

## Appendix Test Data

Report No.:	18220WC30039502	Test Sample No.:	1-2-2
Start Test Date:	2023.03.14	Finish Test Date:	2023.03.17
Test Engineer:	RICK Luo	Auditor:	Edward Pan
Temperature:	24.0°C	Relative Humidity:	54%
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	0.640	2401.700	2402.340	0.5	PASS
		2440	0.636	2439.704	2440.340	0.5	PASS
		2480	0.660	2479.688	2480.348	0.5	PASS

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## Test Graphs

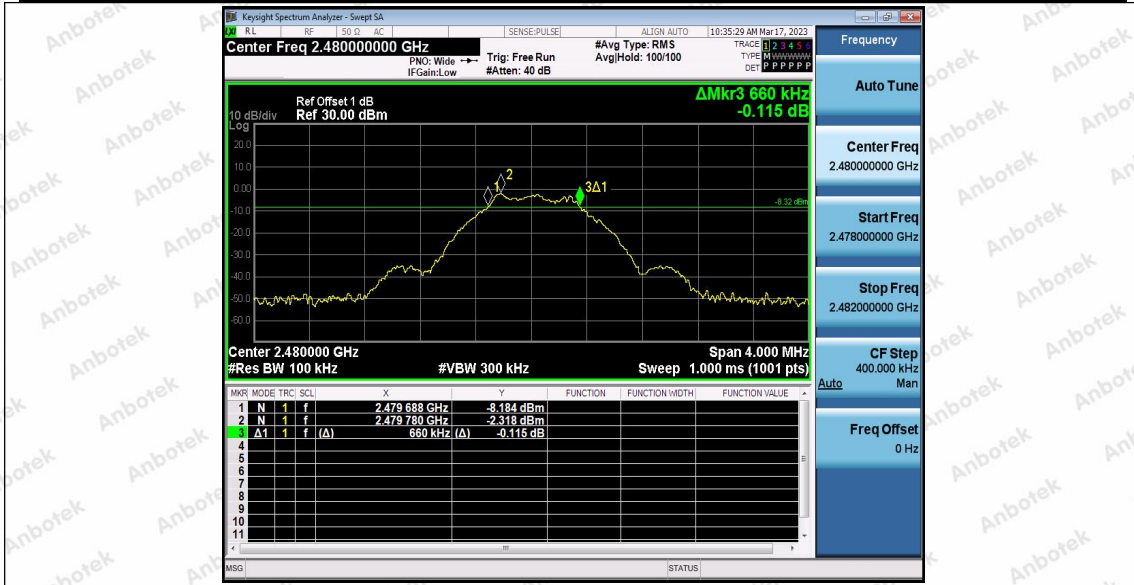


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## Appendix B: Occupied Channel Bandwidth

### Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	0.99844	2401.5299	2402.5284
		2440	1.0040	2439.5264	2440.5304
		2480	0.99710	2479.5273	2480.5244



