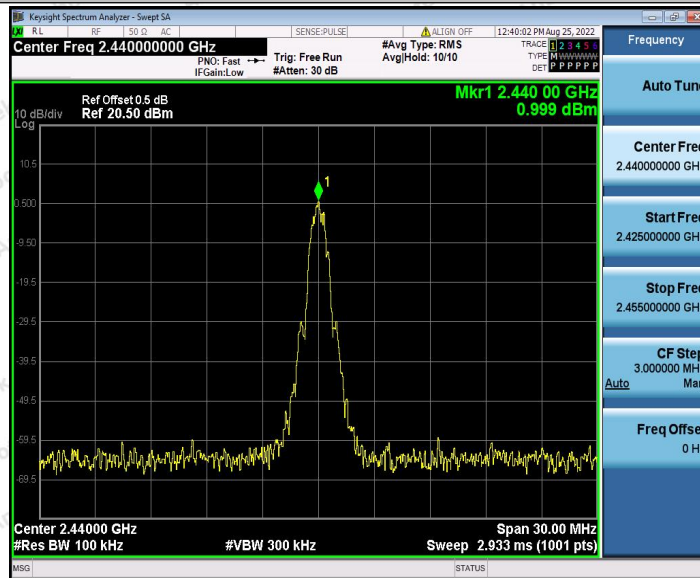


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BLE_Ant1_2440_0~Reference



BLE_Ant1_2440_30~1000

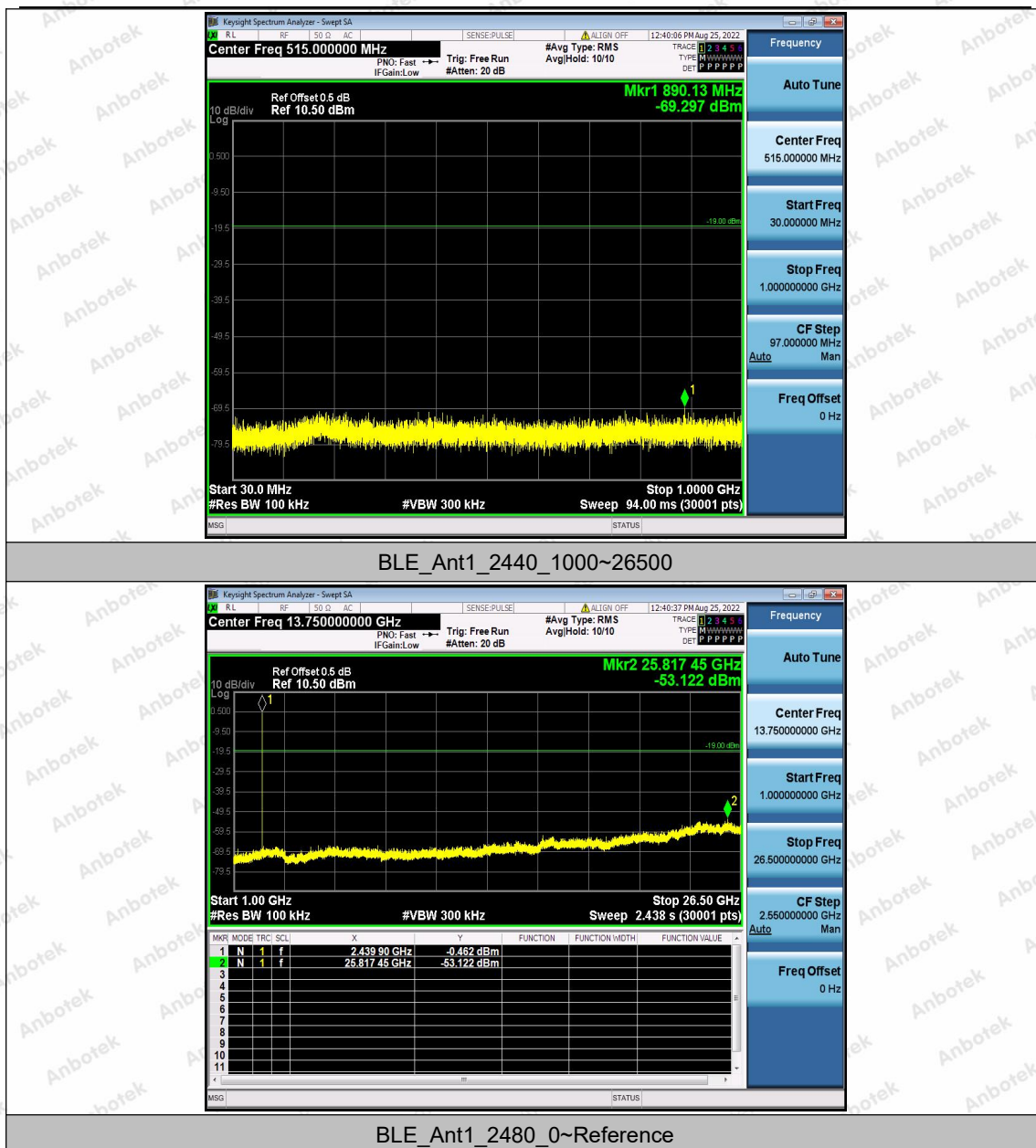
