

## Appendix Test Data

Report No.:	18220WC20207001	Test Sample No.:	1-2-2
Start Test Date:	2022.9.5	Finish Test Date:	2022.9.9
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	27.3°C	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	0.676	2401.668	2402.344	0.5	PASS
		2440	0.696	2439.648	2440.344	0.5	PASS
		2480	0.684	2479.648	2480.332	0.5	PASS

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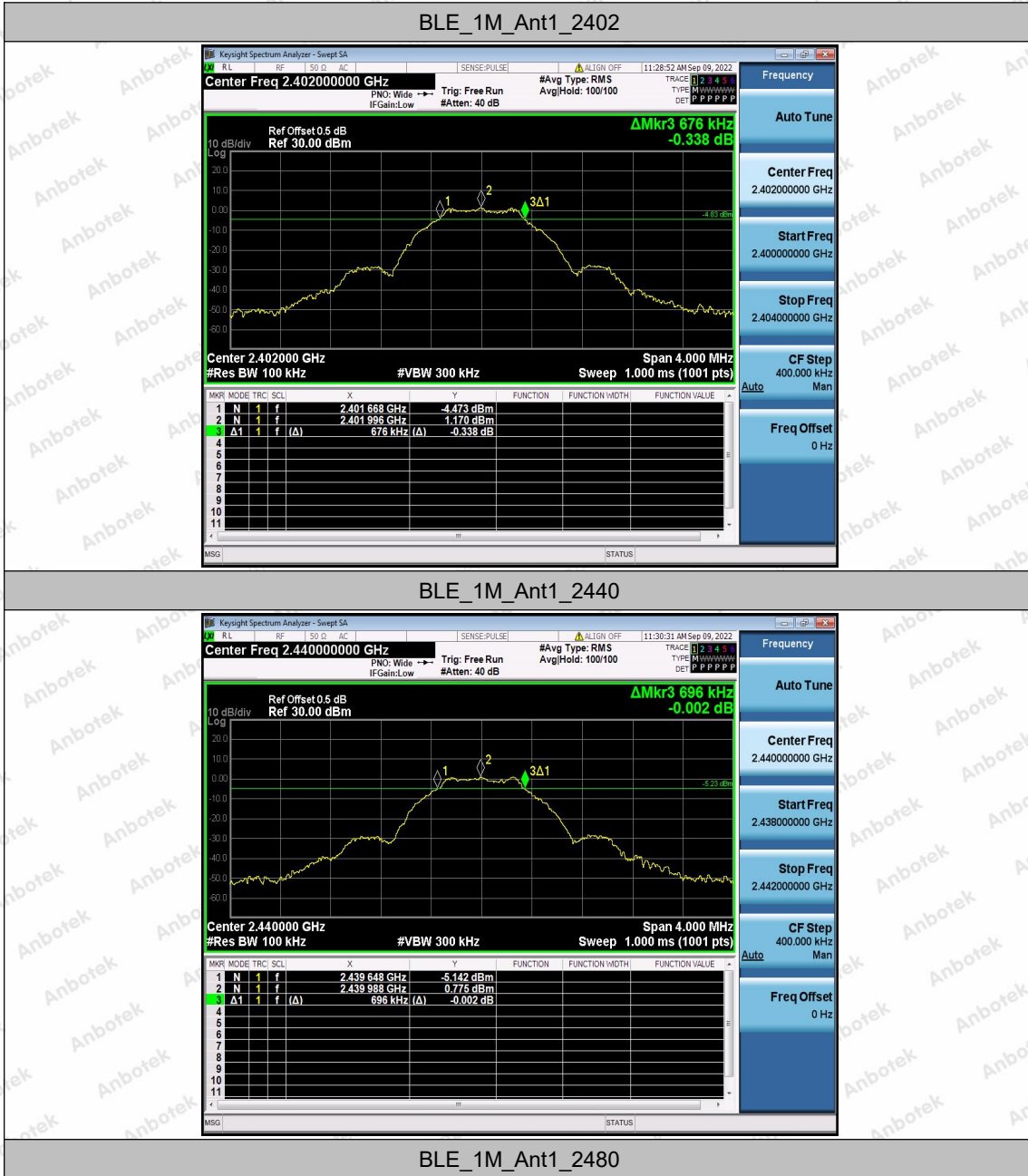
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## Test Graphs

