

## Appendix Test Data

Report No.:	18220WC30263201	Test Sample No.:	1-2-2
Start Test Date:	2023.12.28	Finish Test Date:	2023.12.29
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.2°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	0.692	2401.676	2402.368	0.5	PASS
		2440	0.736	2439.644	2440.380	0.5	PASS
		2480	0.728	2479.656	2480.384	0.5	PASS

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## Test Graphs



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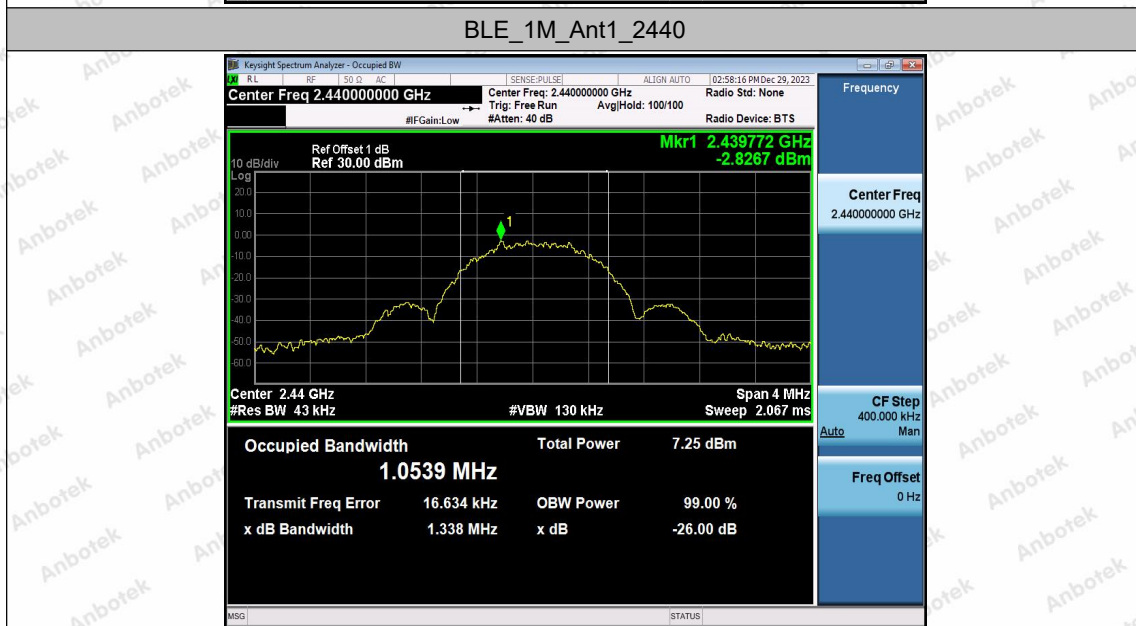
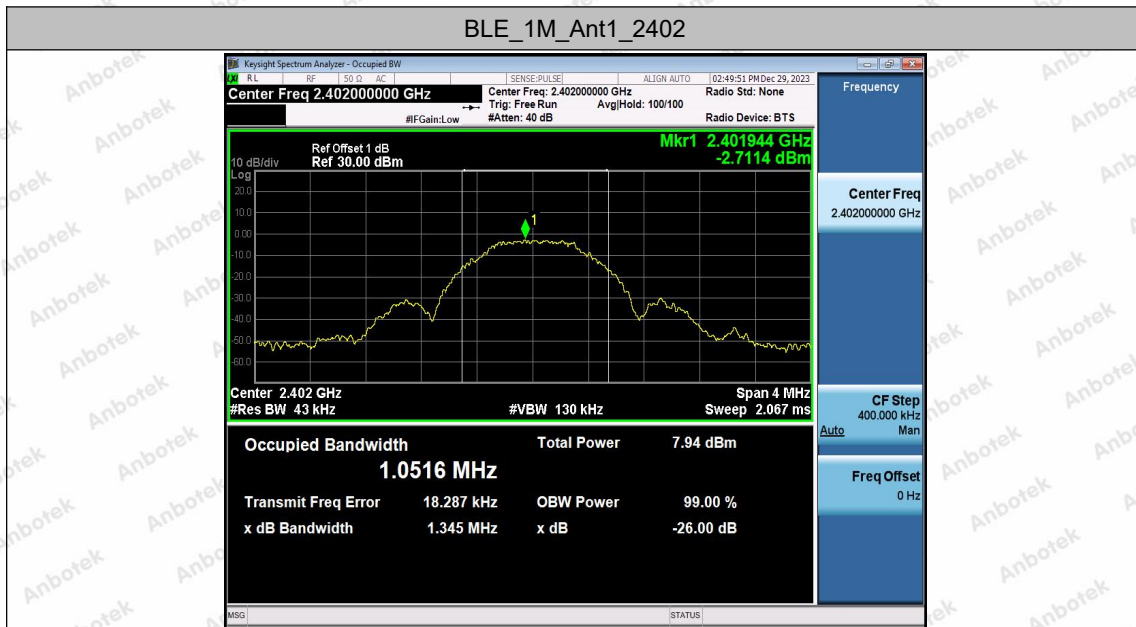


