

## Appendix Test Data

Report No.:	18360WC30016302	Test Sample No.:	1-2-2
Start Test Date:	2023.12.20	Finish Test Date:	2023.12.21
Test Engineer:	Hayman Chen	Auditor:	RICK Luo
Temperature:	24.6°C	Relative Humidity:	45%
Pressure:	101kPa		

## Appendix A: DTS Bandwidth

### Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.684	2401.652	2402.336	0.5	PASS
		2440	0.684	2439.652	2440.336	0.5	PASS
		2480	0.680	2479.652	2480.332	0.5	PASS

### Test Graphs



## BLE\_1M\_Ant1\_2440



## BLE\_1M\_Ant1\_2480



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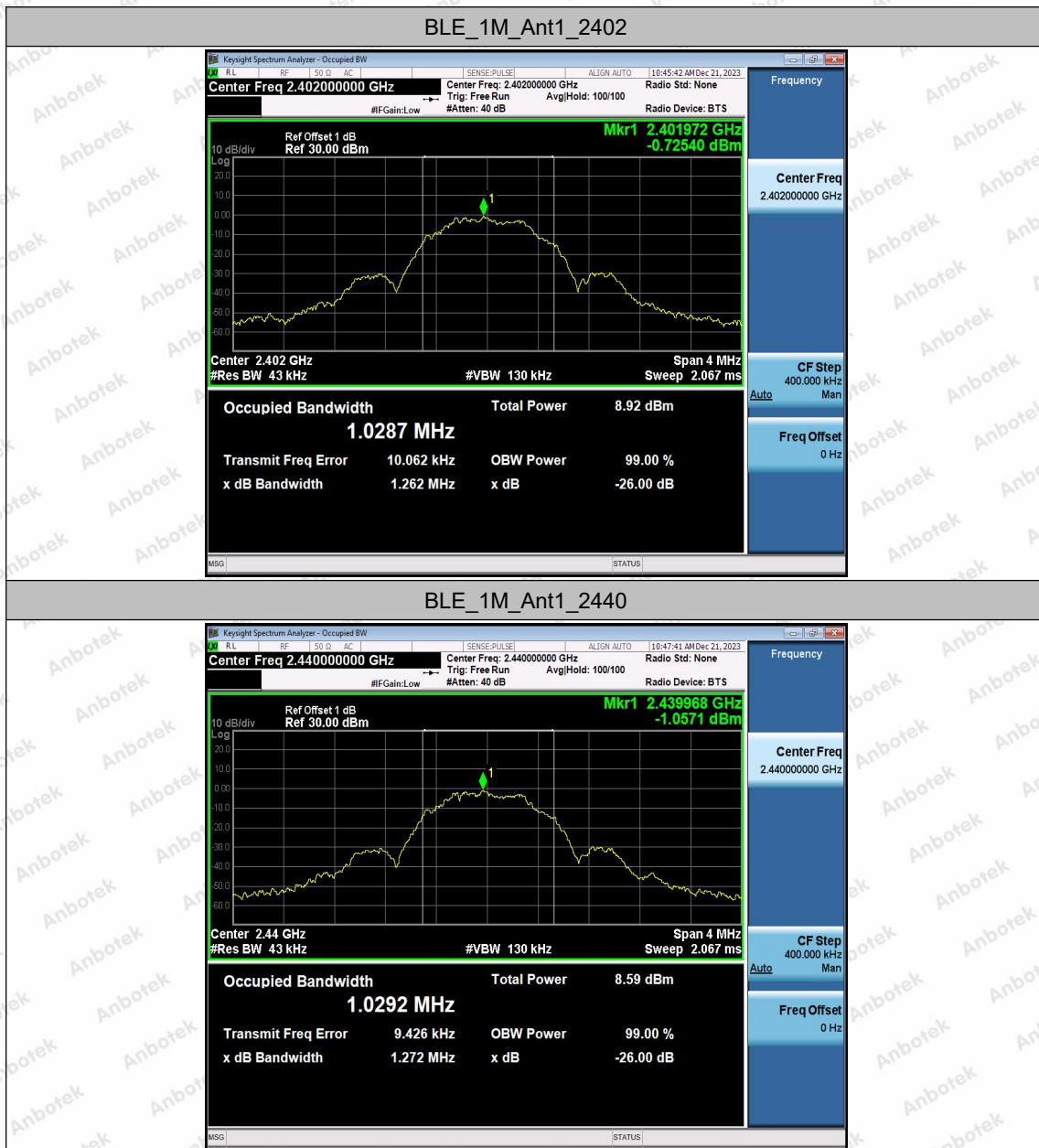


