

## Appendix Test Data

Report No.:	18220WC30258801	Test Sample No.:	1-2-2
Start Test Date:	2023.12.14	Finish Test Date:	2023.12.15
Test Engineer:	Hayman Chen	Auditor:	Rick Luo
Temperature:	25.5°C	Relative Humidity:	48%
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	0.664	2401.700	2402.364	0.5	PASS
		2440	0.672	2439.688	2440.360	0.5	PASS
		2480	0.664	2479.692	2480.356	0.5	PASS

### Test Graphs



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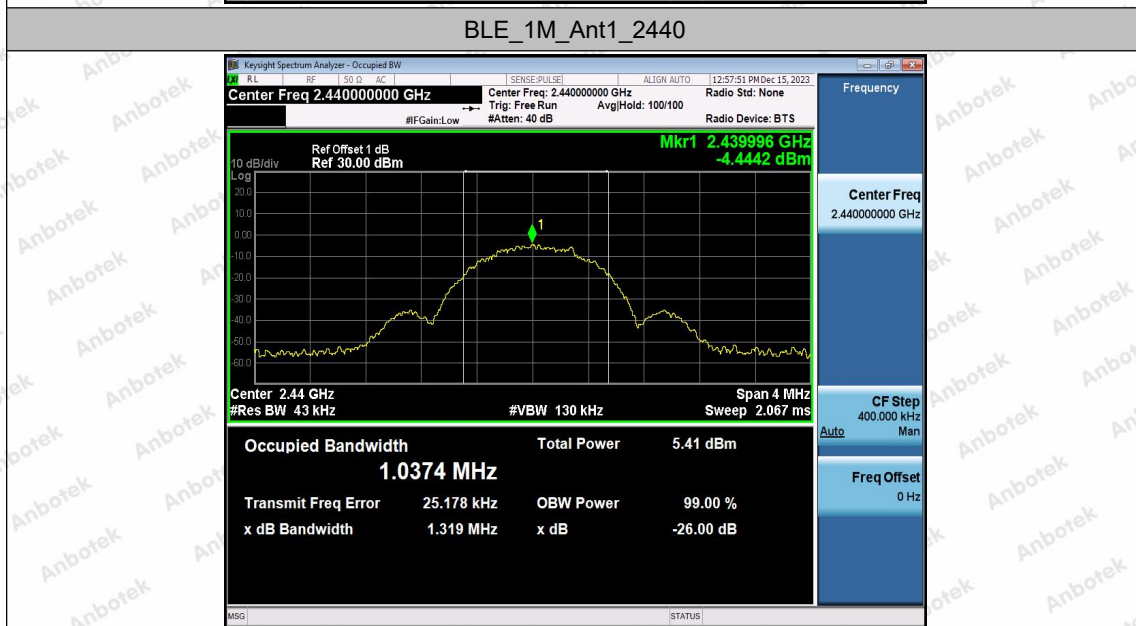
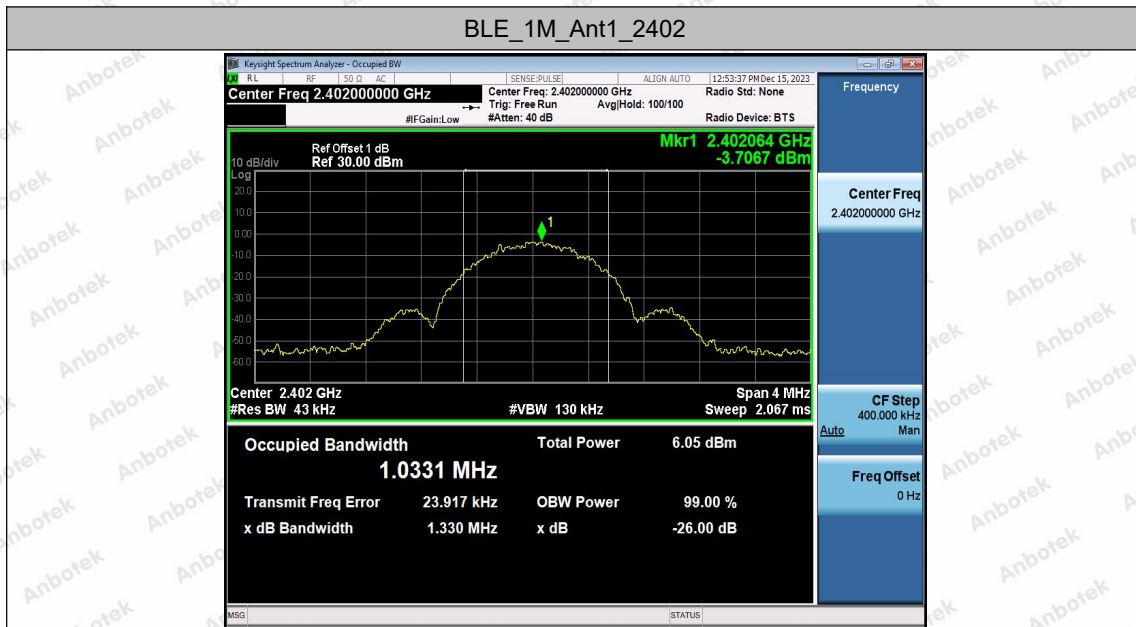