## Test Graphs



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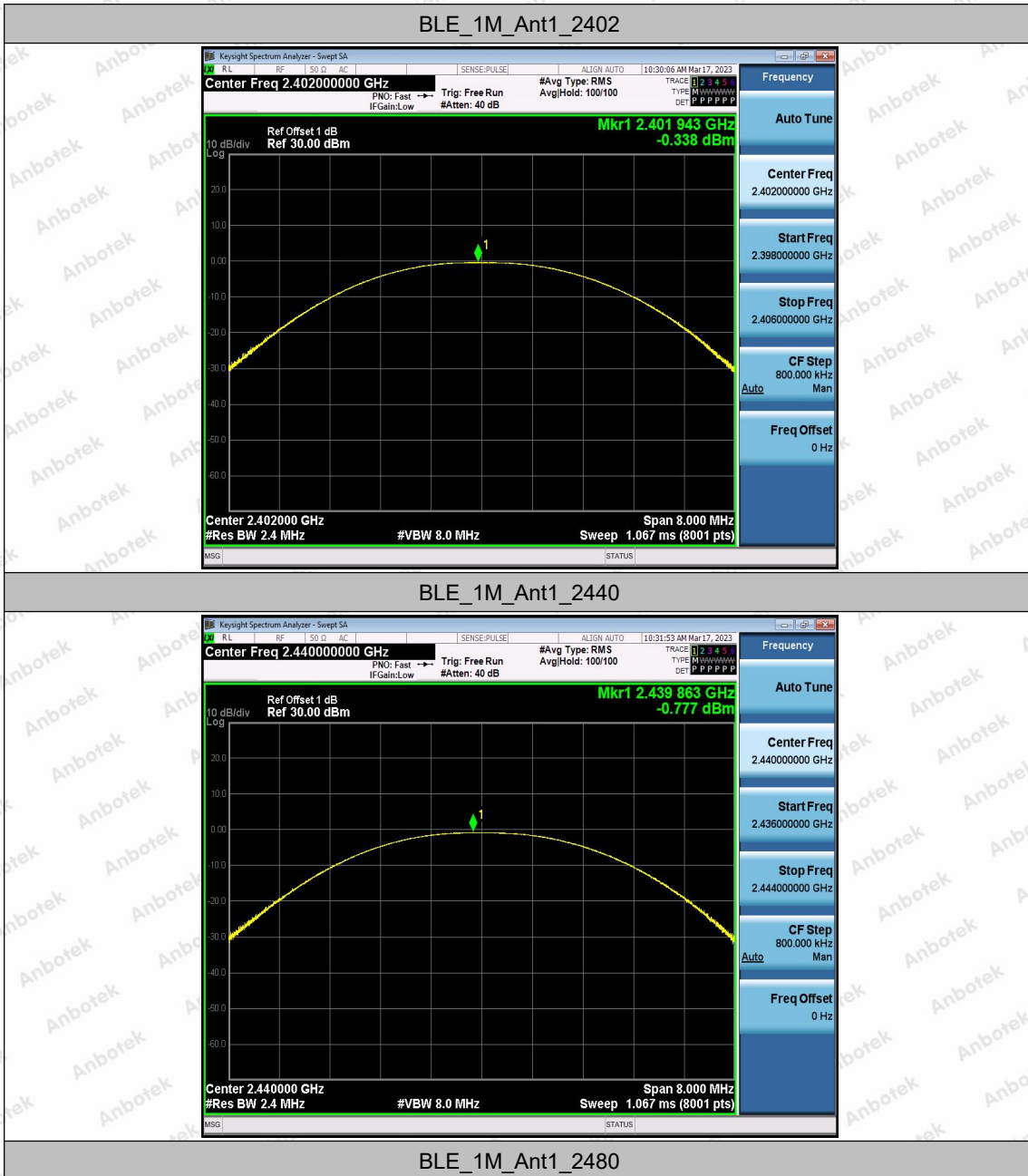
## Appendix C: Maximum conducted output power

### Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.34	≤30	PASS
		2440	-0.78	≤30	PASS
		2480	-1.81	≤30	PASS