## Appendix B: Occupied Channel Bandwidth

### Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0287	2401.4957	2402.5244
		2440	1.0292	2439.4948	2440.5240
		2480	1.0285	2479.4960	2480.5245

### Test Graphs



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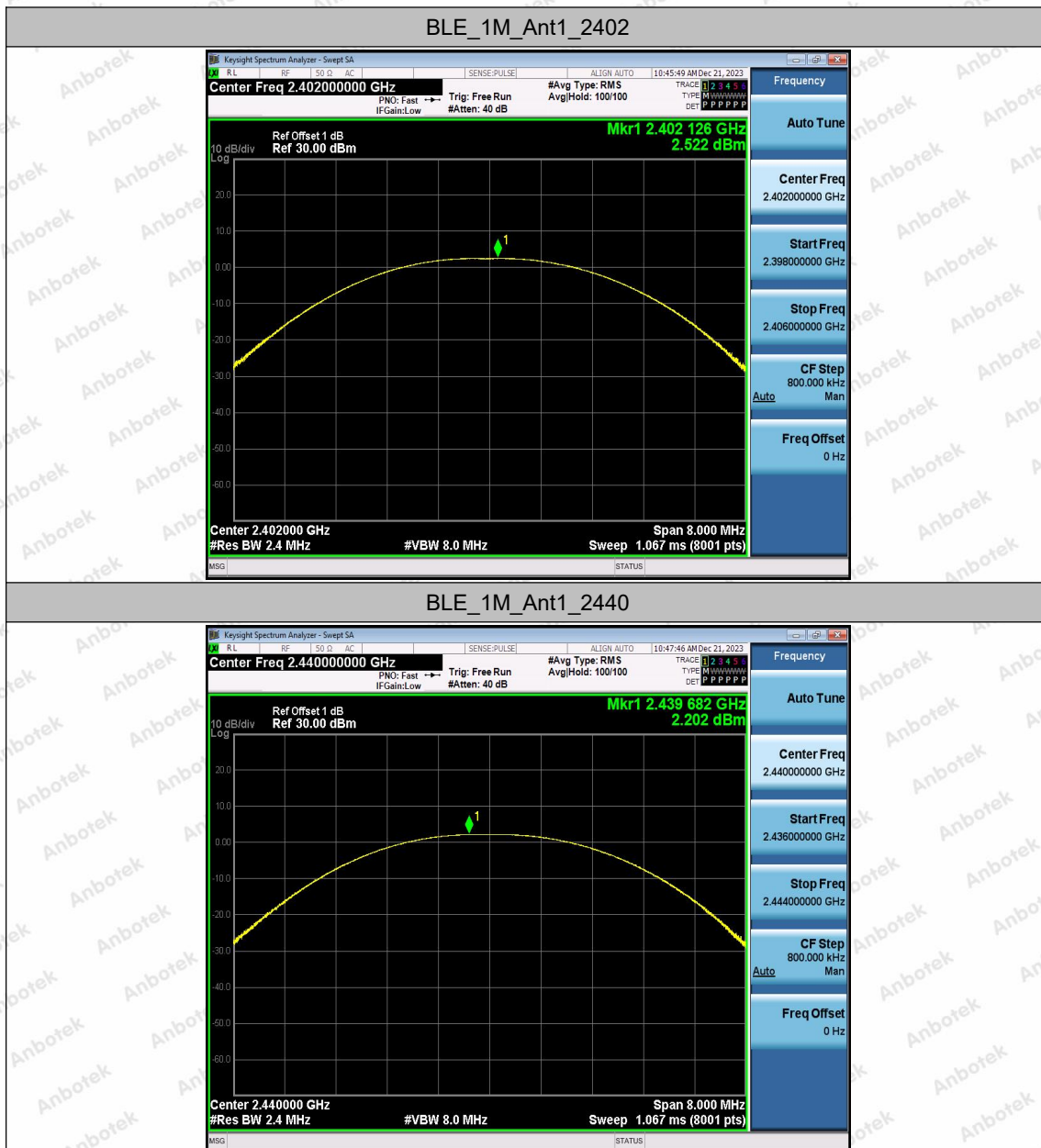


