

## Appendix Test Data

Report No.:	18220WC20258301	Test Sample No.:	1-2-2
Start Test Date:	2022.11.8	Finish Test Date:	2022.12.15
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3C°	Relative Humidity:	47 %
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	0.712	2401.652	2402.364	0.5	PASS
		2440	0.680	2439.672	2440.352	0.5	PASS
		2480	0.680	2479.676	2480.356	0.5	PASS

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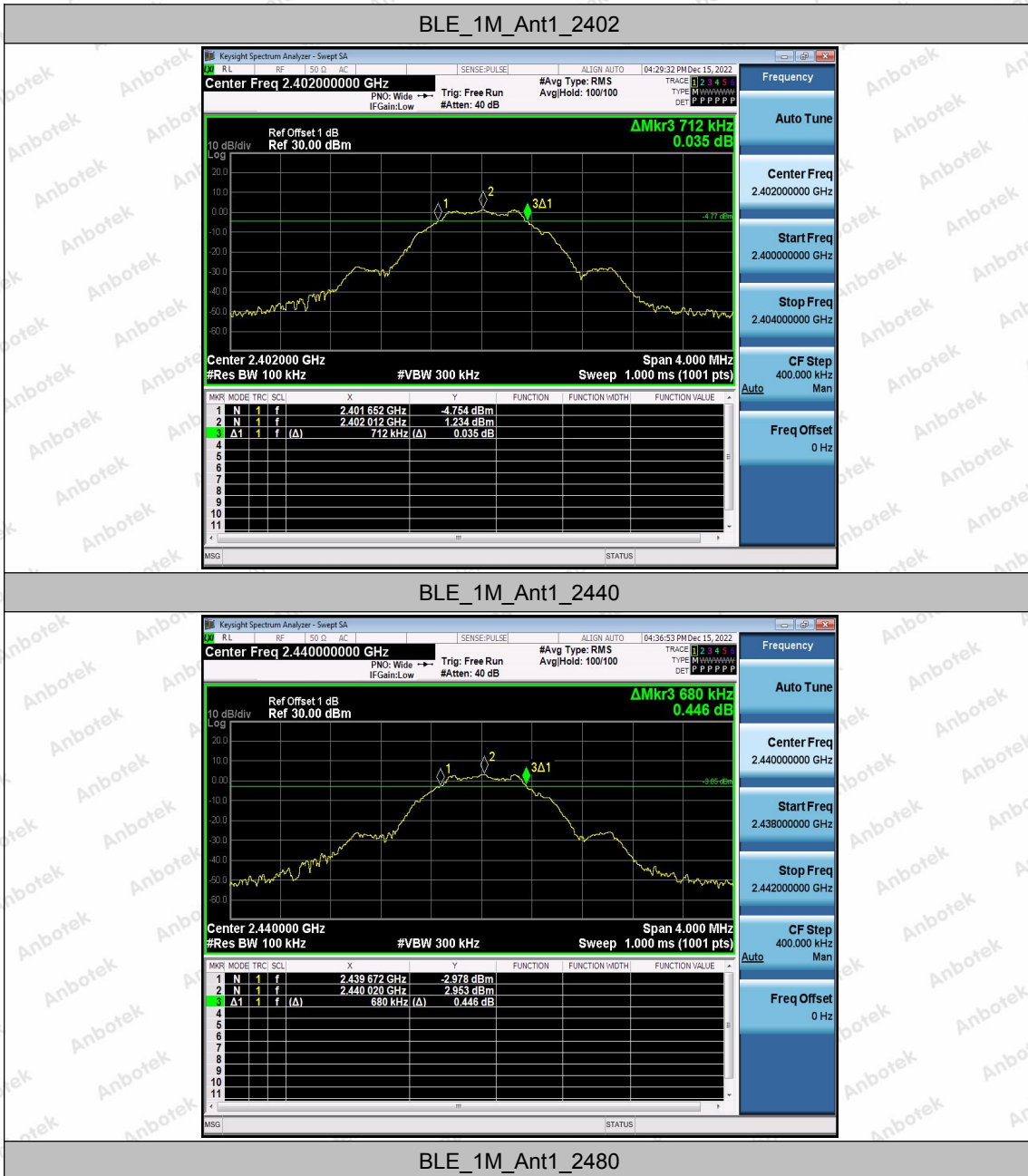
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## Test Graphs



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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	1.0625	2401.4916	2402.5541
		2440	1.0599	2439.4994	2440.5593
		2480	1.0563	2479.5060	2480.5623