## Appendix B: Occupied Channel Bandwidth

### Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0331	2401.5074	2402.5405
		2440	1.0374	2439.5065	2440.5439
		2480	1.0171	2479.5144	2480.5315

### Test Graphs



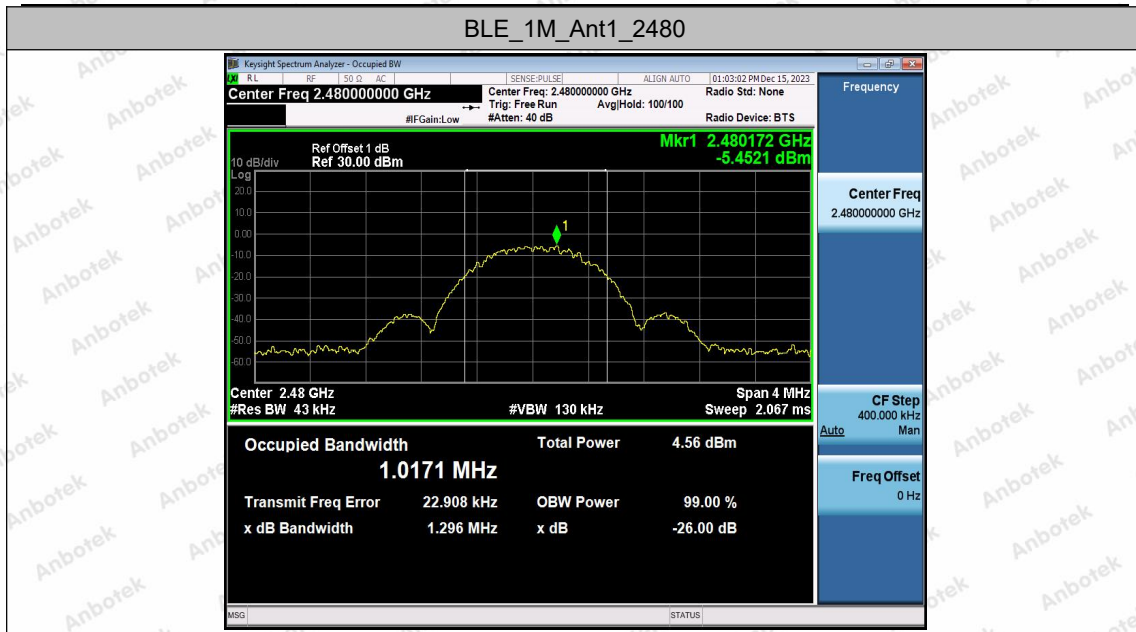
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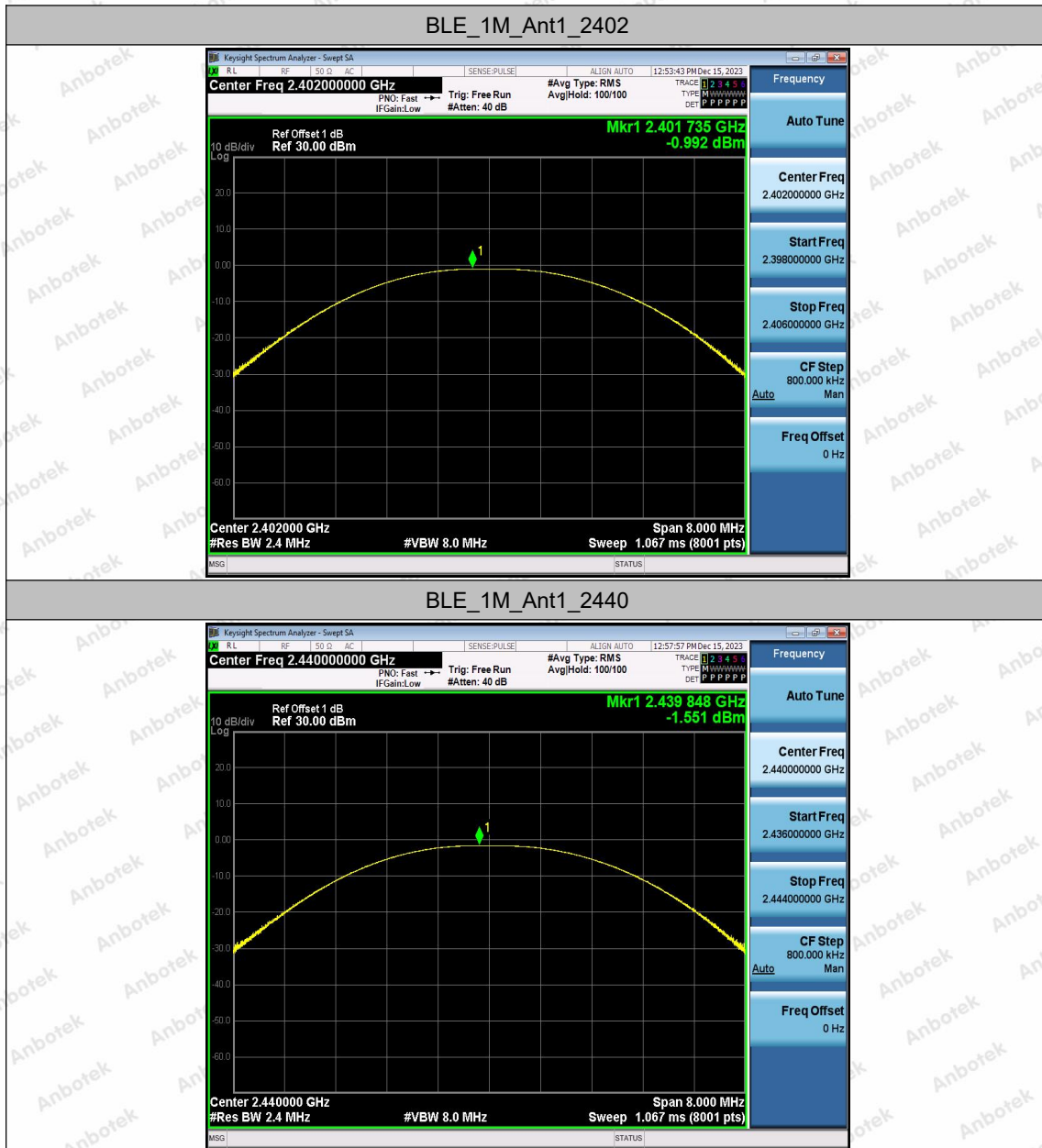