## Appendix B: Occupied Channel Bandwidth

### Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0516	2401.4925	2402.5441
		2440	1.0539	2439.4897	2440.5436
		2480	1.0842	2479.4748	2480.5590

### Test Graphs

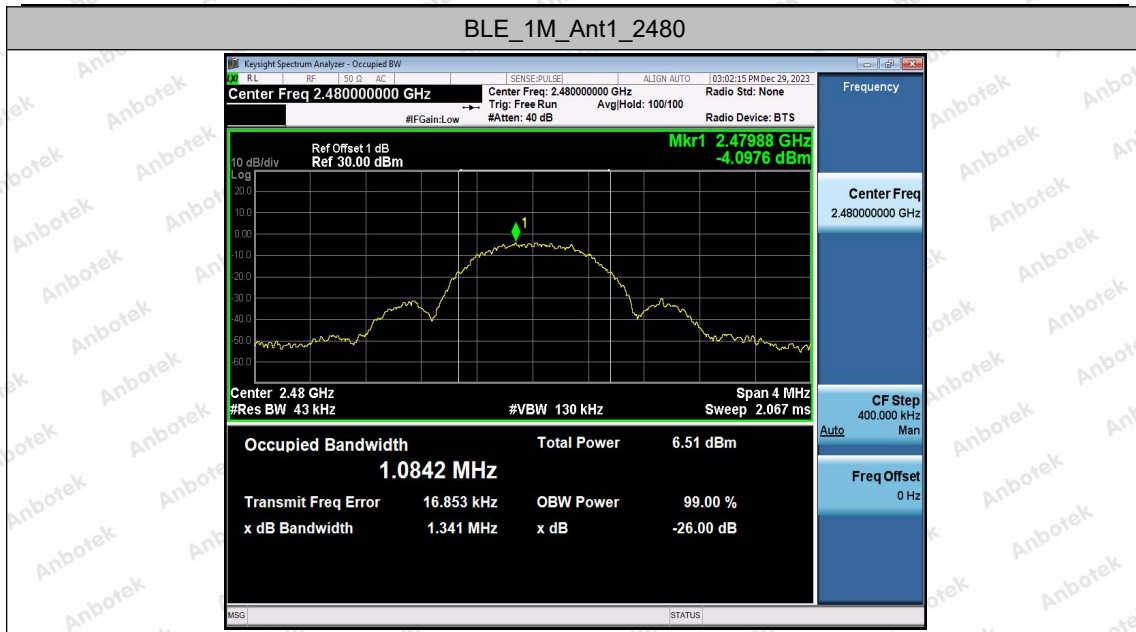


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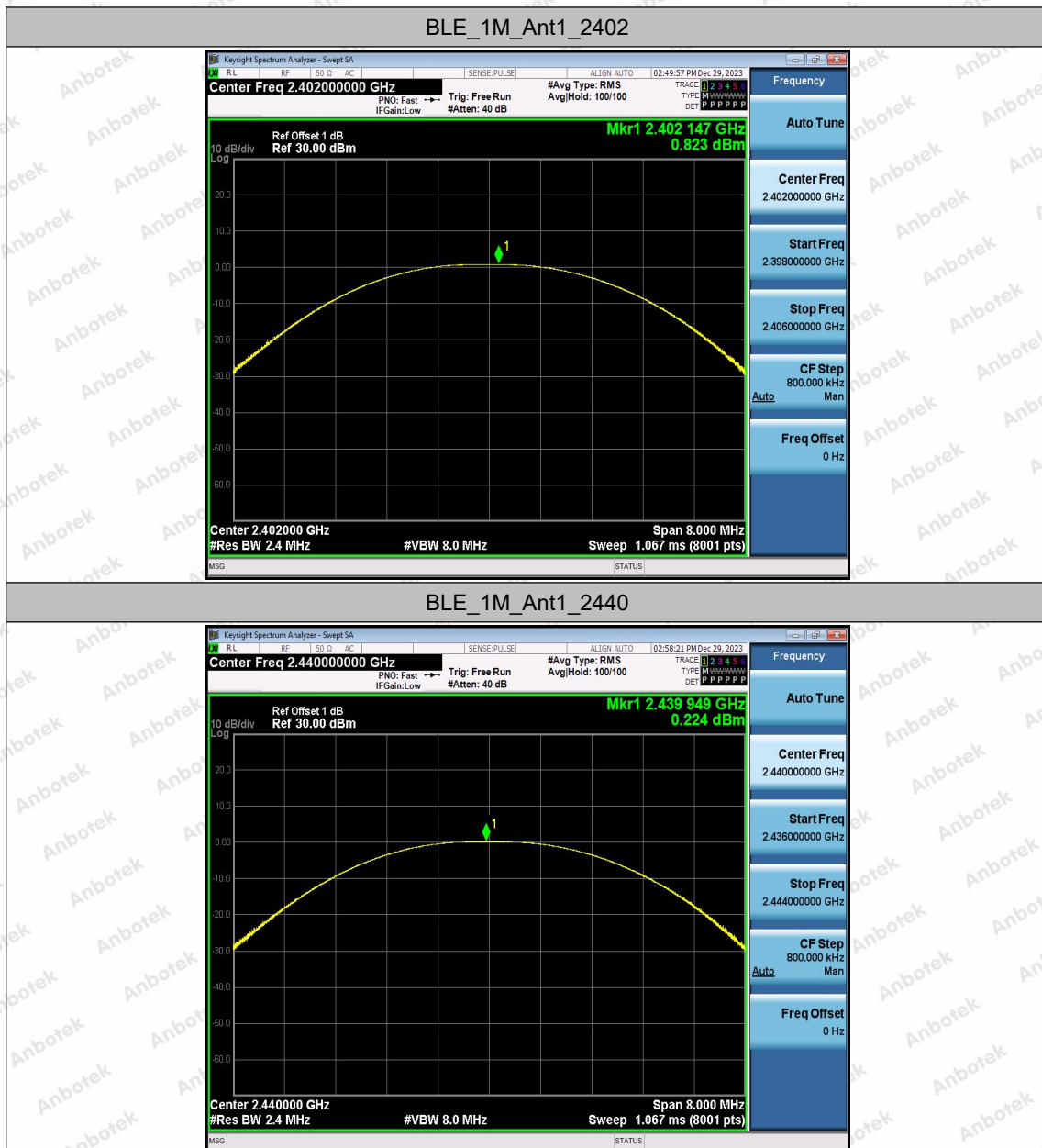