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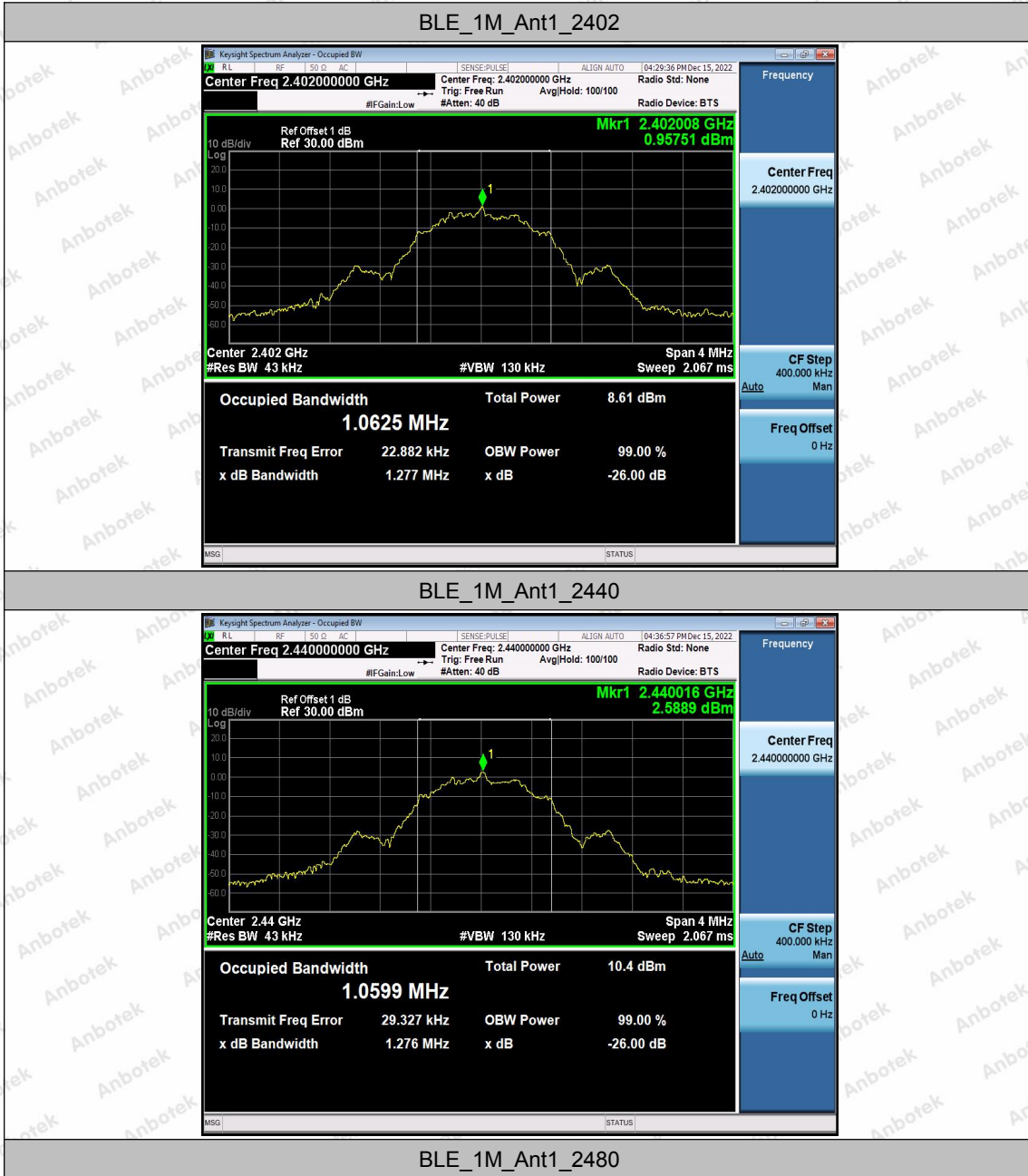
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## Test Graphs