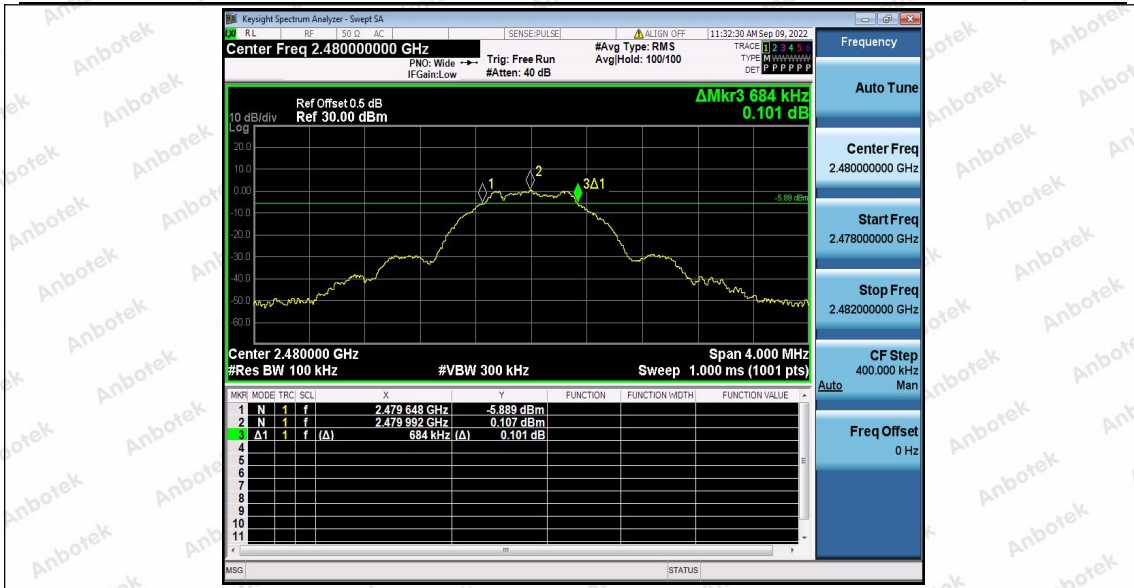


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## Appendix B: Occupied Channel Bandwidth

### Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0357	2401.4911	2402.5268
		2440	1.0316	2439.4913	2440.5229
		2480	1.0294	2479.4951	2480.5245