## Appendix C: Maximum conducted output power

### Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.82	≤30	PASS
		2440	0.22	≤30	PASS
		2480	-0.37	≤30	PASS

### Test Graphs Peak



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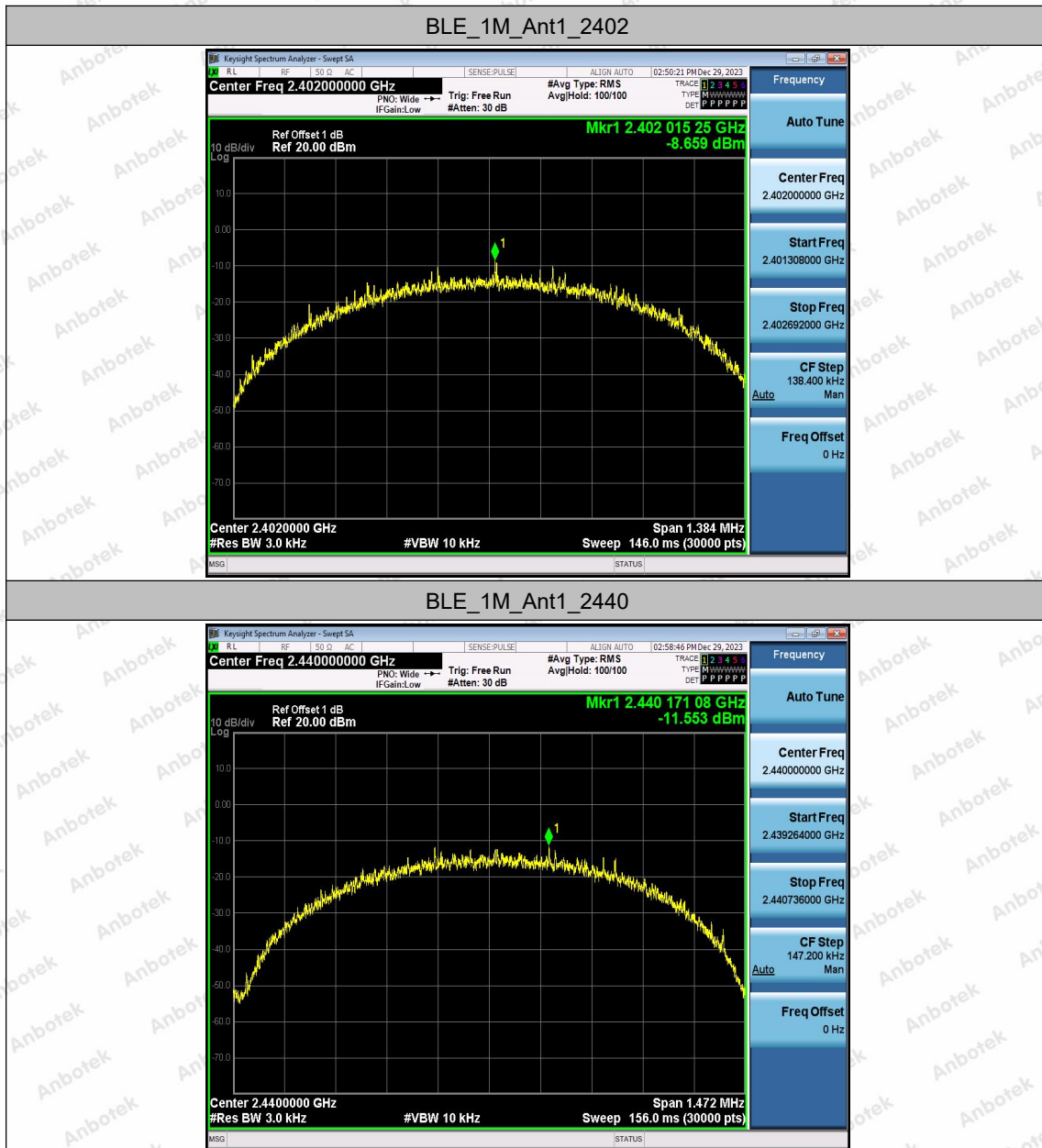