## Appendix C: Maximum conducted output power

### Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.52	≤30	PASS
		2440	2.20	≤30	PASS
		2480	1.69	≤30	PASS

### Test Graphs Peak



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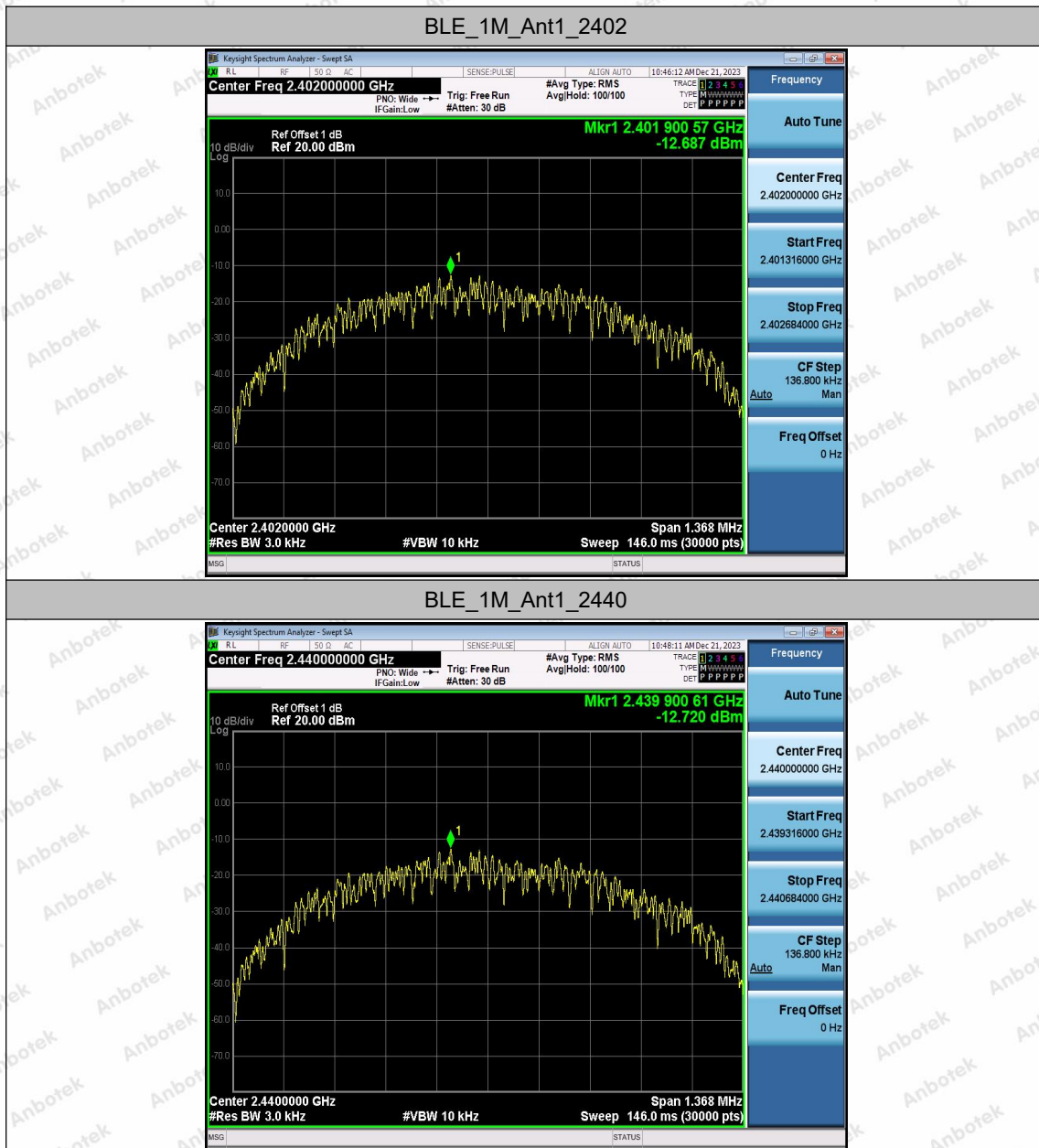


## Appendix D: Maximum power spectral density

### Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.69	≤8.00	PASS
		2440	-12.72	≤8.00	PASS
		2480	-13.47	≤8.00	PASS