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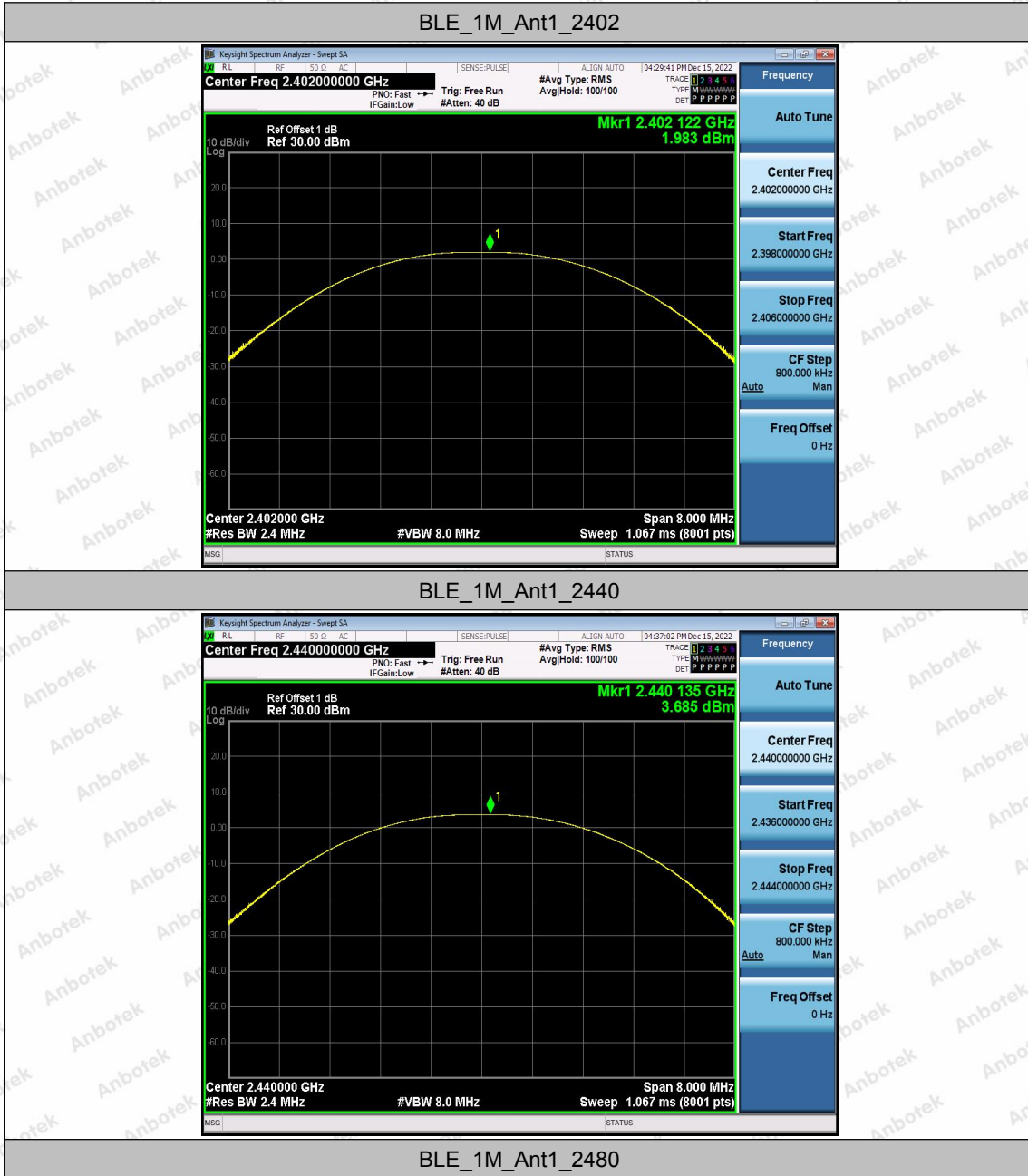
## Appendix C: Maximum conducted output power

### Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.98	≤30	PASS
		2440	3.69	≤30	PASS
		2480	5.33	≤30	PASS



## Test Graphs Peak



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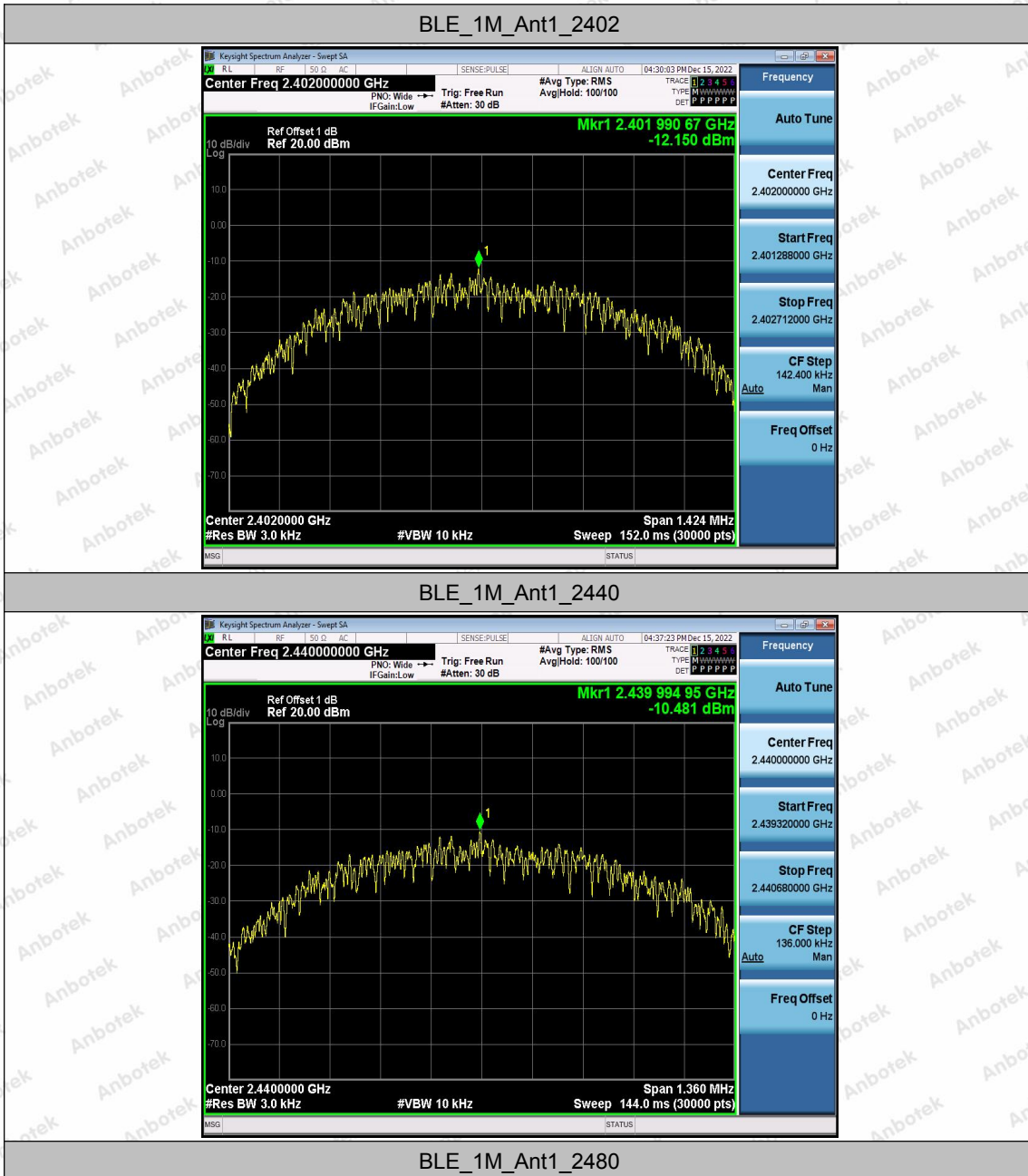
## Appendix D: Maximum power spectral density

### Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.15	≤8.00	PASS
		2440	-10.48	≤8.00	PASS
		2480	-8.79	≤8.00	PASS



## Test Graphs



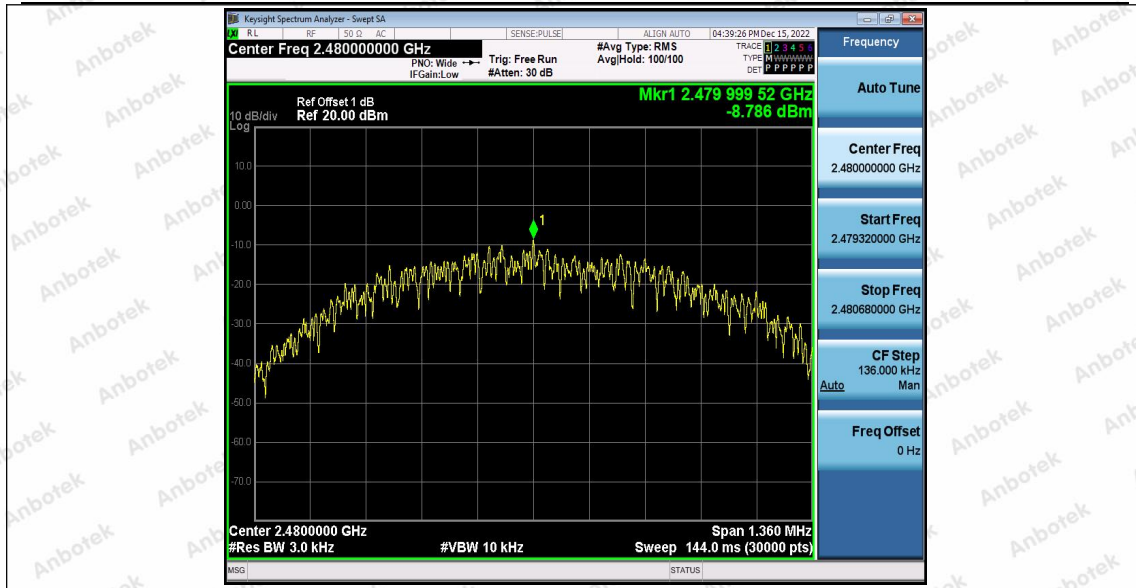
BLE\_1M\_Ant1\_2480

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## Appendix E: Band edge measurements

### Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.28	-55.63	≤-18.72	PASS
		High	2480	4.75	-57.55	≤-15.25	PASS