## Appendix C: Maximum conducted output power

### Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.99	≤30	PASS
		2440	-1.55	≤30	PASS
		2480	-2.36	≤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	-10.37	≤8.00	PASS
		2440	-11.31	≤8.00	PASS
		2480	-12.49	≤8.00	PASS

### Test Graphs



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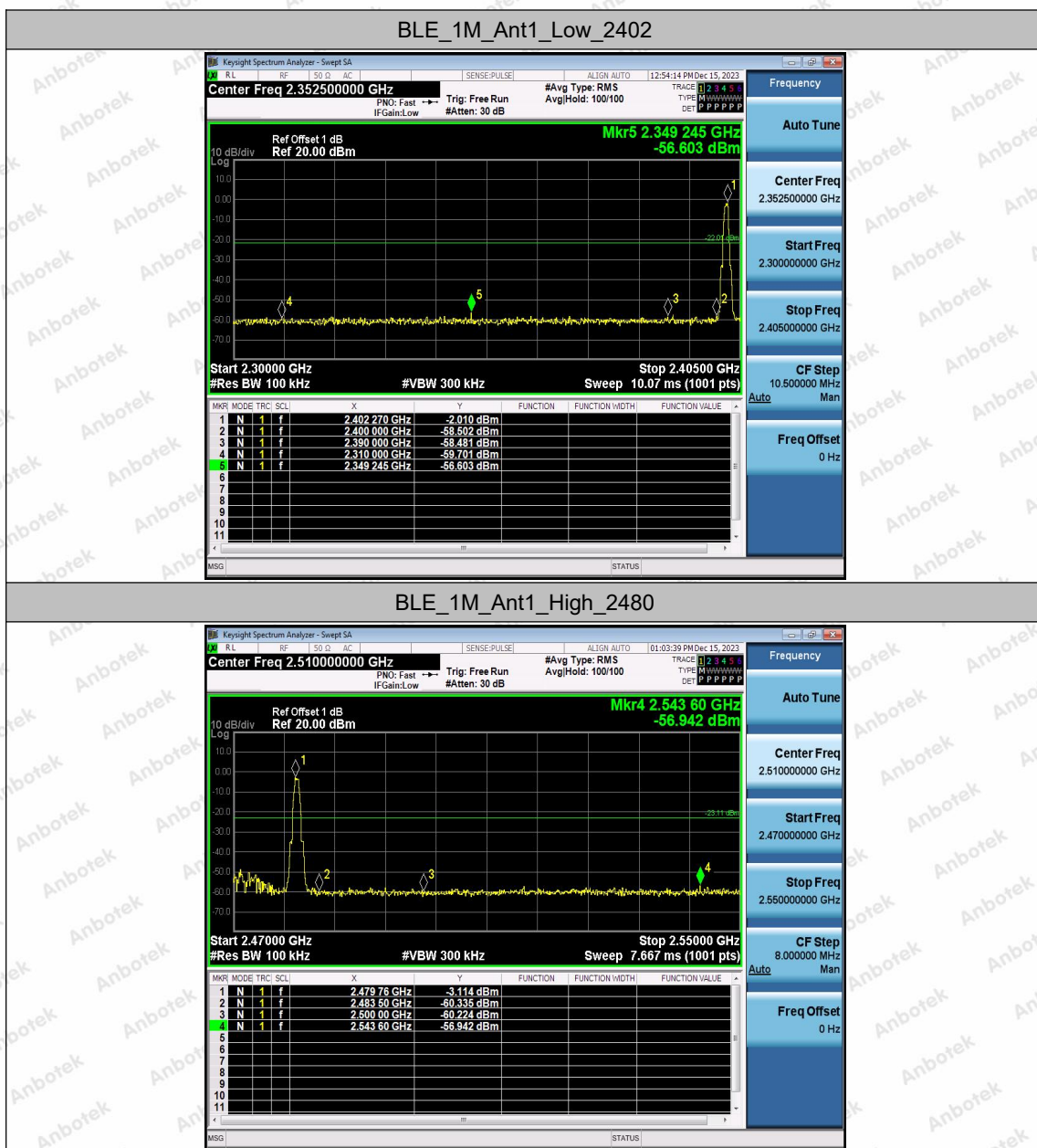


## Appendix E: Band edge measurements

### Test Result

TestMod e	Antenn a	ChNam e	Frequency[MHz ]	RefLevel[dBm ]	Result[dBm ]	Limit[dBm ]	Verdic t
BLE_1M	Ant1	Low	2402	-2.01	-56.6	≤-22.01	PASS
		High	2480	-3.11	-56.94	≤-23.11	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	-1.86	-1.86	---	PASS
			30~1000	-1.86	-64.06	≤-21.86	PASS
			1000~26500	-1.86	-30.66	≤-21.86	PASS
		2440	Reference	-3.12	-3.12	---	PASS
			30~1000	-3.12	-65.05	≤-23.12	PASS
			1000~26500	-3.12	-29.11	≤-23.12	PASS
		2480	Reference	-3.65	-3.65	---	PASS
			30~1000	-3.65	-64.4	≤-23.65	PASS
			1000~26500	-3.65	-27.44	≤-23.65	PASS