### Test Graphs



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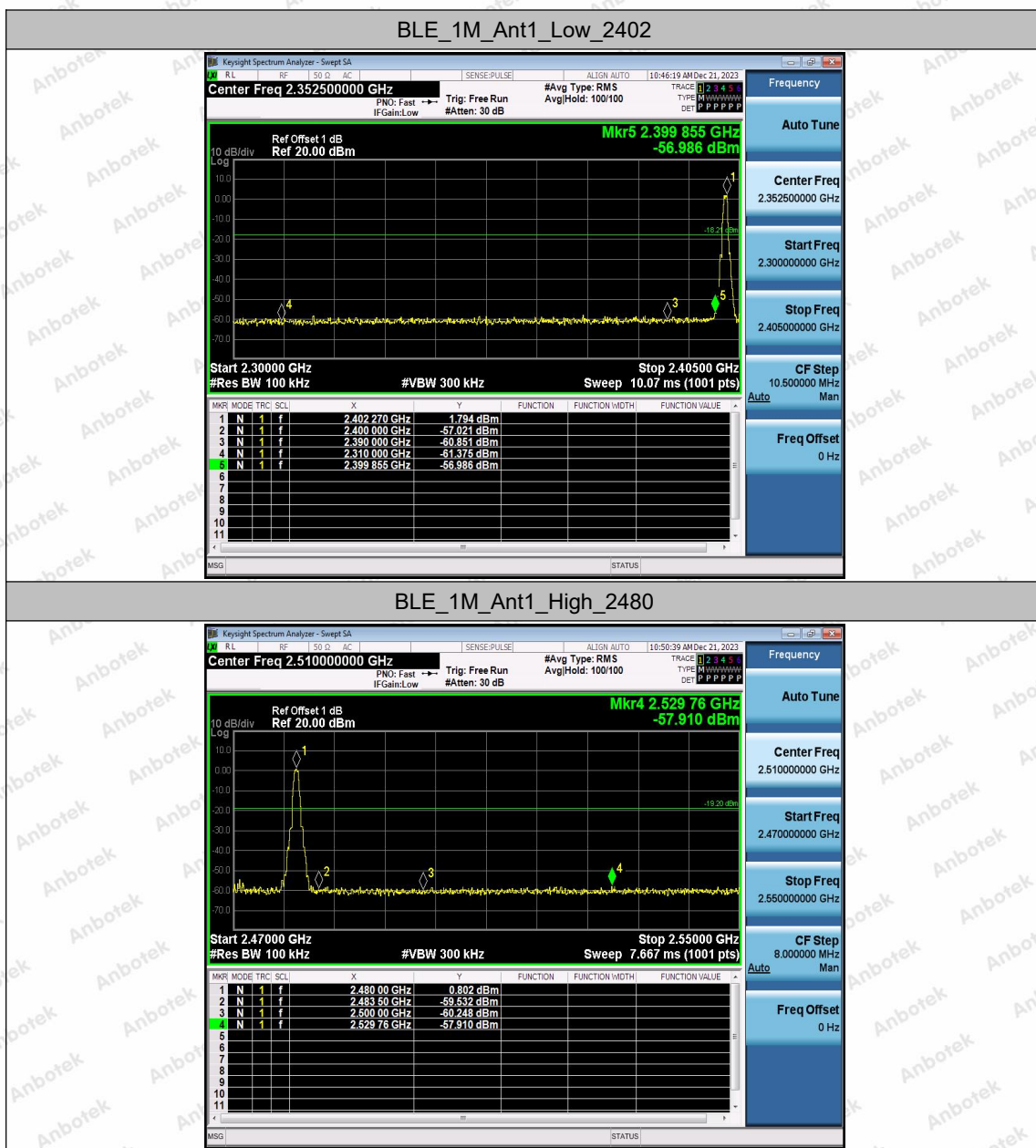


## Appendix E: Band edge measurements

### Test Result

TestMode	Antenna	Channel Name	Frequency [MHz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.79	-56.99	≤-18.21	PASS
		High	2480	0.80	-57.91	≤-19.2	PASS