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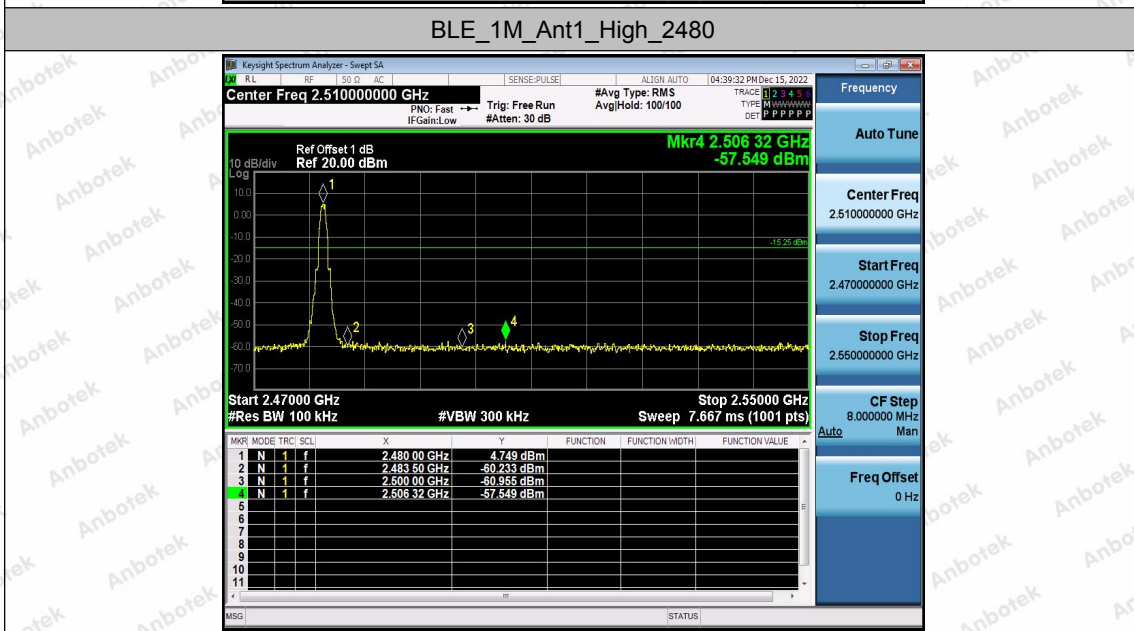
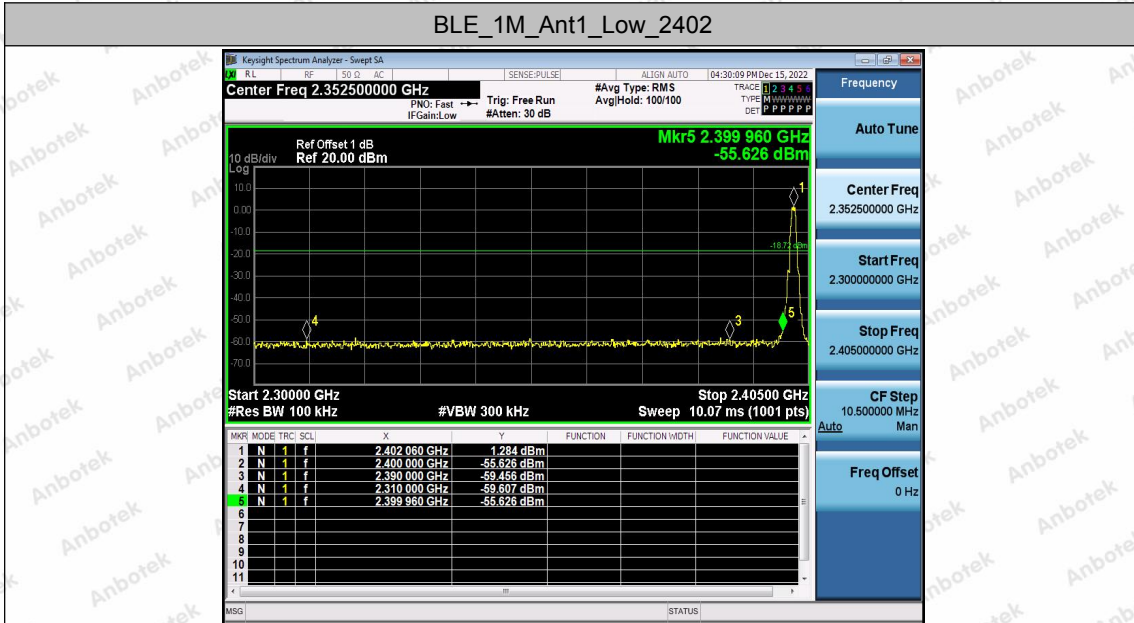
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## Test Graphs



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## 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	0.70	0.70	---	PASS
			30~1000	0.70	-69.16	≤-19.3	PASS
			1000~26500	0.70	-53.06	≤-19.3	PASS
		2440	Reference	1.81	1.81	---	PASS
			30~1000	1.81	-68.53	≤-18.19	PASS
			1000~26500	1.81	-53.53	≤-18.19	PASS
		2480	Reference	4.40	4.40	---	PASS
			30~1000	4.40	-69.3	≤-15.6	PASS
			1000~26500	4.40	-52.46	≤-15.6	PASS