## Appendix D: Maximum power spectral density

### Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-8.66	≤8.00	PASS
		2440	-11.55	≤8.00	PASS
		2480	-12.56	≤8.00	PASS

### Test Graphs



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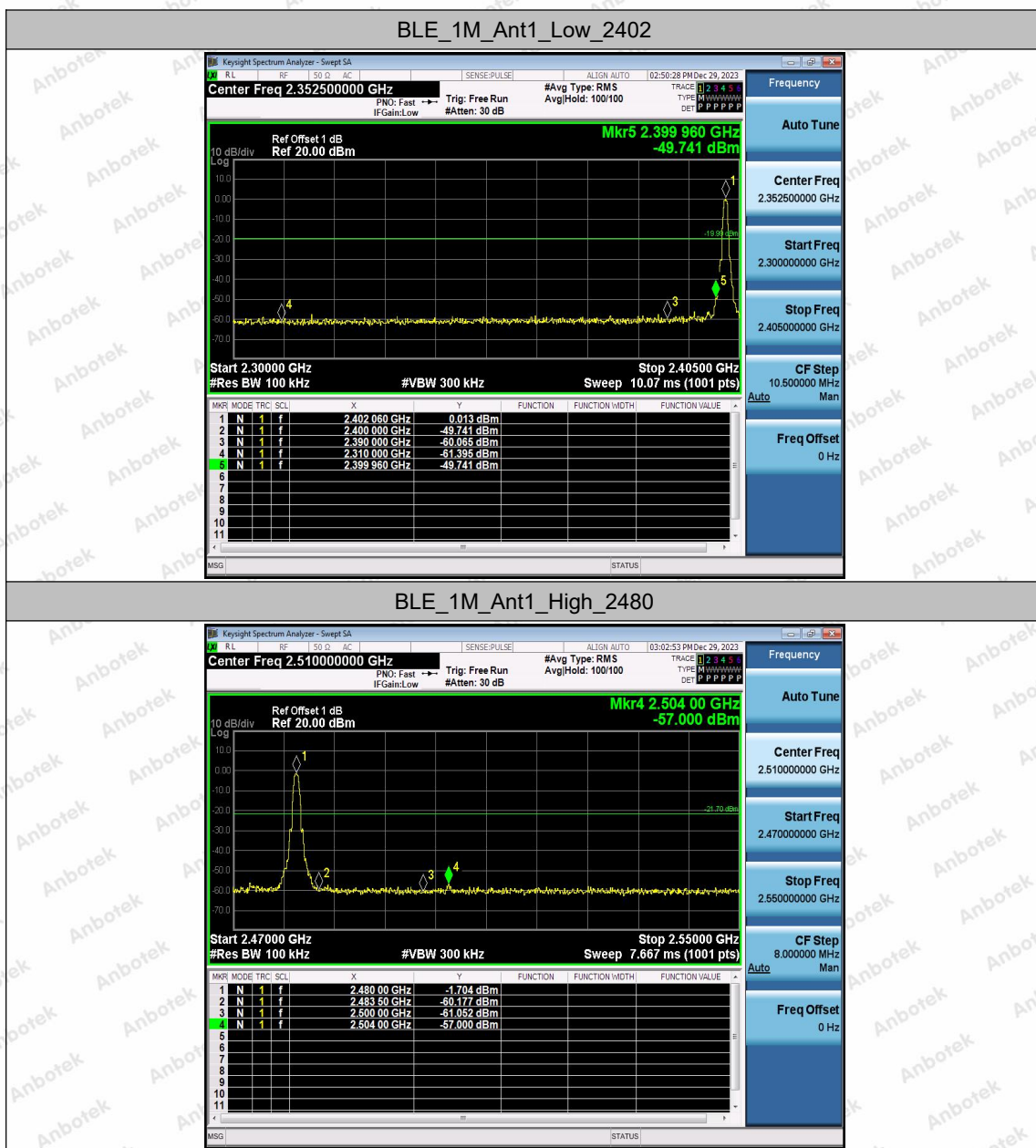


## Appendix E: Band edge measurements

### Test Result

TestMod e	Antenn a	ChNam e	Frequency[MHz ]	RefLevel[dBm ]	Result[dBm ]	Limit[dBm ]	Verdic t
BLE_1M	Ant1	Low	2402	0.01	-49.74	≤-19.99	PASS
		High	2480	-1.70	-57	≤-21.7	PASS