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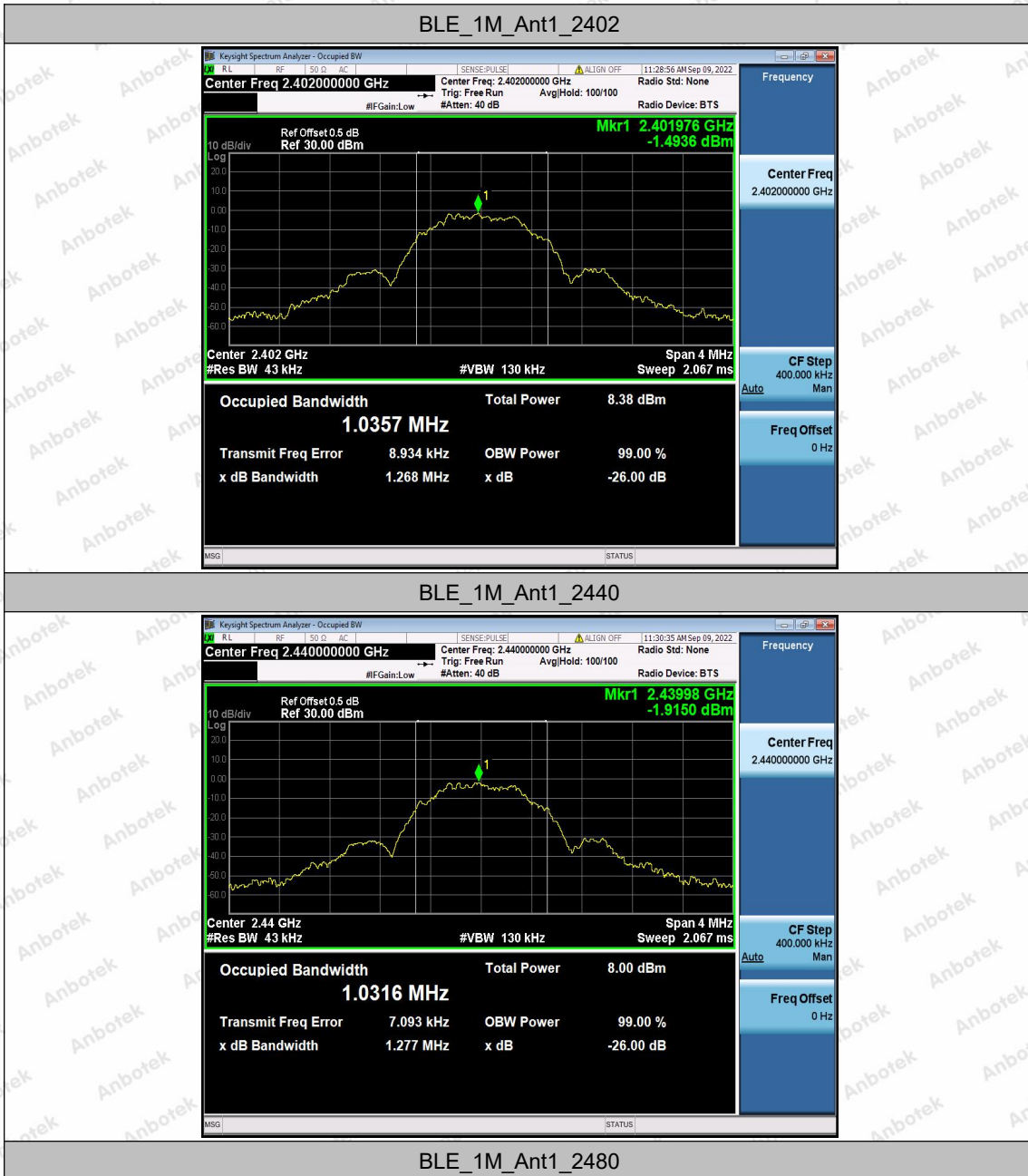
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## Test Graphs