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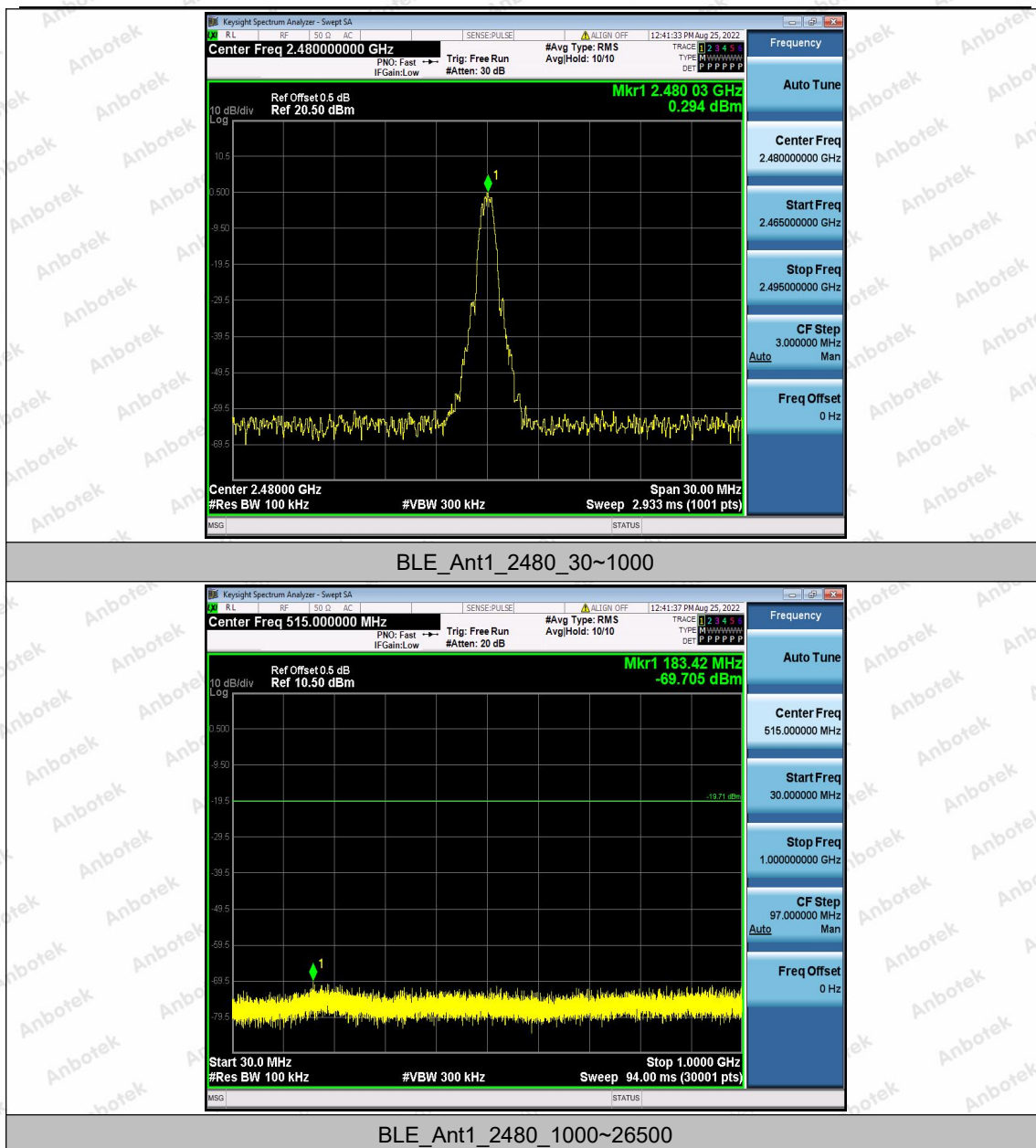
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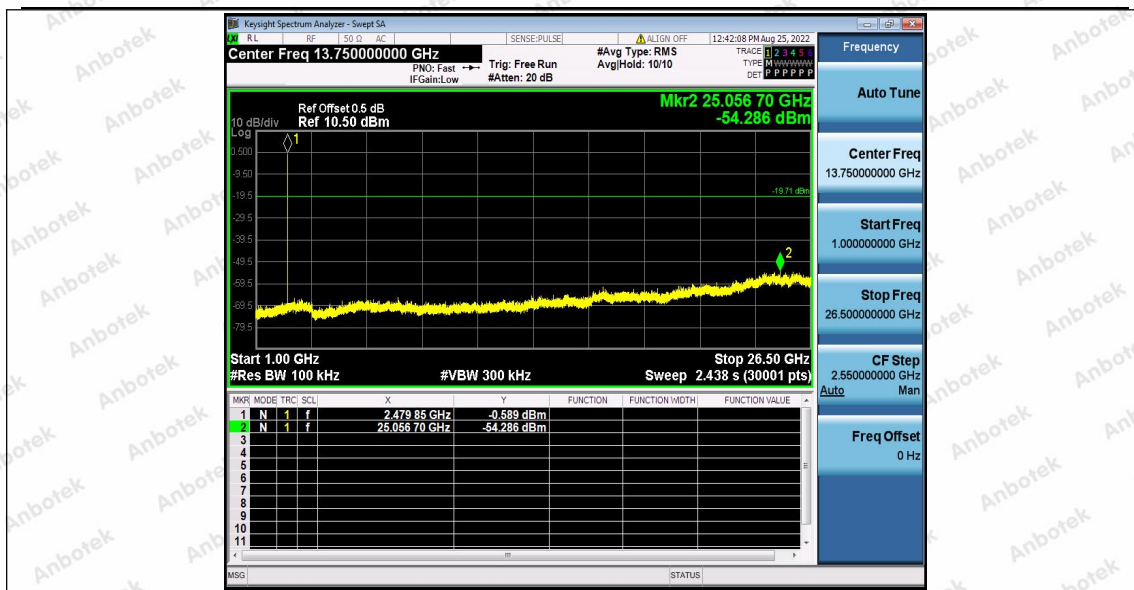