### Test Graphs



## Appendix F: Conducted Spurious Emission

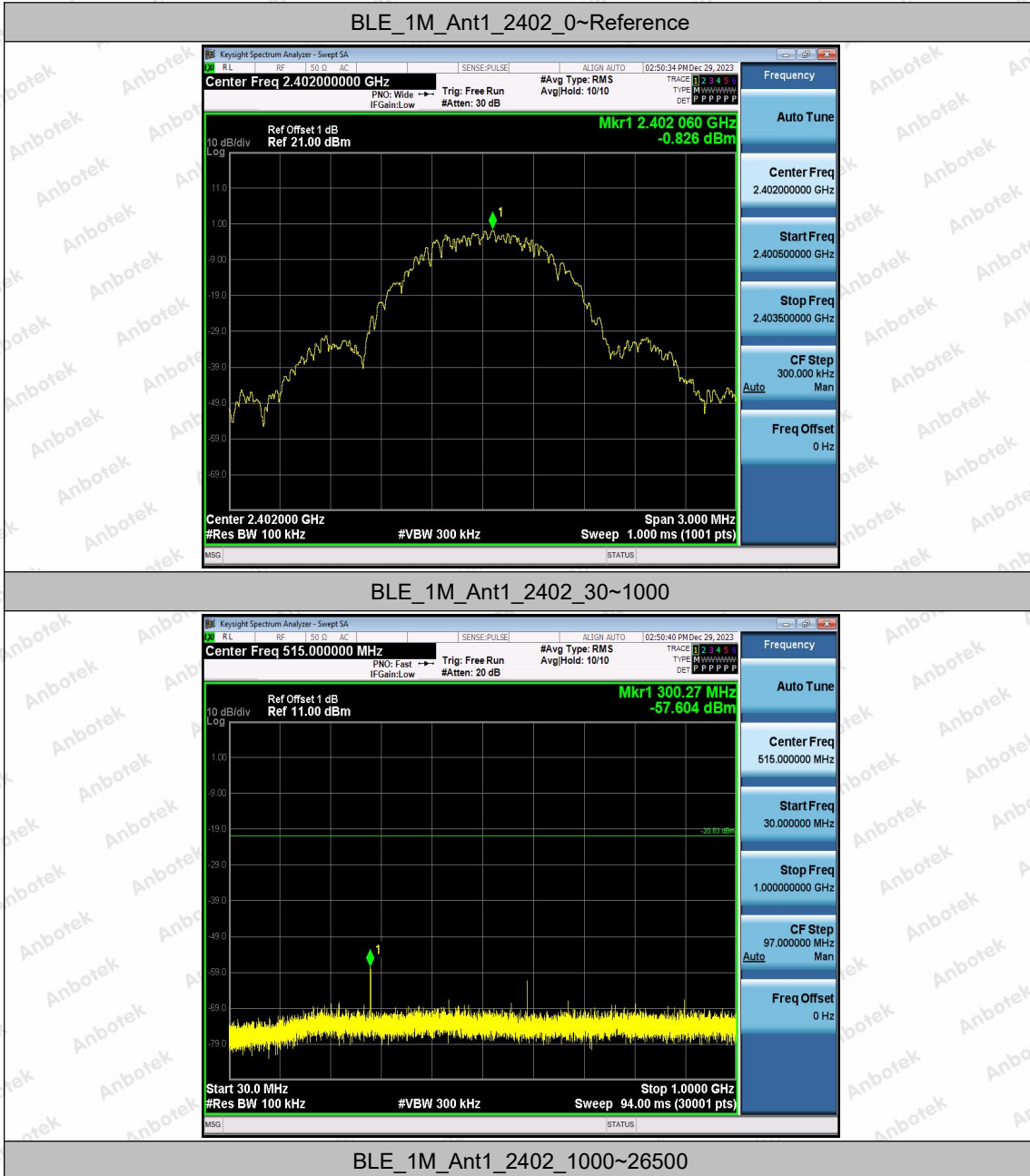
### Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-0.83	-0.83	---	PASS
			30~1000	-0.83	-57.6	≤-20.83	PASS
			1000~26500	-0.83	-53.87	≤-20.83	PASS
		2440	Reference	-0.41	-0.41	---	PASS
			30~1000	-0.41	-58.94	≤-20.41	PASS
			1000~26500	-0.41	-53.98	≤-20.41	PASS
		2480	Reference	-2.70	-2.70	---	PASS
			30~1000	-2.70	-59.16	≤-22.7	PASS
			1000~26500	-2.70	-53.27	≤-22.7	PASS