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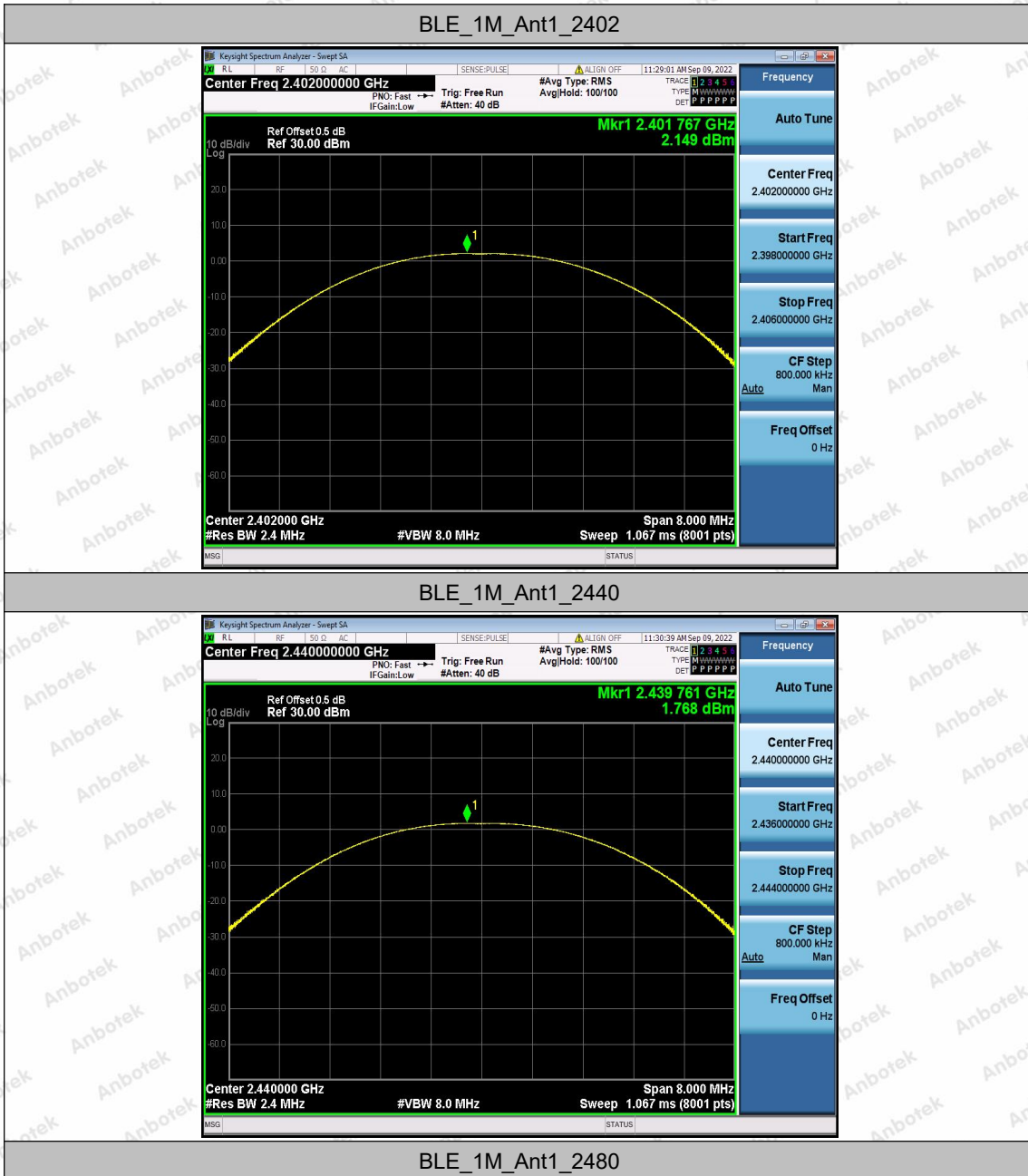
## Appendix C: Maximum conducted output power

### Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.15	≤30	PASS
		2440	1.77	≤30	PASS
		2480	1.05	≤30	PASS