### Test Graphs



## 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	1.14	1.14	---	PASS
			30~1000	1.14	-68.99	≤-18.86	PASS
			1000~26500	1.14	-52.59	≤-18.86	PASS
		2440	Reference	0.84	0.84	---	PASS
			30~1000	0.84	-69.78	≤-19.16	PASS
			1000~26500	0.84	-53.11	≤-19.16	PASS
		2480	Reference	0.59	0.59	---	PASS
			30~1000	0.59	-68.93	≤-19.41	PASS
			1000~26500	0.59	-53.04	≤-19.41	PASS

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## Test Graphs



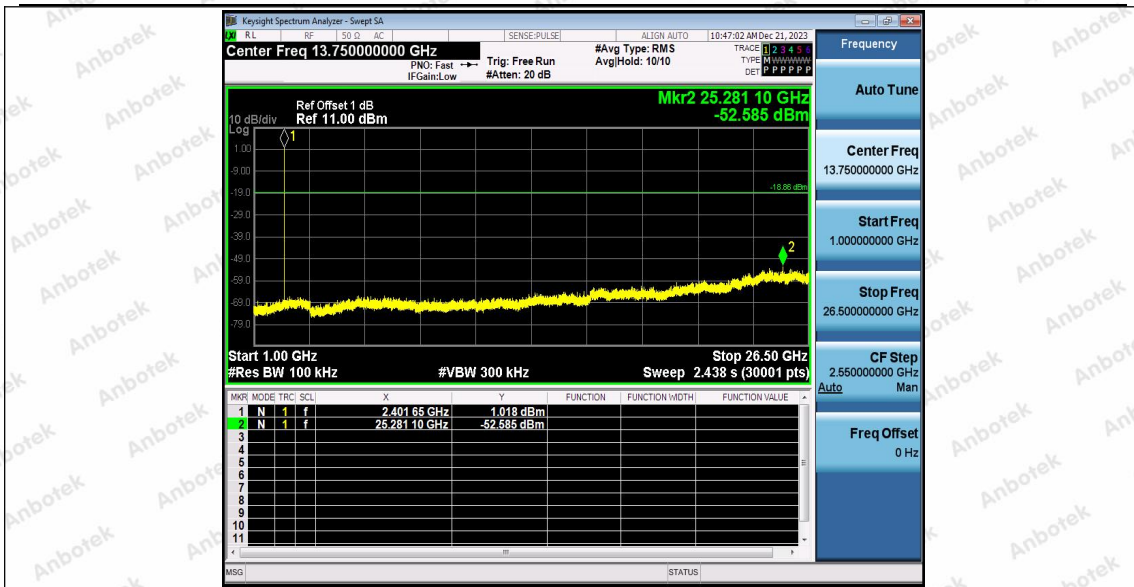
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BLE\_1M\_Ant1\_2440\_0~Reference