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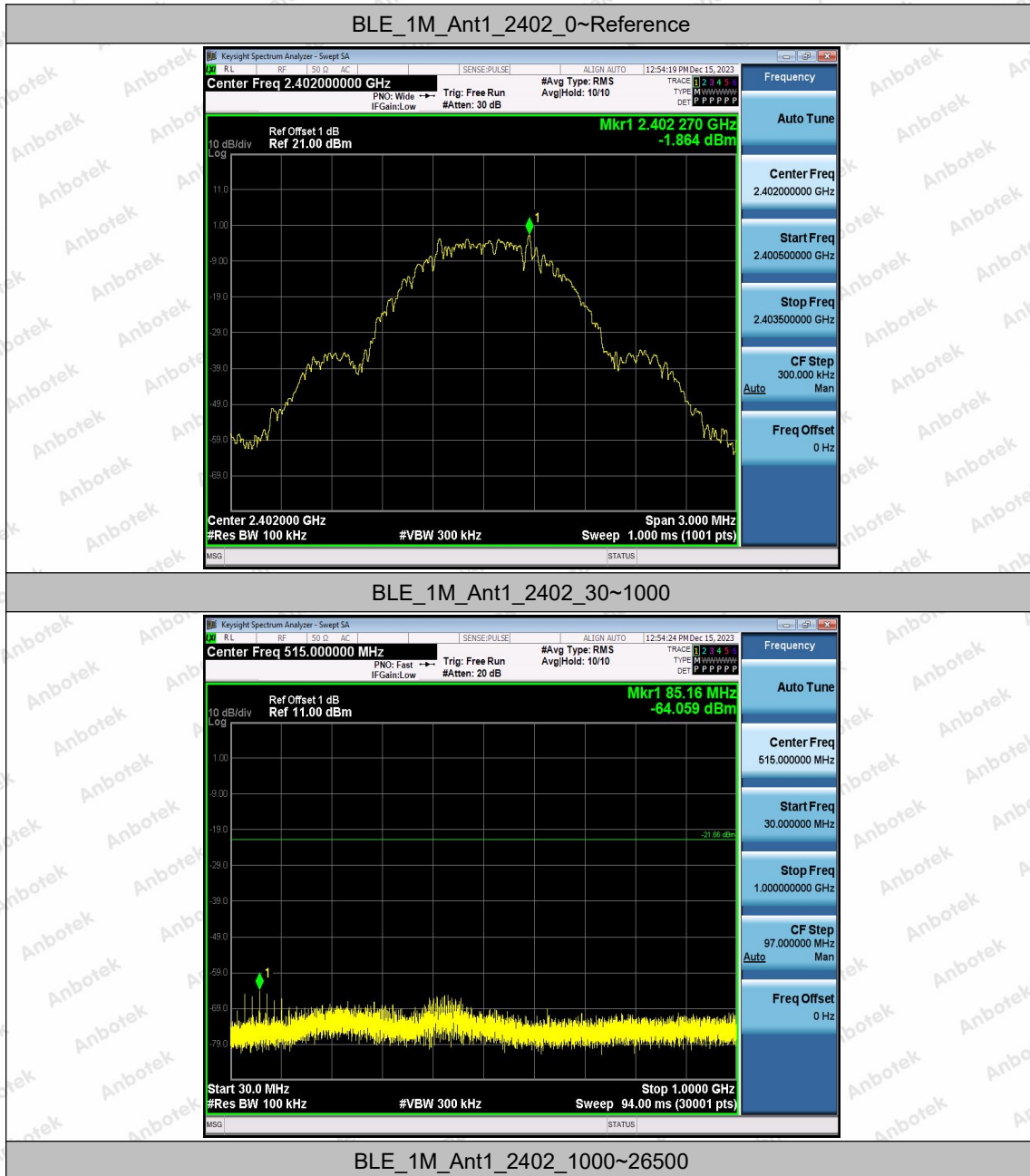
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## Test Graphs

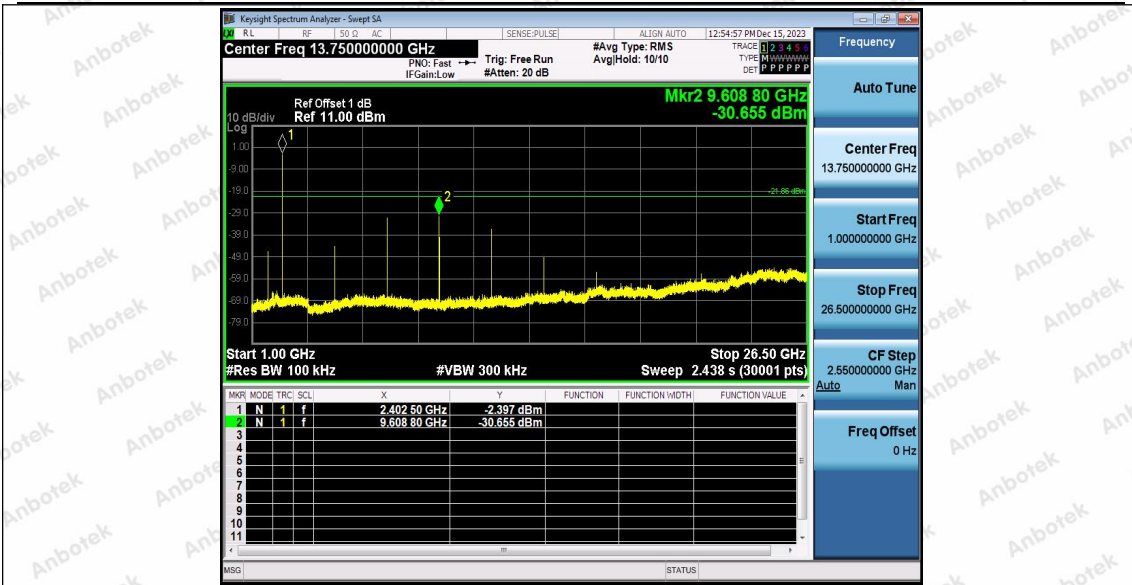


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BLE\_1M\_Ant1\_2440\_0~Reference