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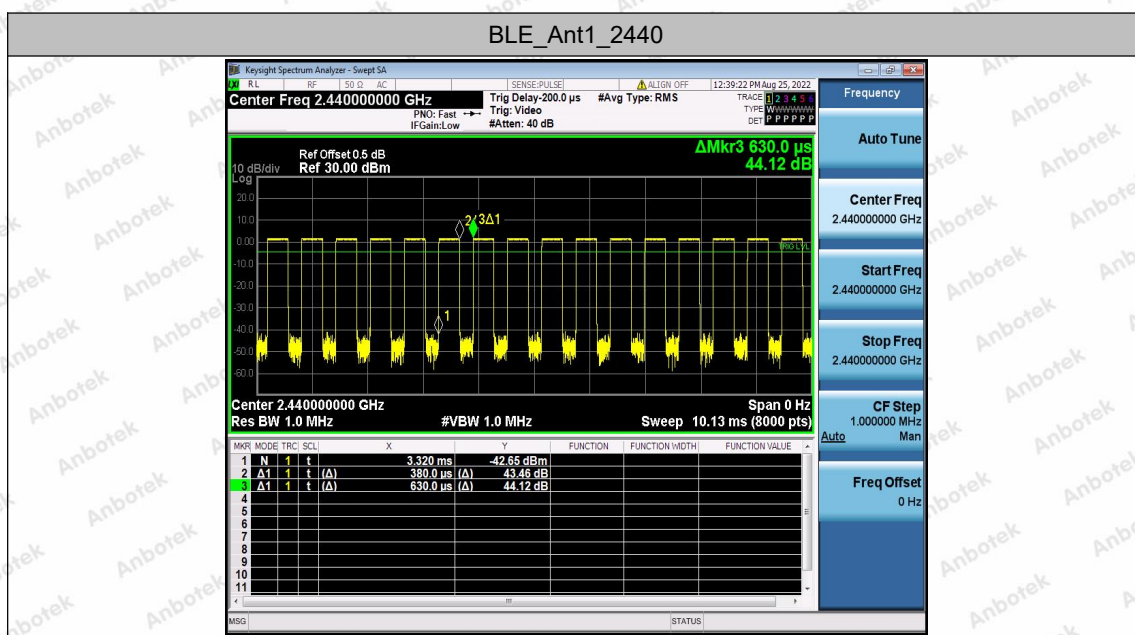


Appendix G: Duty Cycle

Test Result

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

Test Graphs



---End---