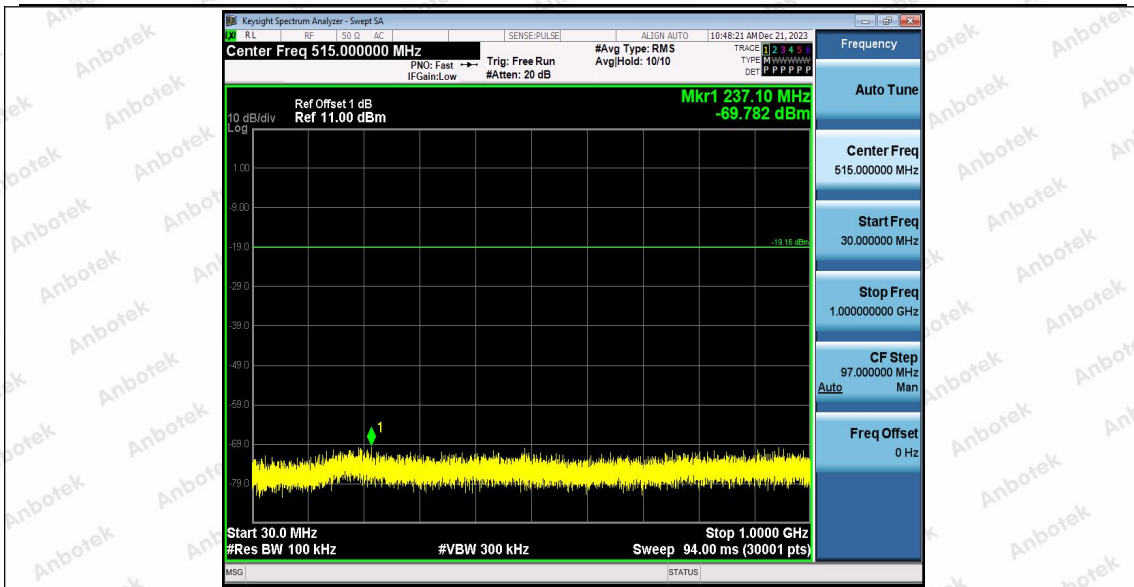
BLE\_1M\_Ant1\_2440\_30~1000

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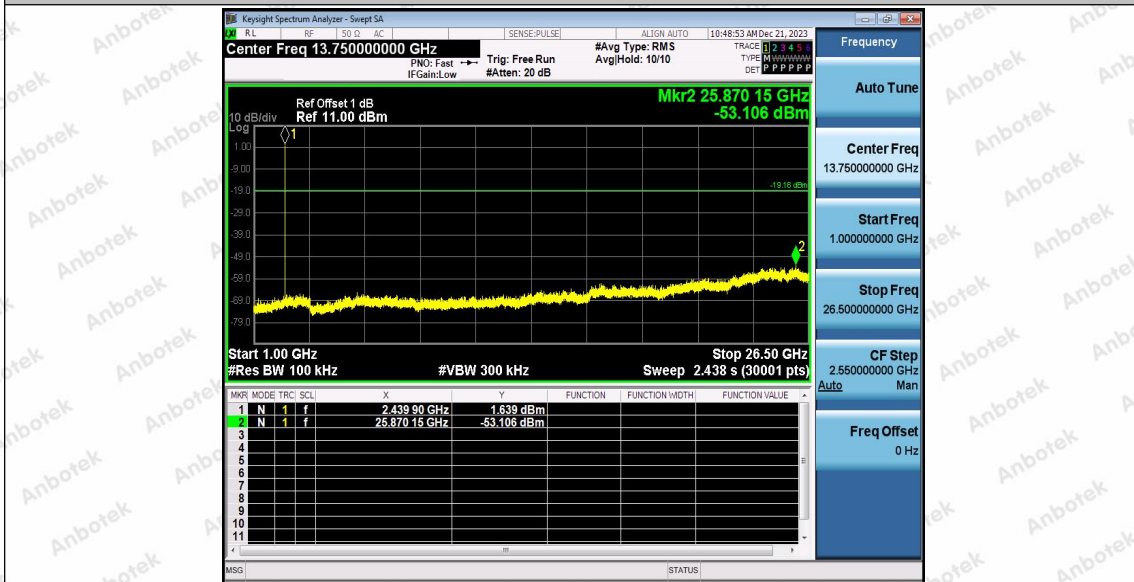
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BLE\_1M\_Ant1\_2440\_1000~26500



BLE\_1M\_Ant1\_2480\_0~Reference

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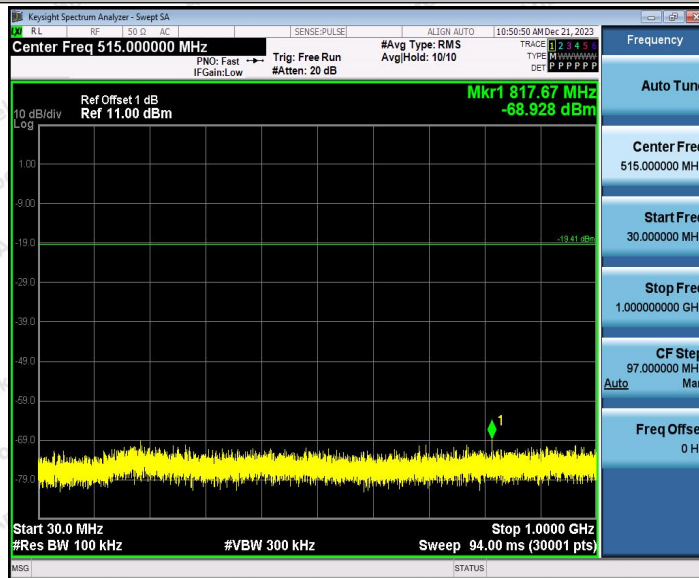
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BLE\_1M\_Ant1\_2480\_30~1000