## Test Graphs Peak



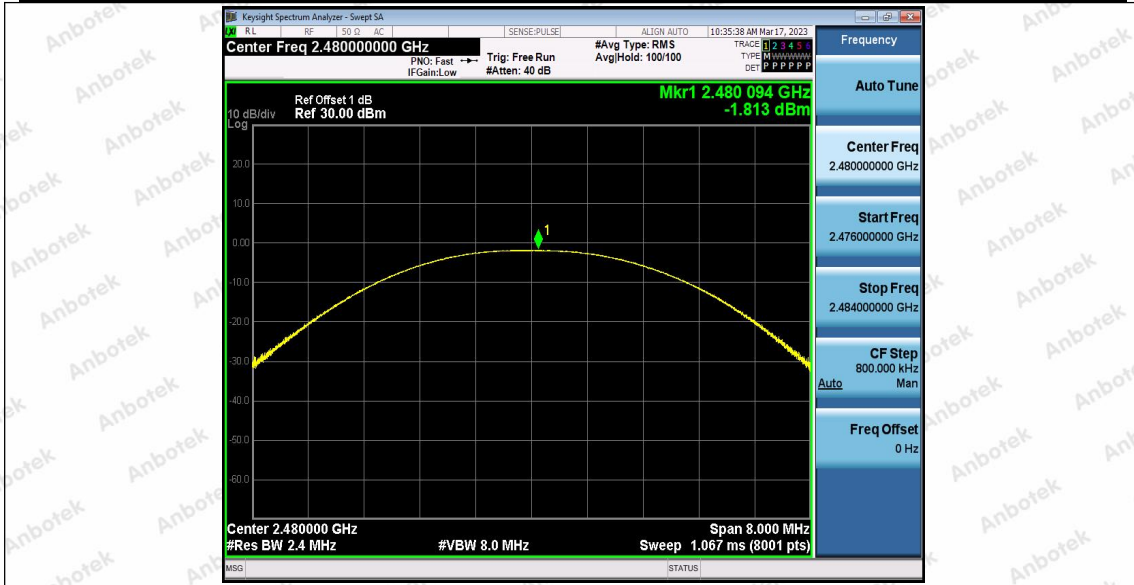
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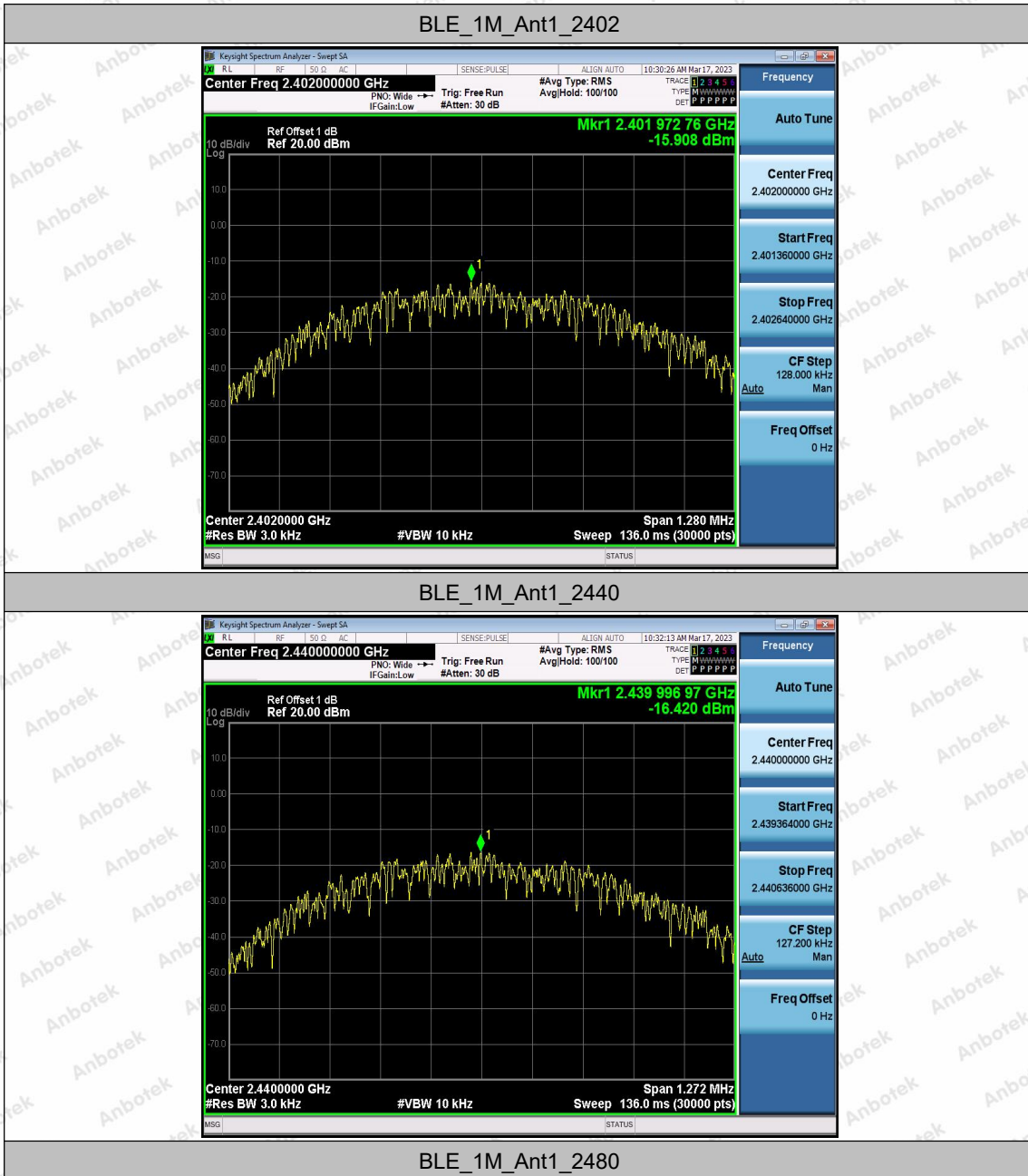
## Appendix D: Maximum power spectral density

### Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.91	≤8.00	PASS
		2440	-16.42	≤8.00	PASS
		2480	-17.39	≤8.00	PASS



## Test Graphs



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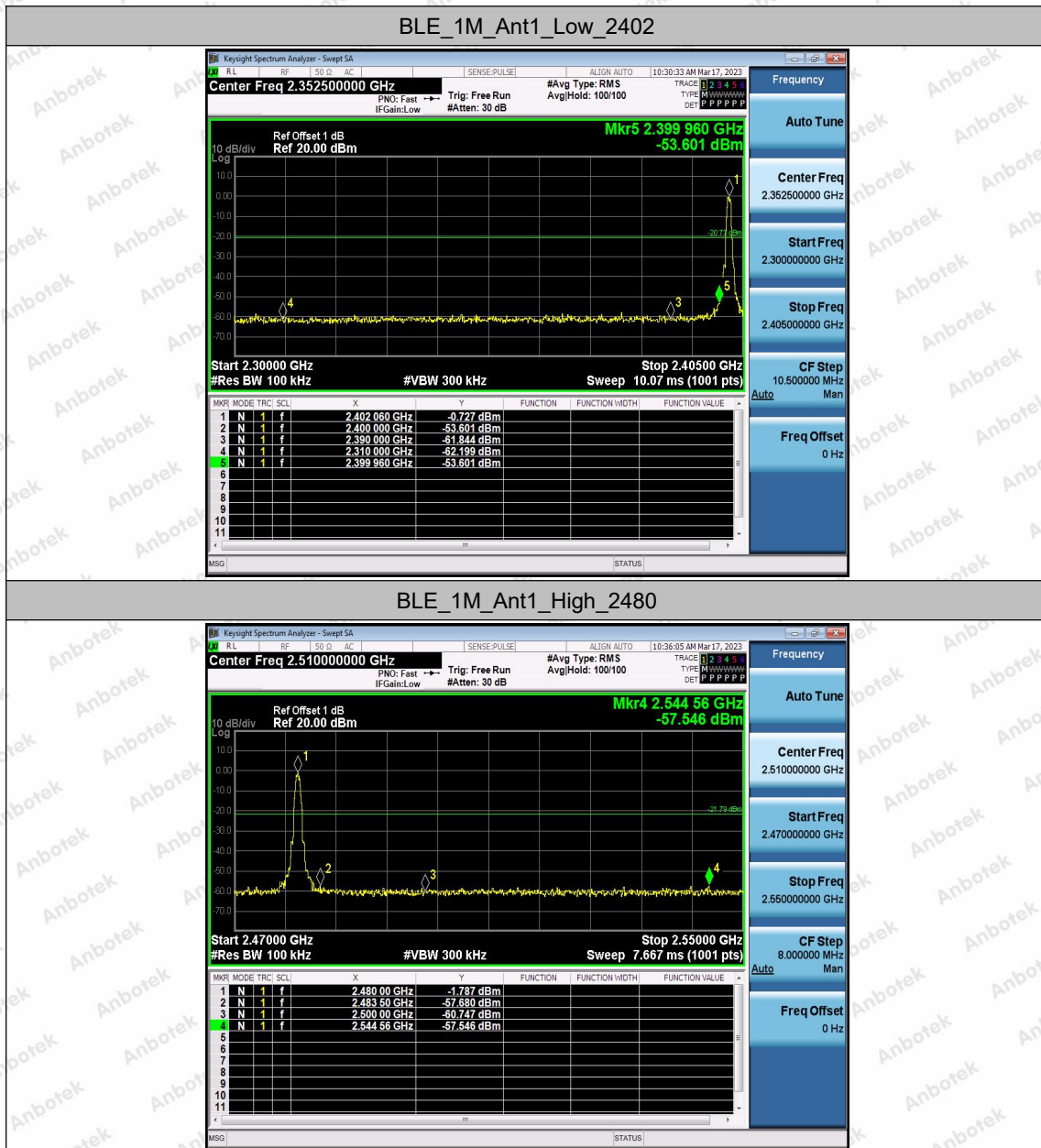