## Test Graphs

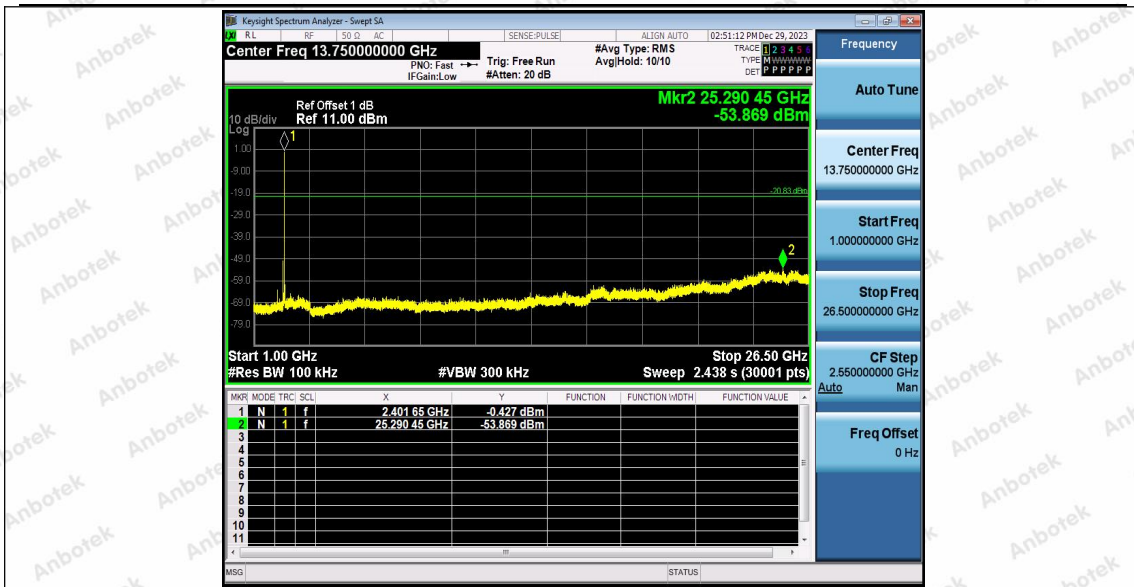


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BLE\_1M\_Ant1\_2440\_0~Reference



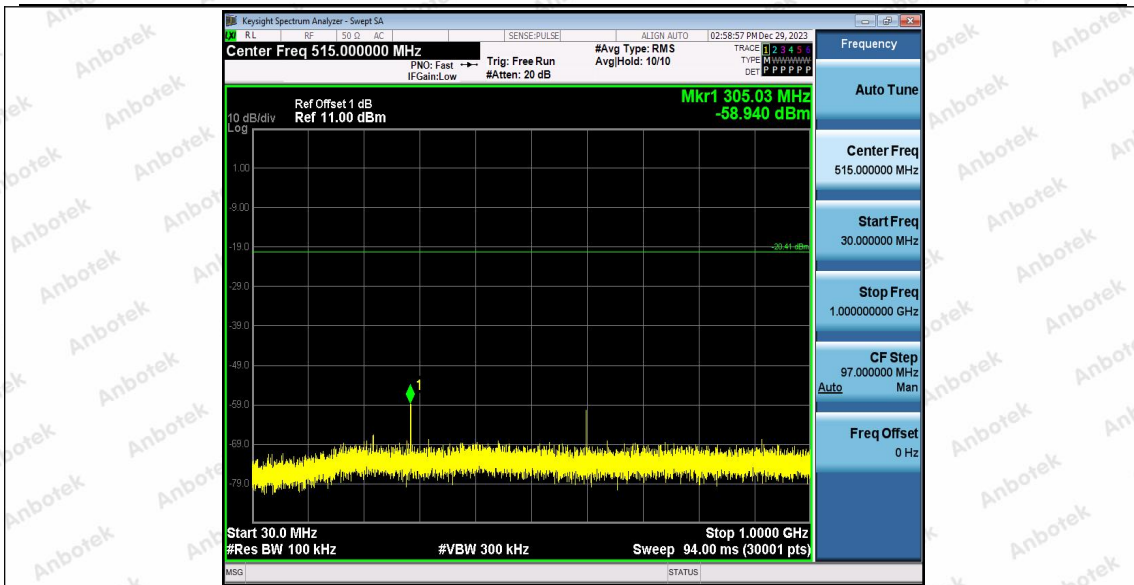
BLE\_1M\_Ant1\_2440\_30~1000

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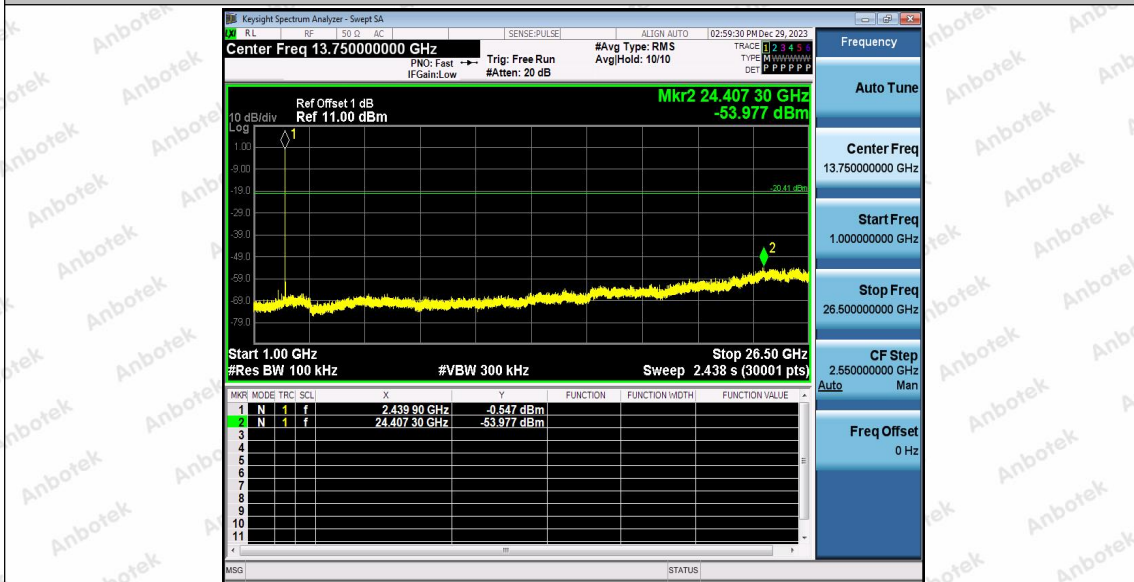
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BLE\_1M\_Ant1\_2440\_1000~26500