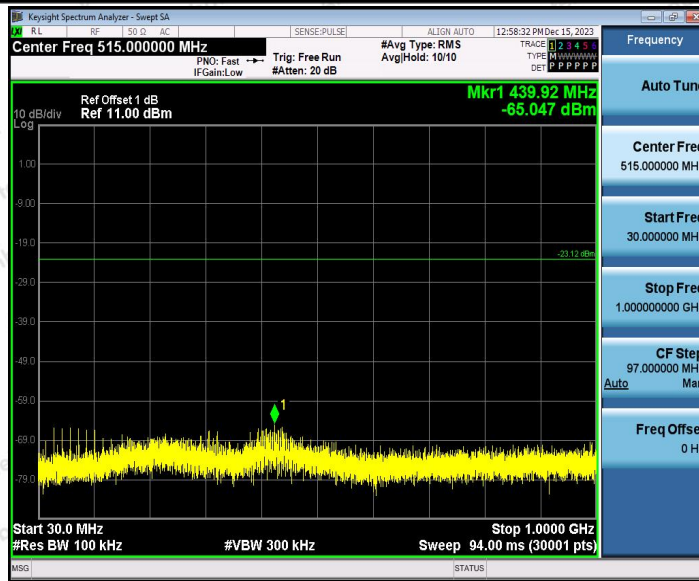
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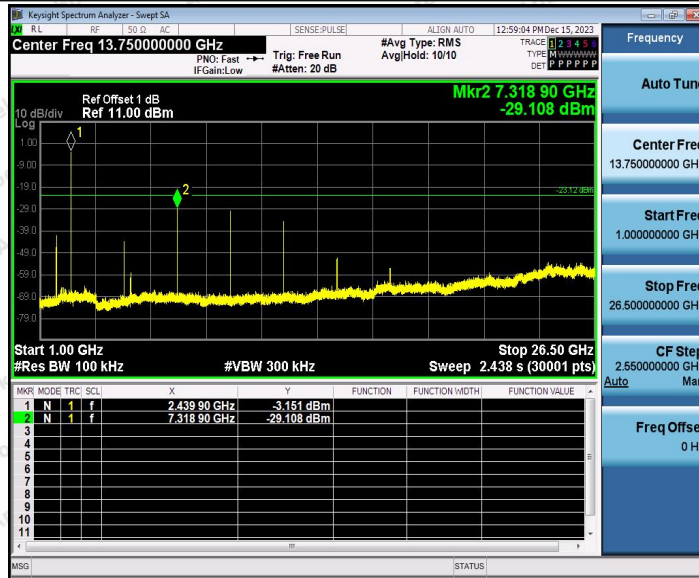
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BLE\_1M\_Ant1\_2440\_1000~26500



BLE\_1M\_Ant1\_2480\_0~Reference

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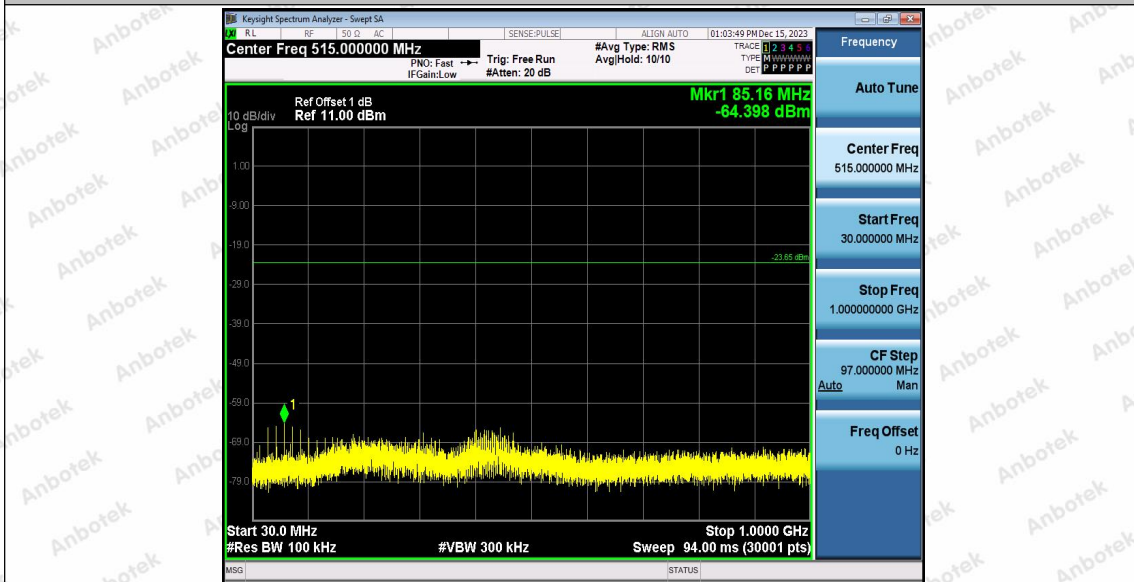
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BLE\_1M\_Ant1\_2480\_30~1000