## Appendix E: Band edge measurements

### Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.73	-53.6	≤-20.73	PASS
		High	2480	-1.79	-57.55	≤-21.79	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	-0.86	-0.86	---	PASS
			30~1000	-0.86	-62.8	≤-20.86	PASS
			1000~26500	-0.86	-43.46	≤-20.86	PASS
		2440	Reference	-1.20	-1.20	---	PASS
			30~1000	-1.20	-62.05	≤-21.2	PASS
			1000~26500	-1.20	-40.81	≤-21.2	PASS
		2480	Reference	-2.19	-2.19	---	PASS
			30~1000	-2.19	-61.66	≤-22.19	PASS
			1000~26500	-2.19	-39.86	≤-22.19	PASS



## Test Graphs

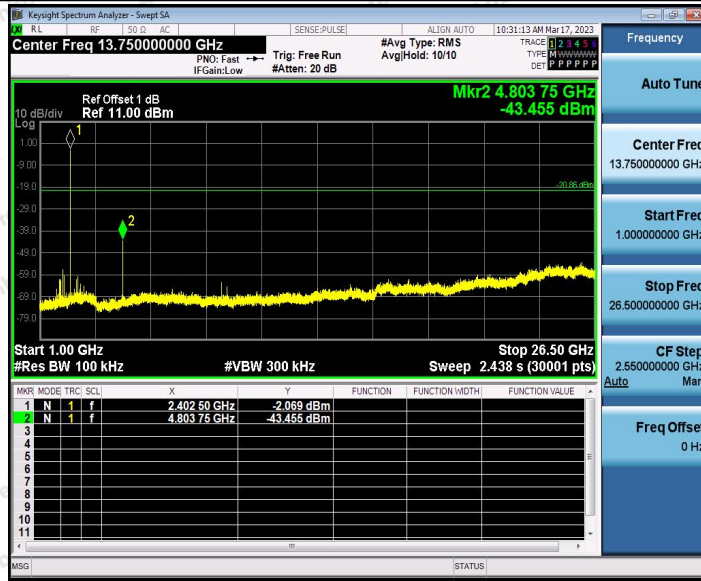


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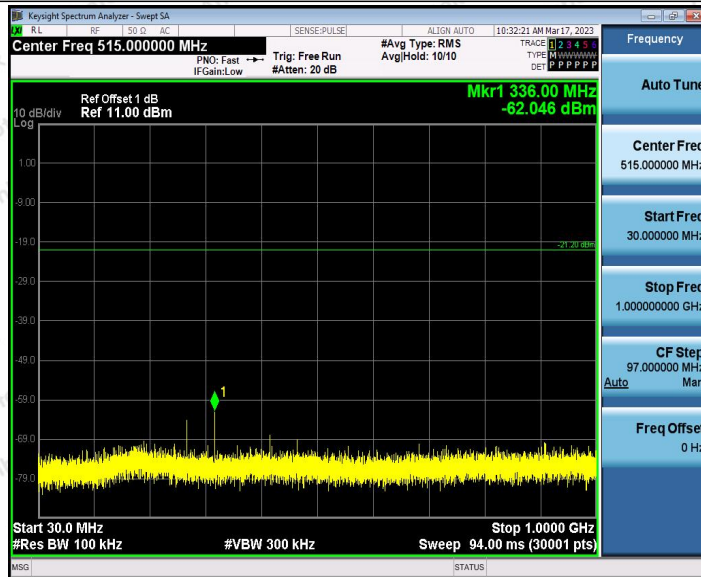