## Test Graphs Peak



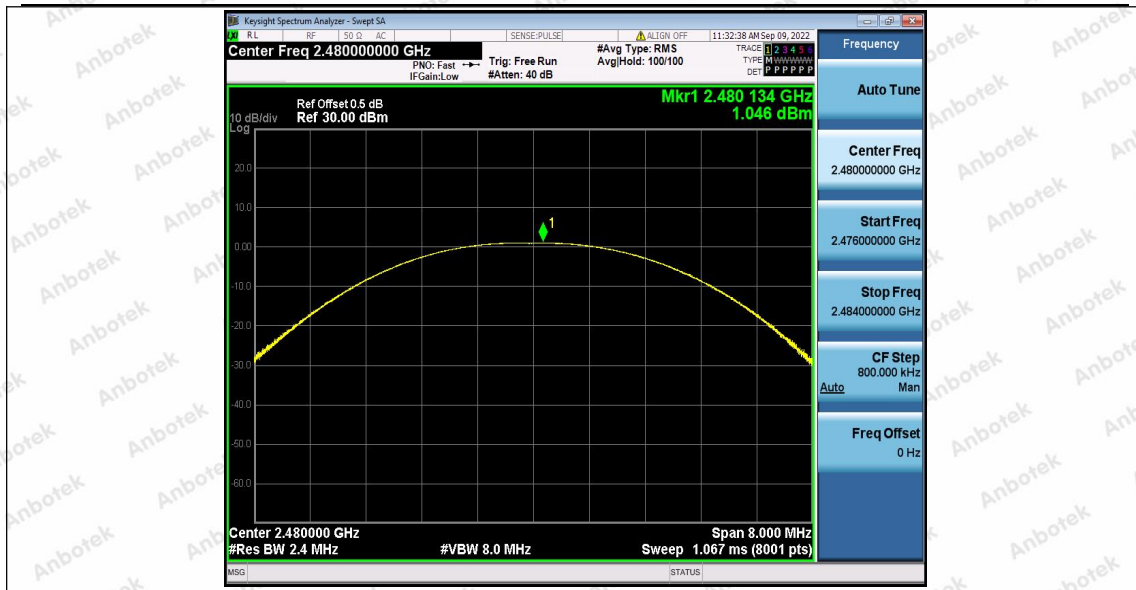
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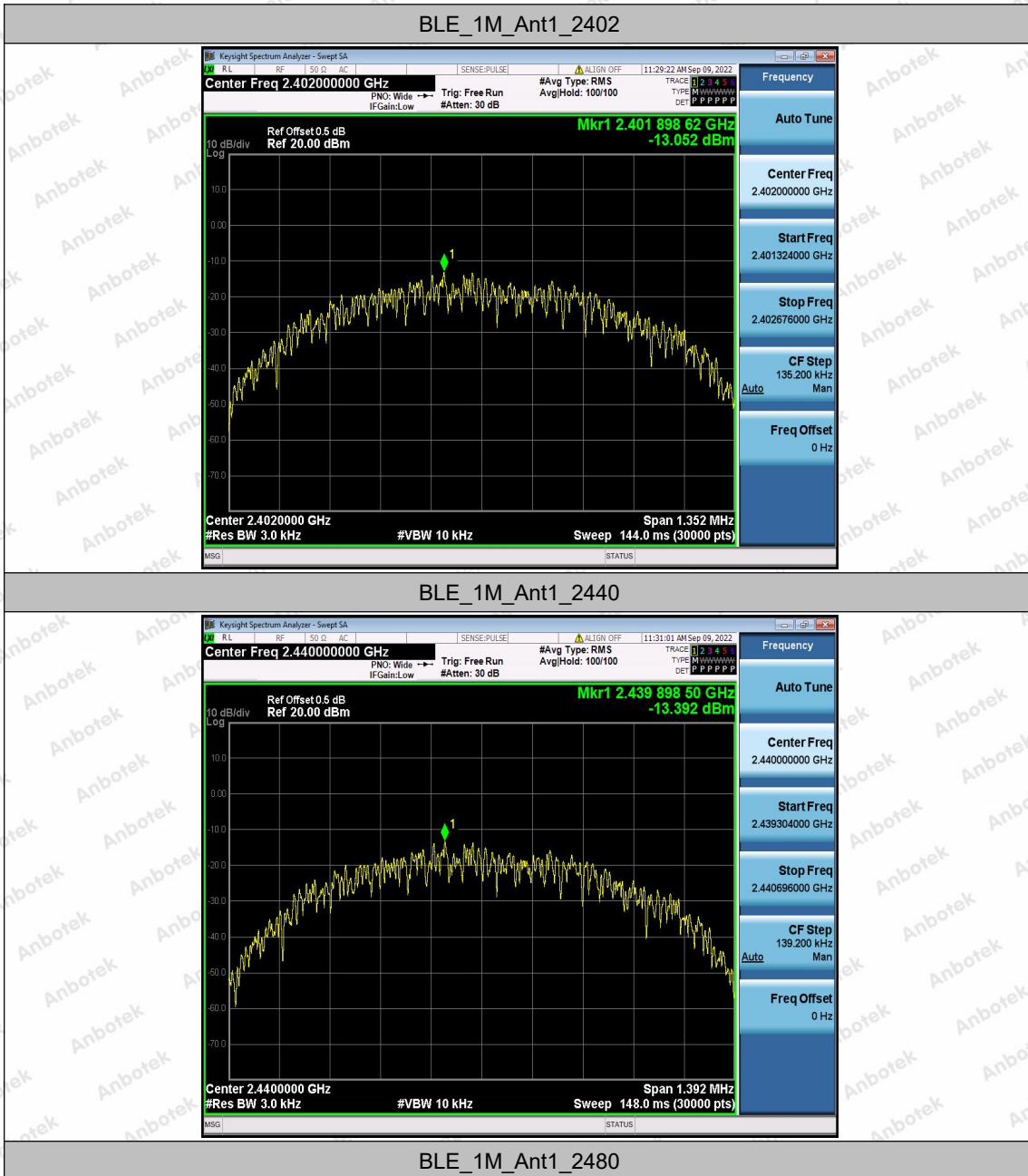
## Appendix D: Maximum power spectral density

### Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.05	≤8.00	PASS
		2440	-13.39	≤8.00	PASS
		2480	-14.11	≤8.00	PASS



## Test Graphs

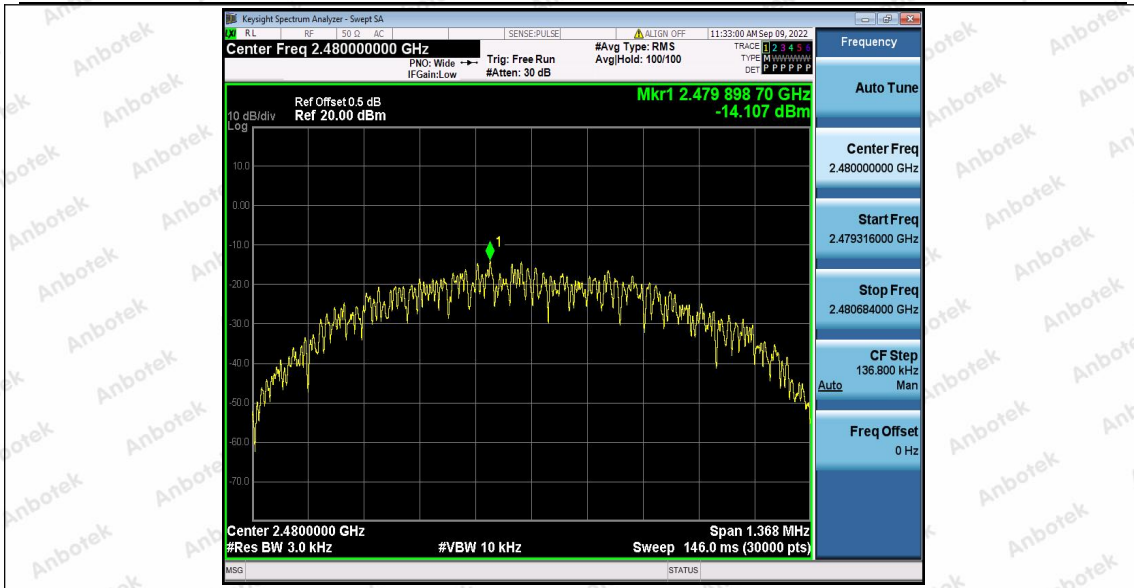


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## Appendix E: Band edge measurements

### Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.03	-57.44	≤-18.97	PASS
		High	2480	0.14	-58.1	≤-19.86	PASS