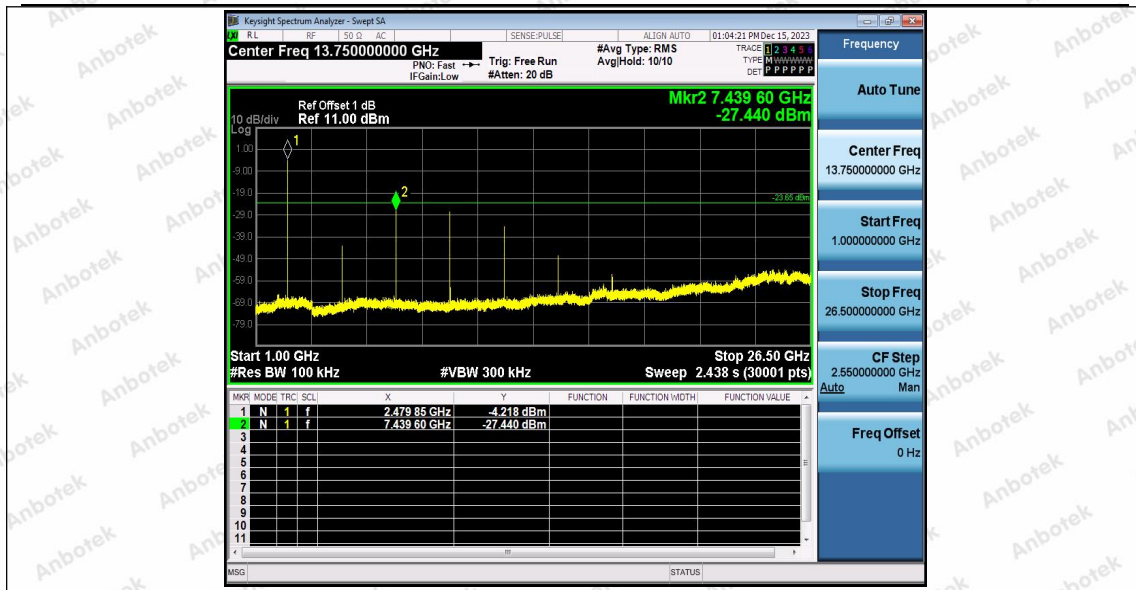
BLE\_1M\_Ant1\_2480\_1000~26500

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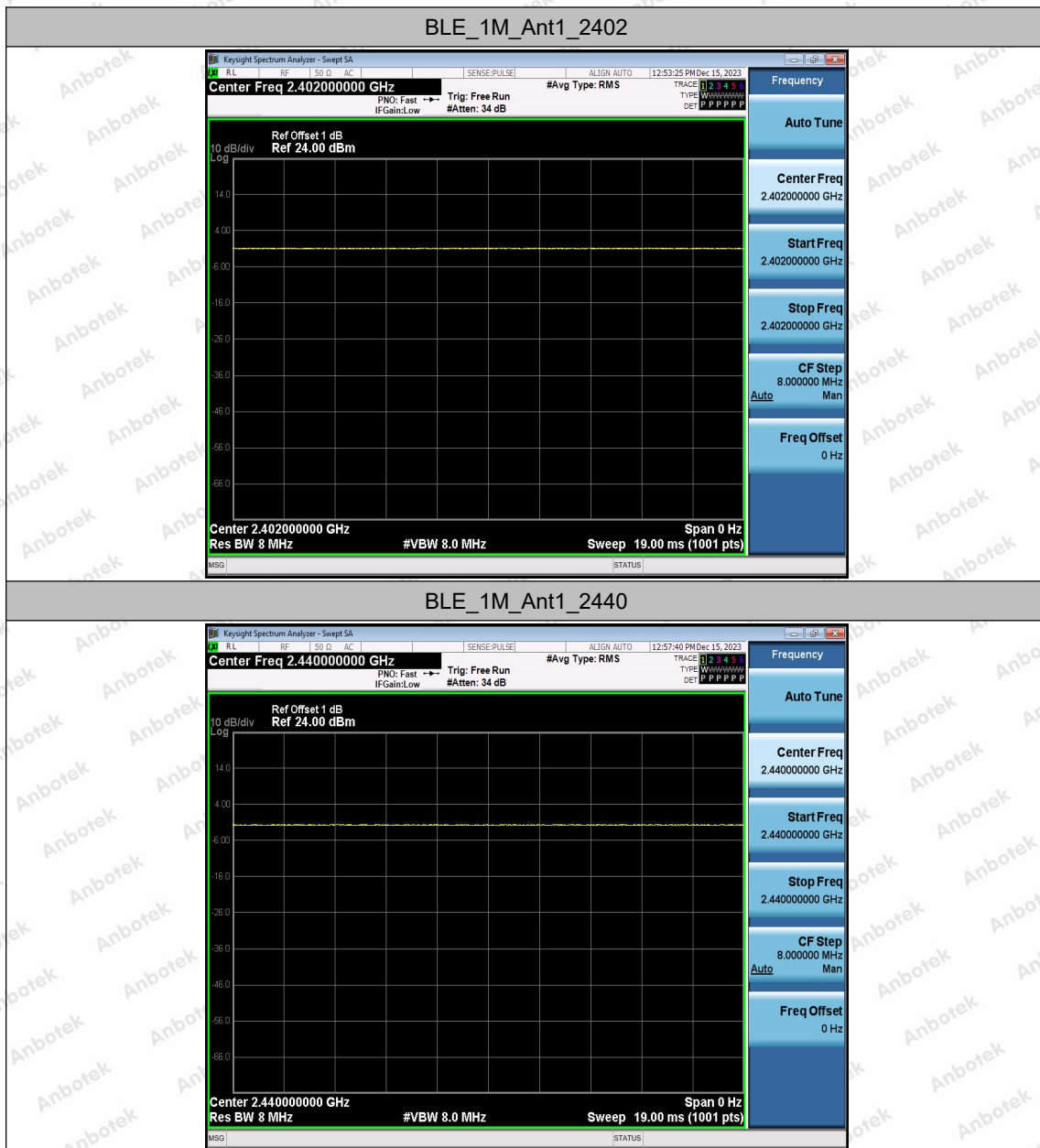


## Appendix G: Duty Cycle

### 