BLE\_1M\_Ant1\_2440\_0~Reference



BLE\_1M\_Ant1\_2440\_30~1000



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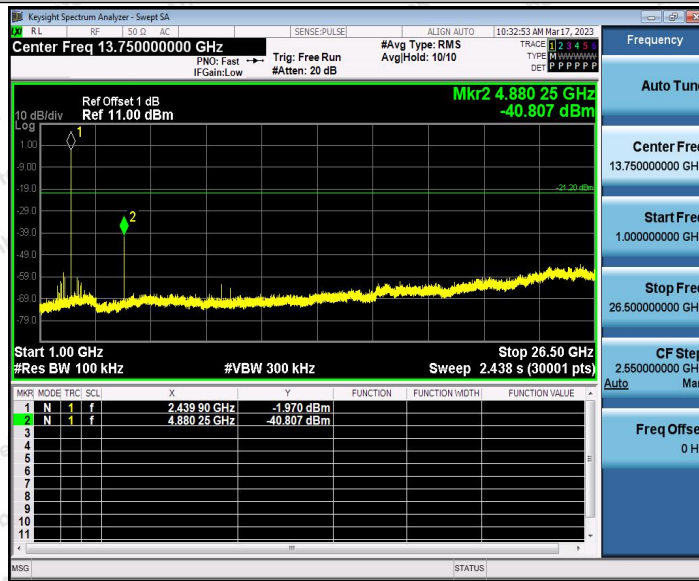
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### BLE\_1M\_Ant1\_2440\_1000~26500



### BLE\_1M\_Ant1\_2480\_0~Reference



### BLE\_1M\_Ant1\_2480\_30~1000

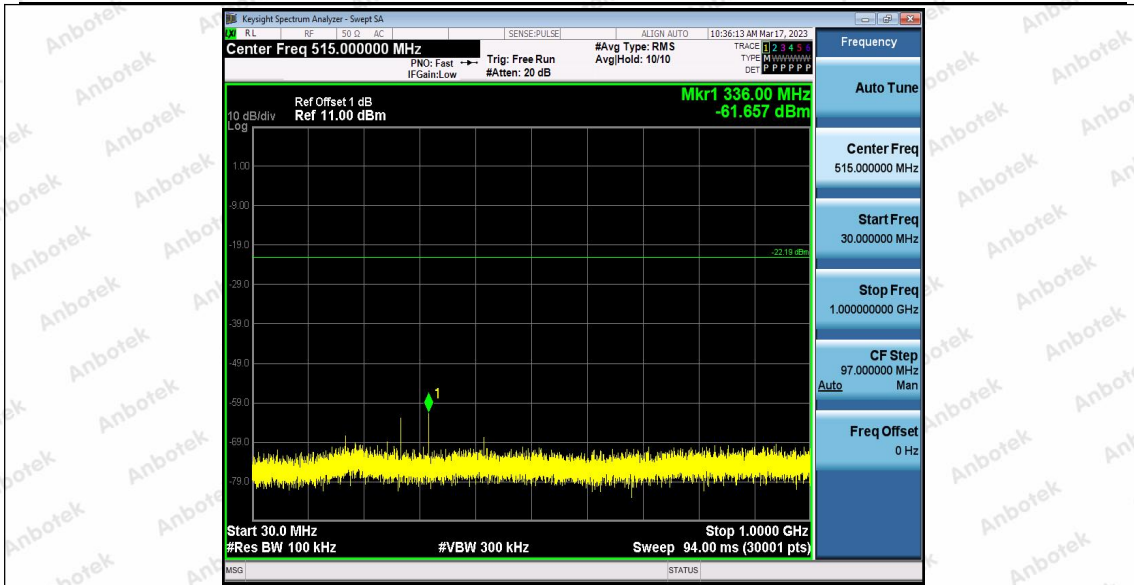
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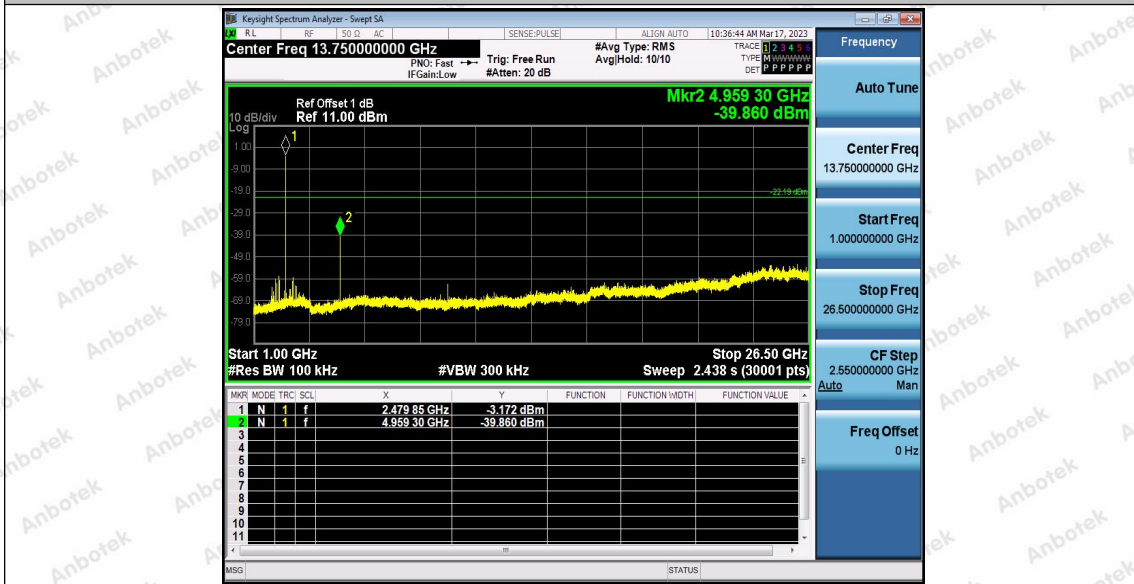