BLE\_1M\_Ant1\_2480\_1000~26500

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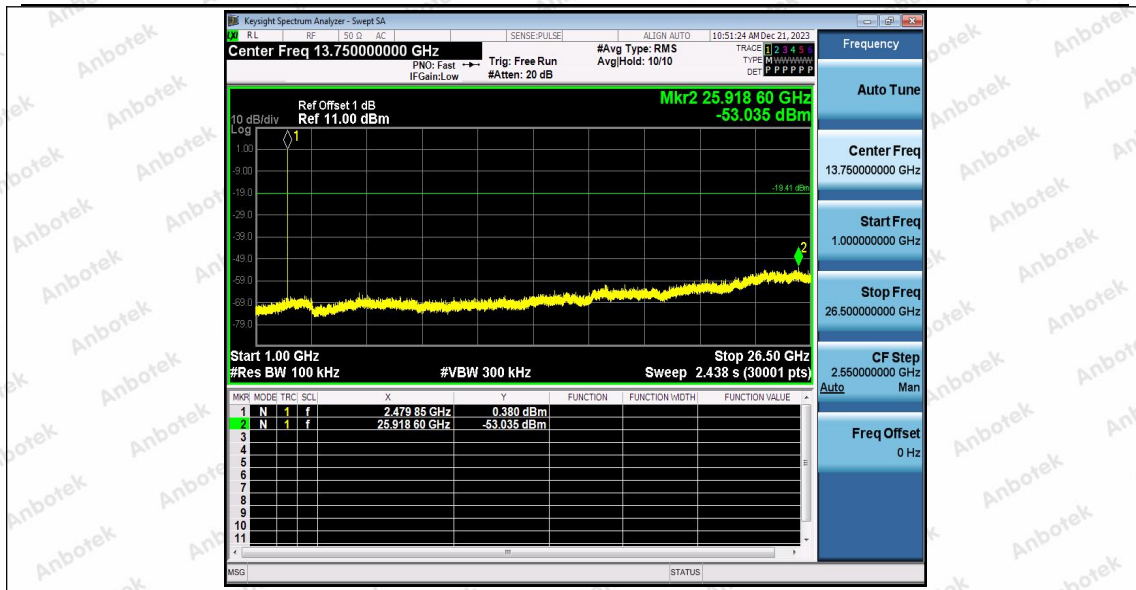
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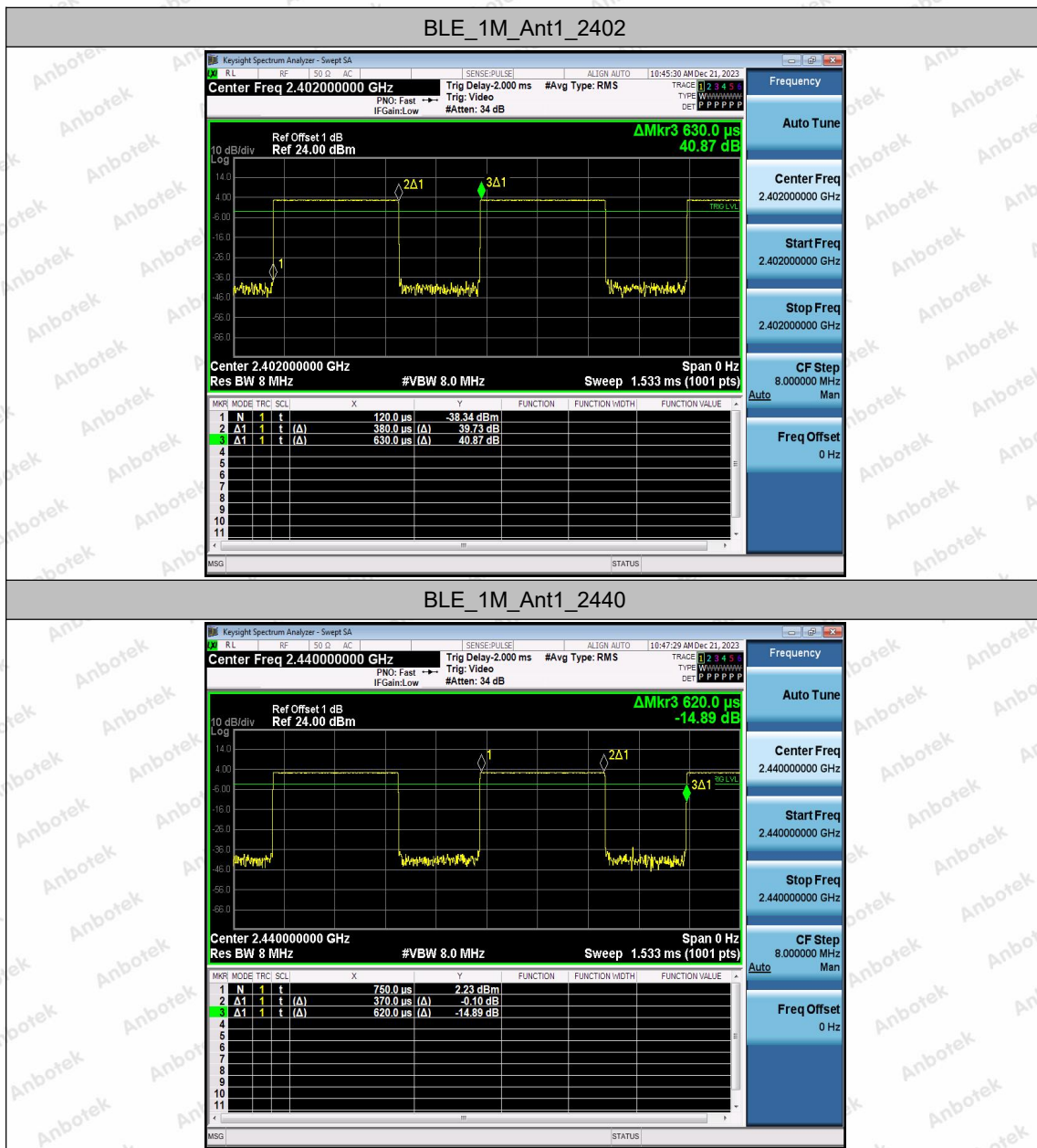