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	0.00
		2440	19.00	19.00	100	0.00
		2480	19.00	19.00	100	0.00

### Test Graphs



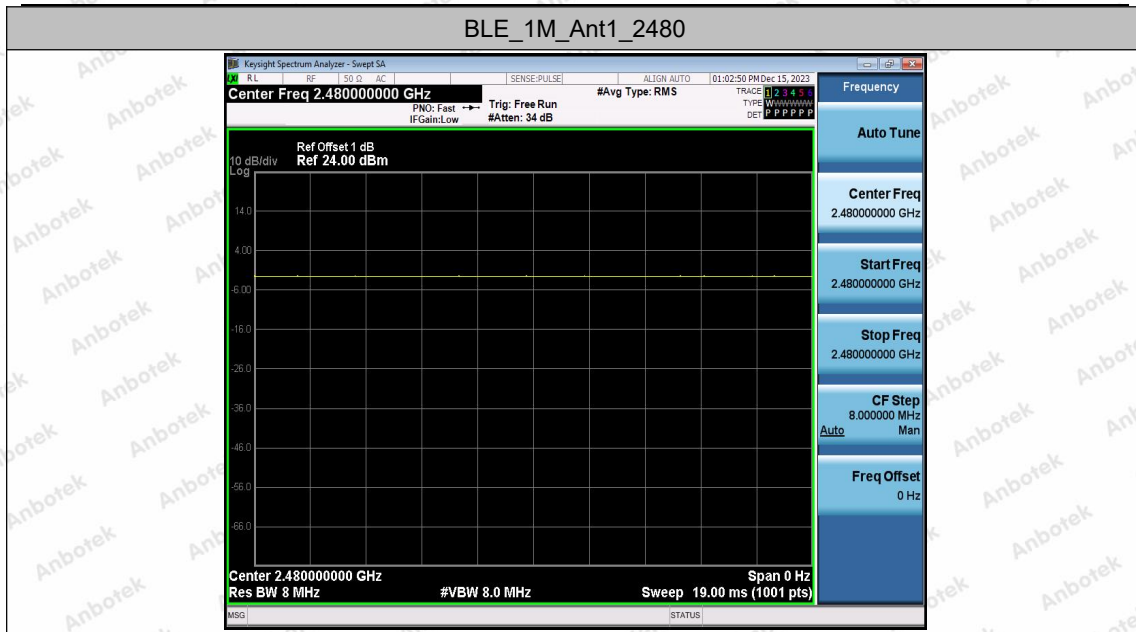
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