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BLE\_1M\_Ant1\_2480\_1000~26500



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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	0.41	0.63	65.08	1.87
		2440	0.41	0.63	65.08	1.87
		2480	0.41	0.63	65.08	1.87

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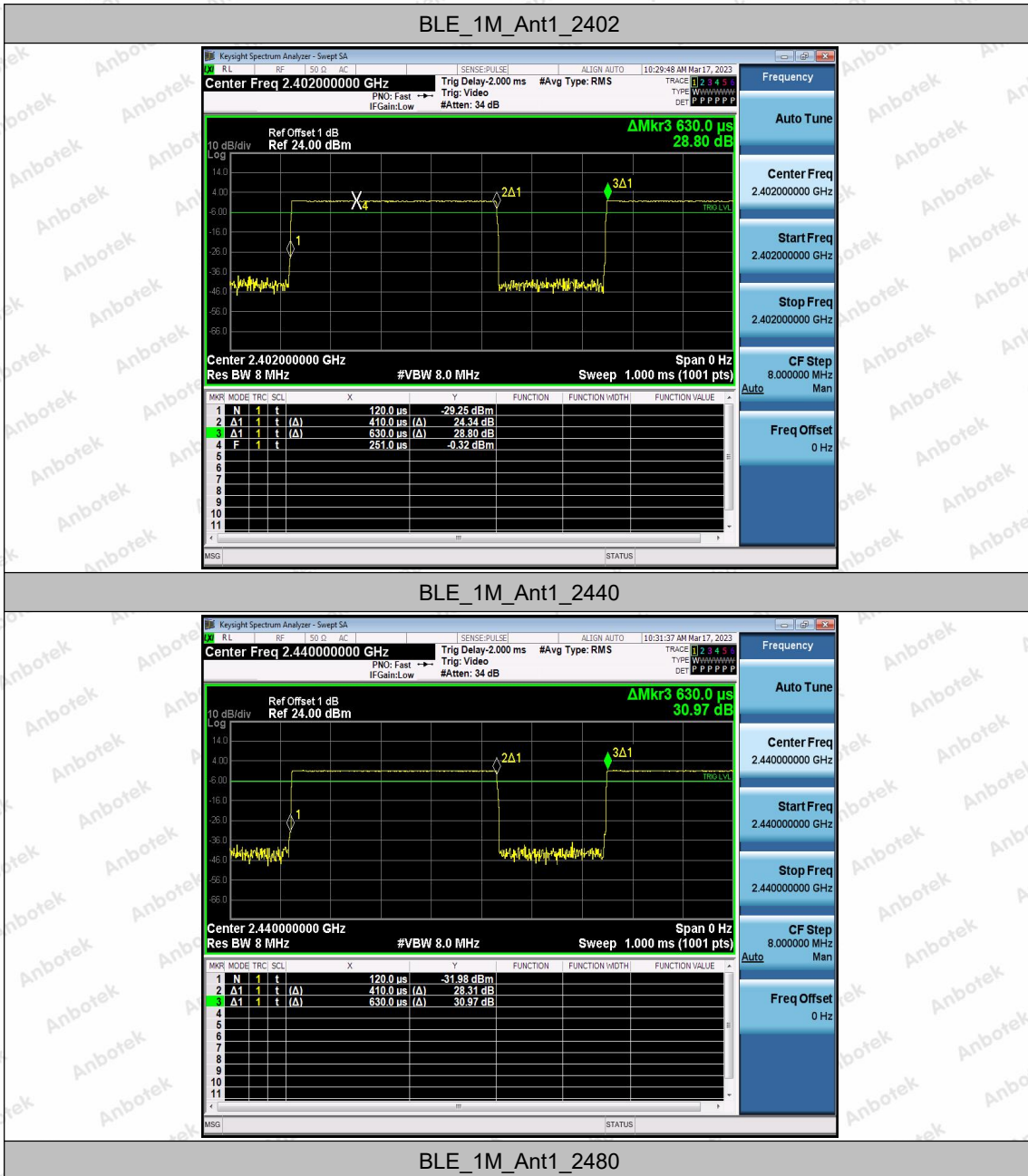
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## Test Graphs