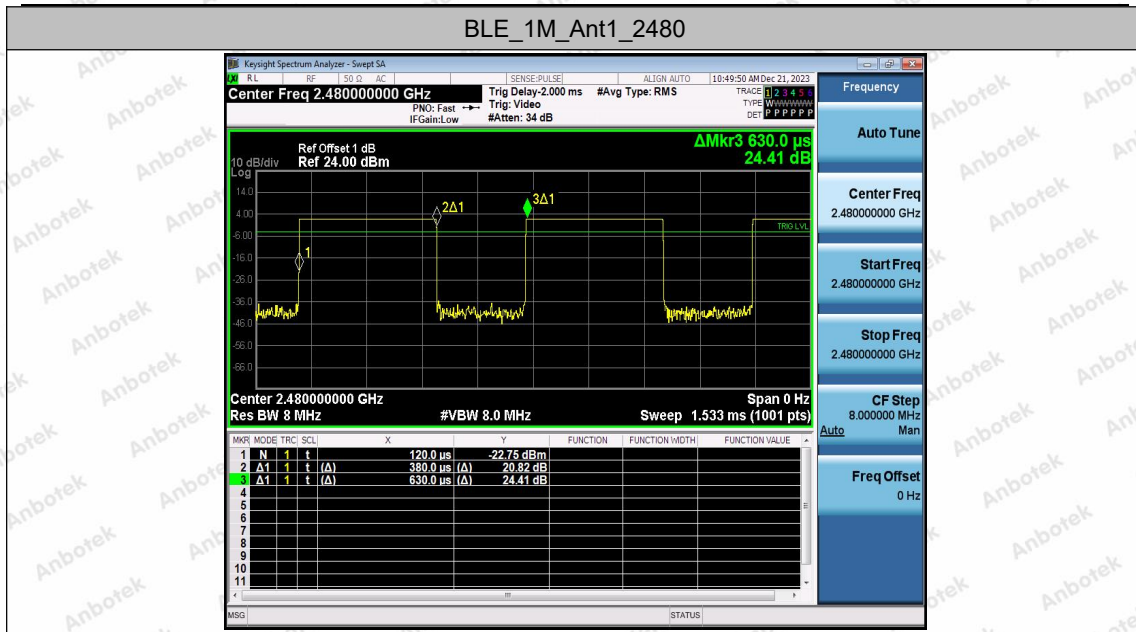
## Appendix G: Duty Cycle

### Test Result

TestMode	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	0.37	0.62	59.68	2.24
		2480	0.38	0.63	60.32	2.20

### Test Graphs





---End---