## Test Graphs



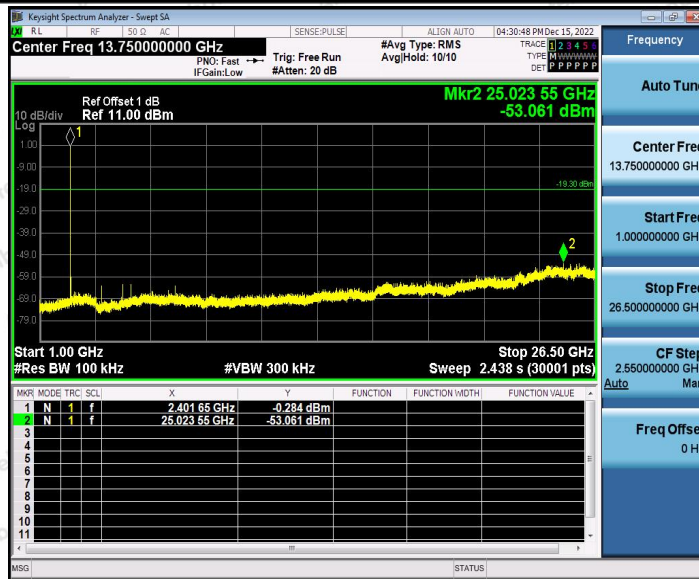
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BLE\_1M\_Ant1\_2440\_0~Reference



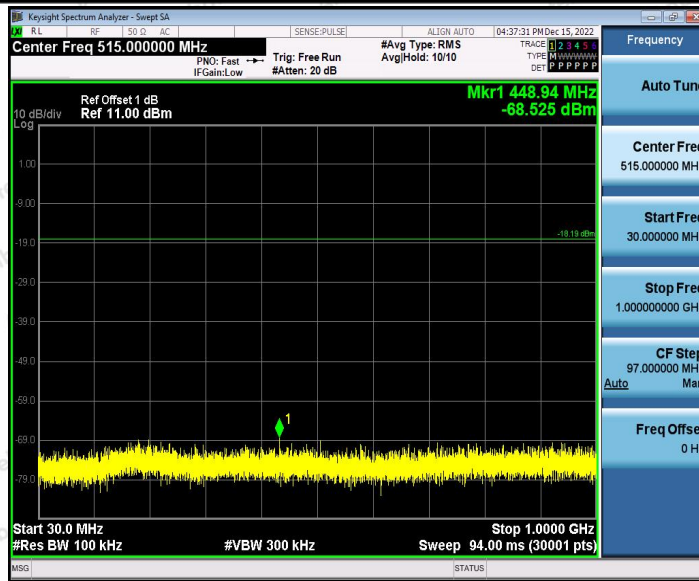
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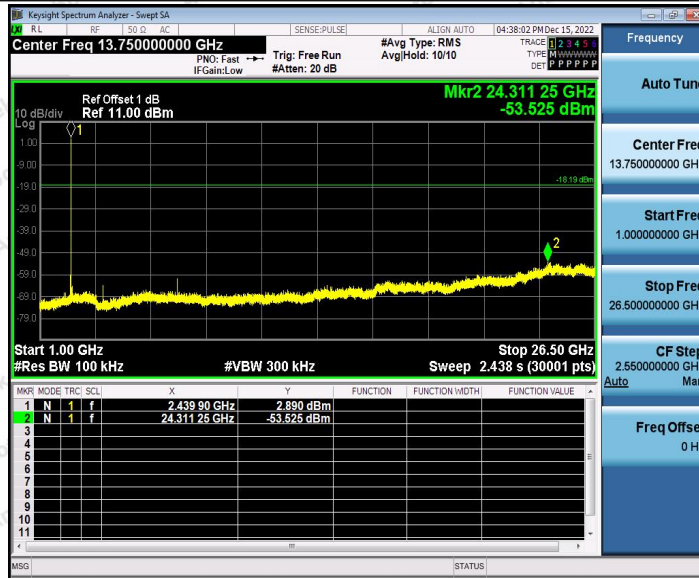
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BLE\_1M\_Ant1\_2440\_1000~26500