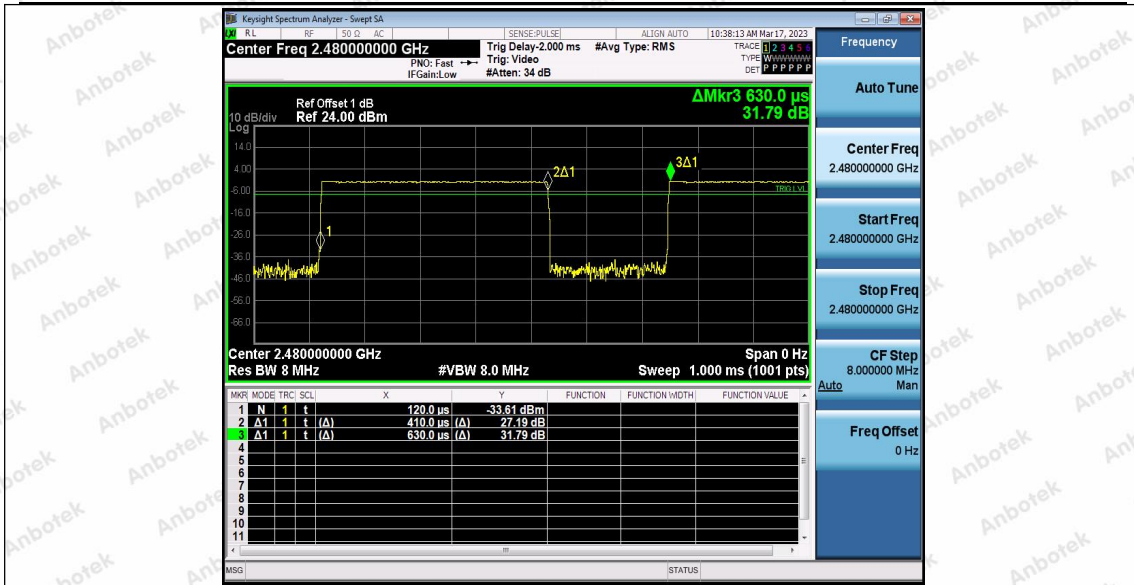


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