BLE\_1M\_Ant1\_2480\_0~Reference

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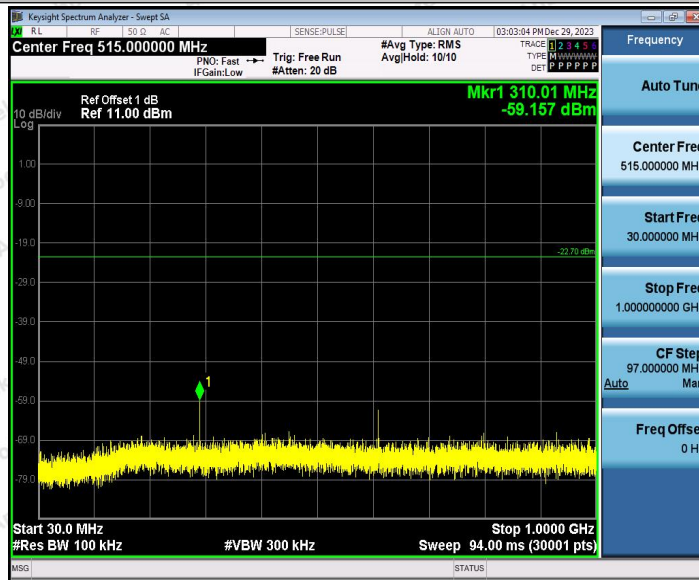
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BLE\_1M\_Ant1\_2480\_30~1000