BLE\_1M\_Ant1\_2480\_0~Reference

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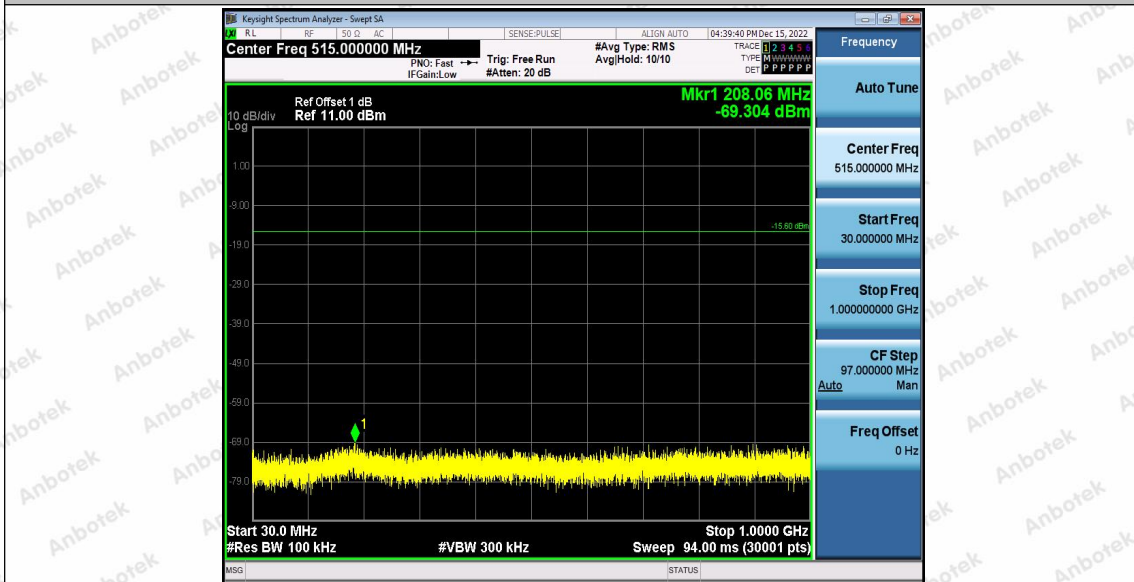
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BLE\_1M\_Ant1\_2480\_30~1000



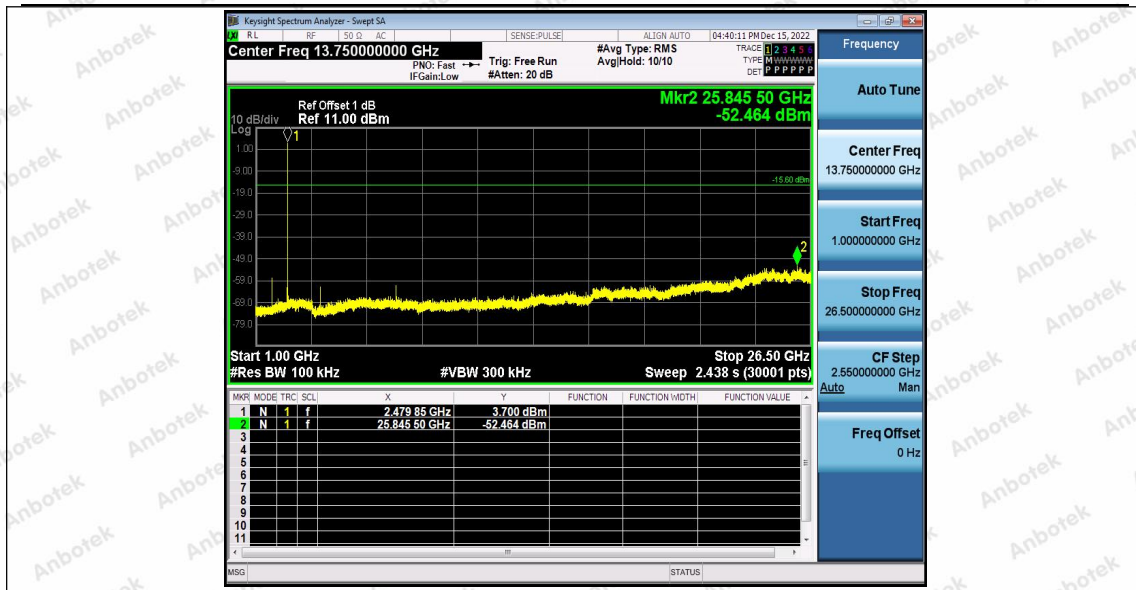
BLE\_1M\_Ant1\_2480\_1000~26500

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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	0.39	0.63	61.90	2.08
		2440	0.39	0.63	61.90	2.08
		2480	0.39	0.63	61.90	2.08