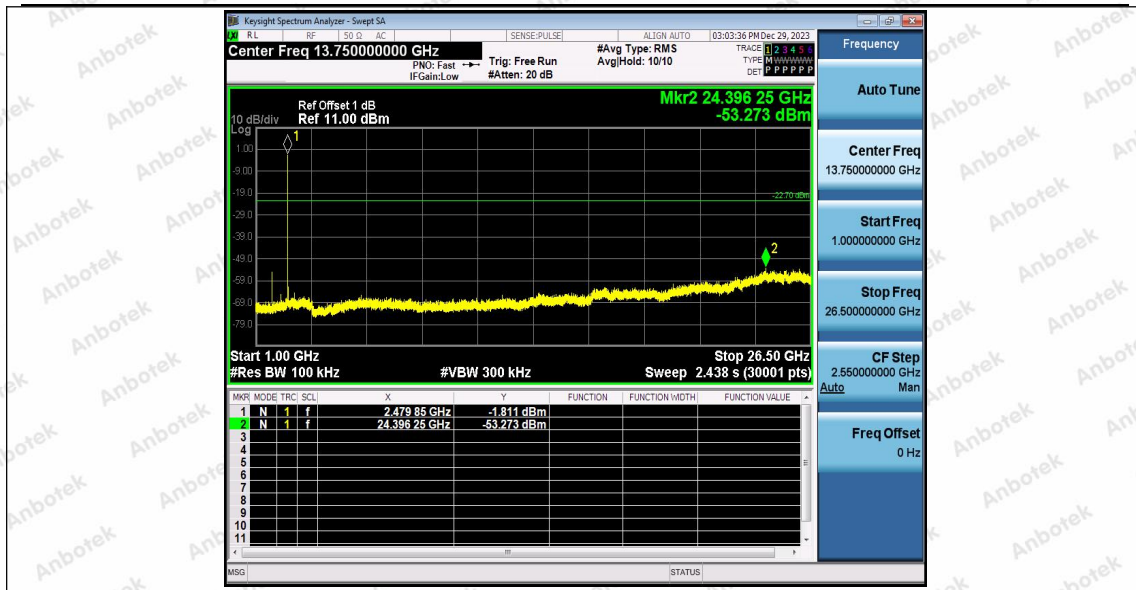
BLE\_1M\_Ant1\_2480\_1000~26500

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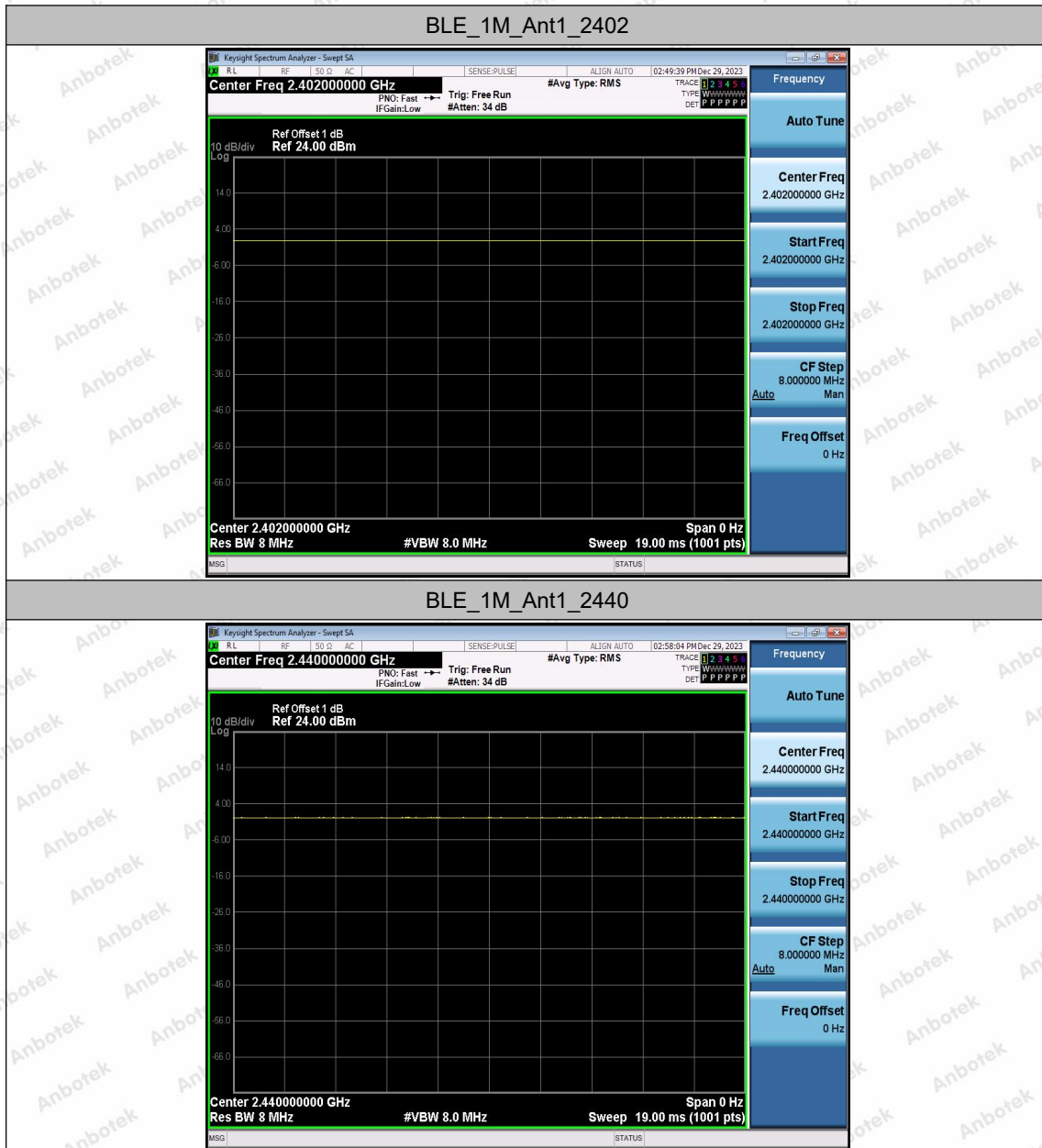


## Appendix G: Duty Cycle

### Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	19.00	19.00	100	0
		2440	19.00	19.00	100	0
		2480	19.00	19.00	100	0

### Test Graphs



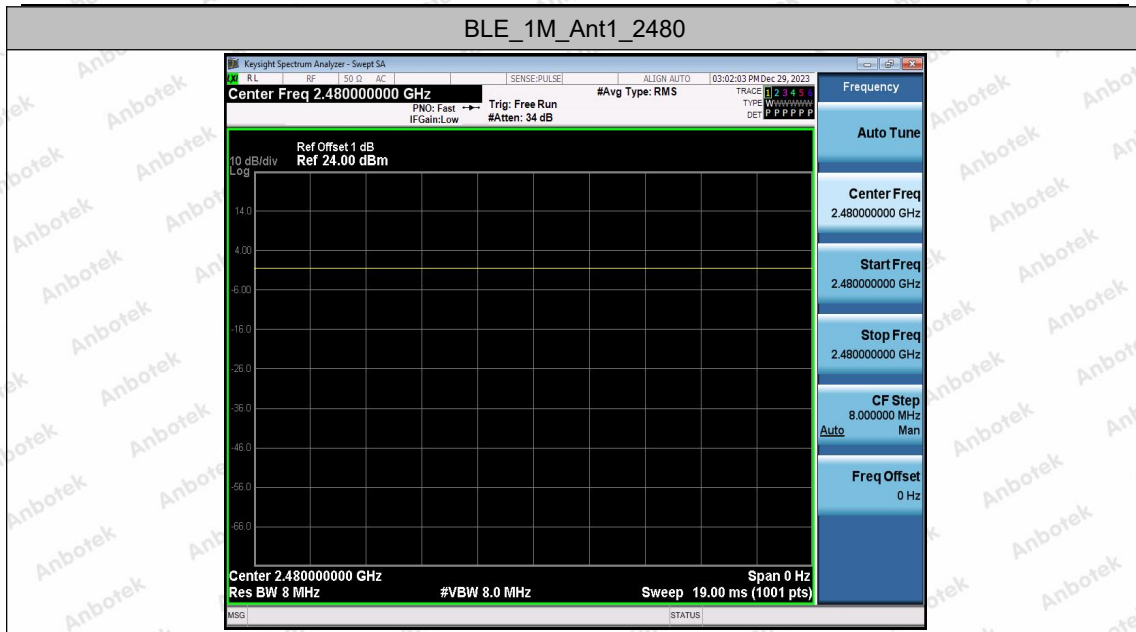
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