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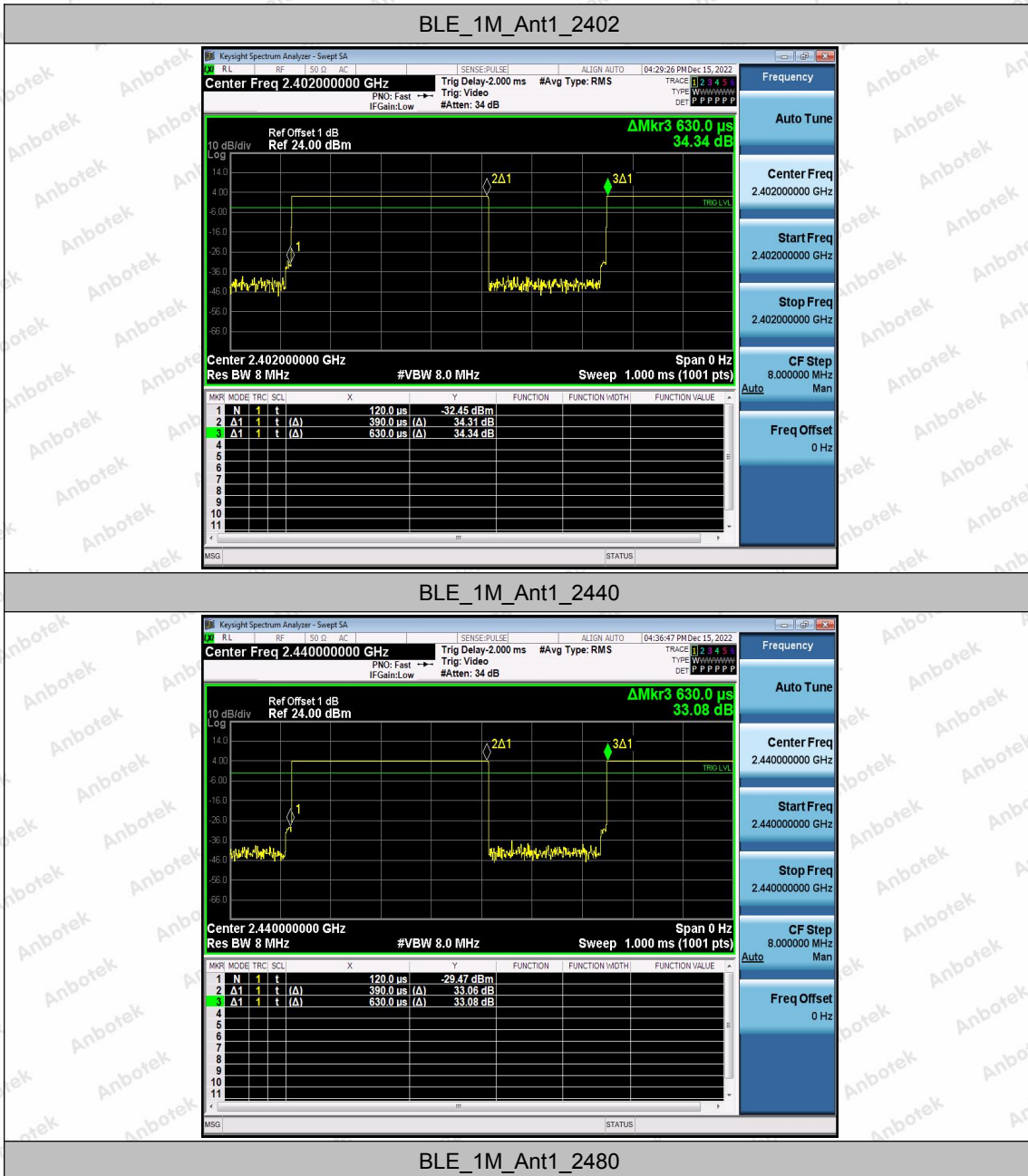
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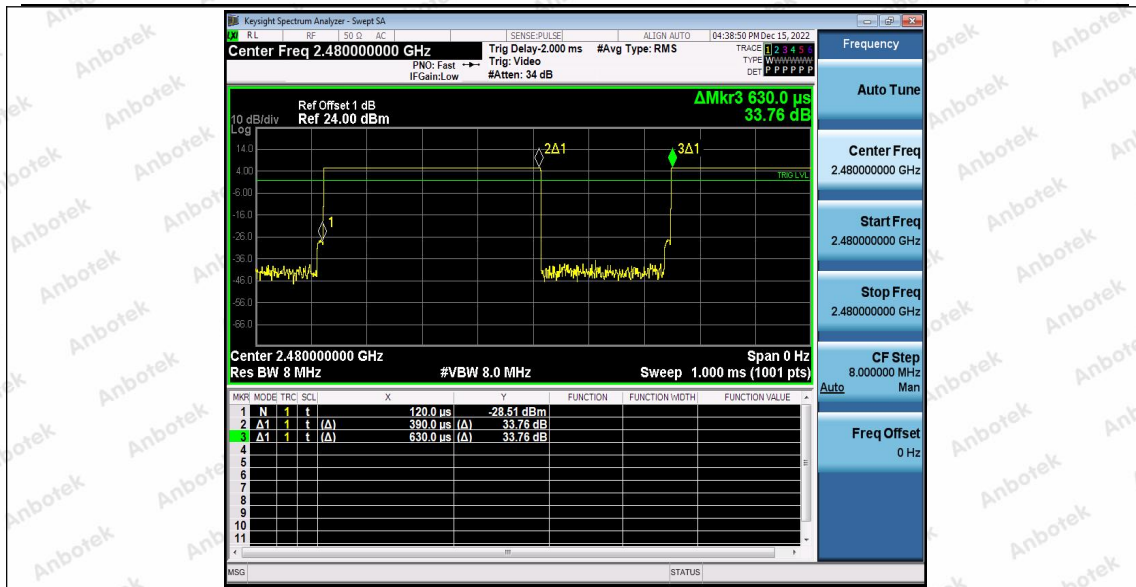


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