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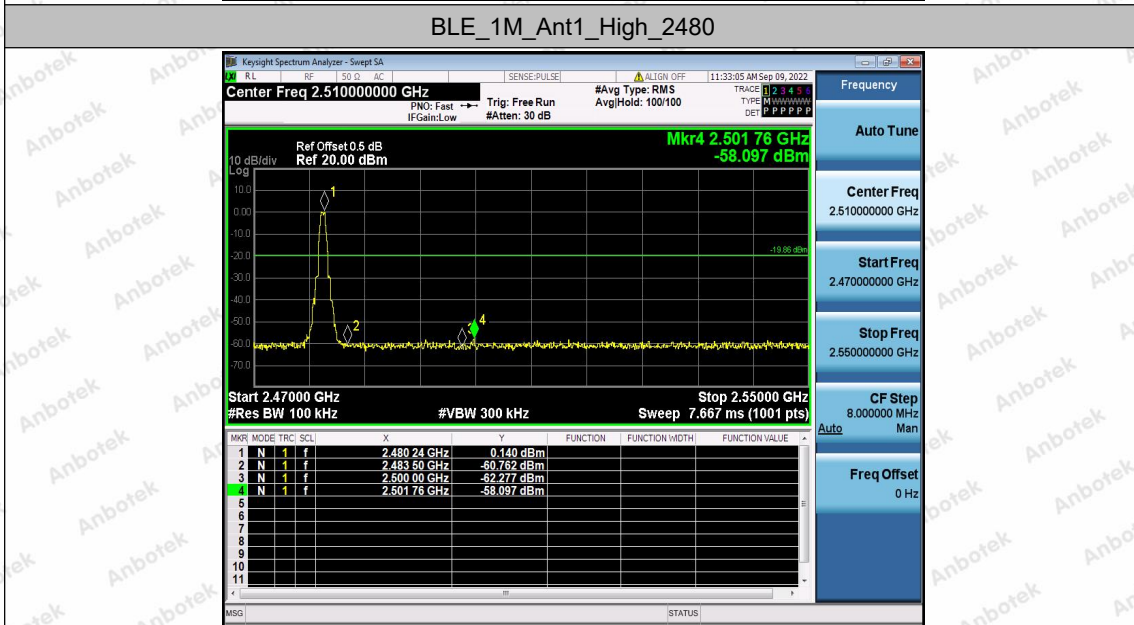
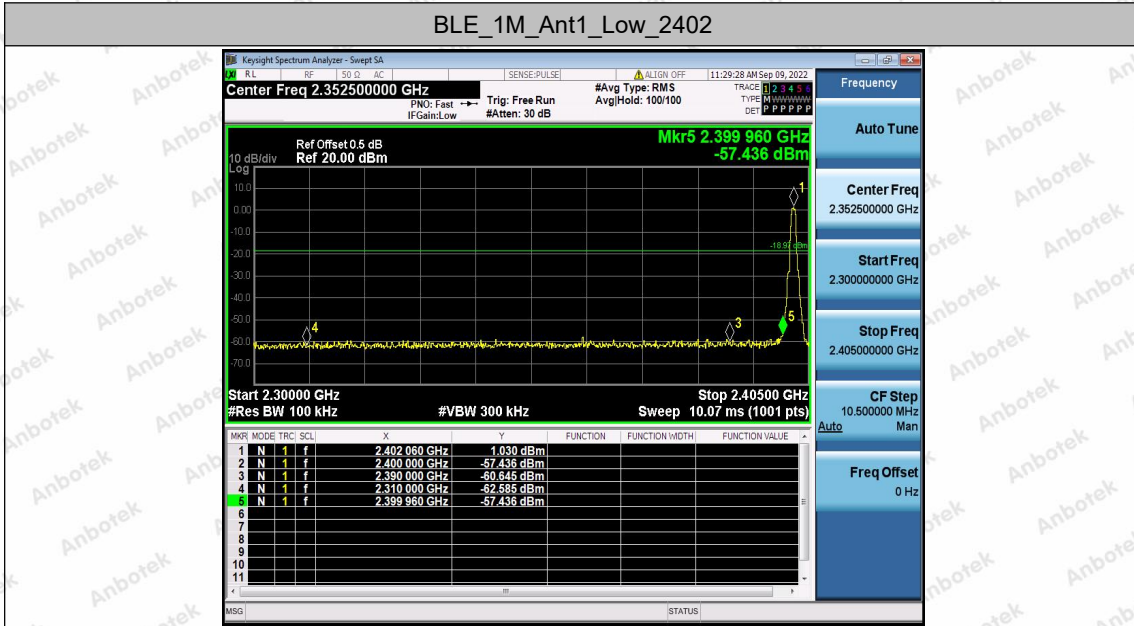
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## Test Graphs



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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	-0.46	-0.46	---	PASS
			30~1000	-0.46	-70.03	≤-30.46	PASS
			1000~26500	-0.46	-53.76	≤-30.46	PASS
		2440	Reference	0.30	0.30	---	PASS
			30~1000	0.30	-70.23	≤-29.7	PASS
			1000~26500	0.30	-53.88	≤-29.7	PASS
		2480	Reference	-0.09	-0.09	---	PASS
			30~1000	-0.09	-69.94	≤-30.09	PASS
			1000~26500	-0.09	-54.29	≤-30.09	PASS

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## Test Graphs



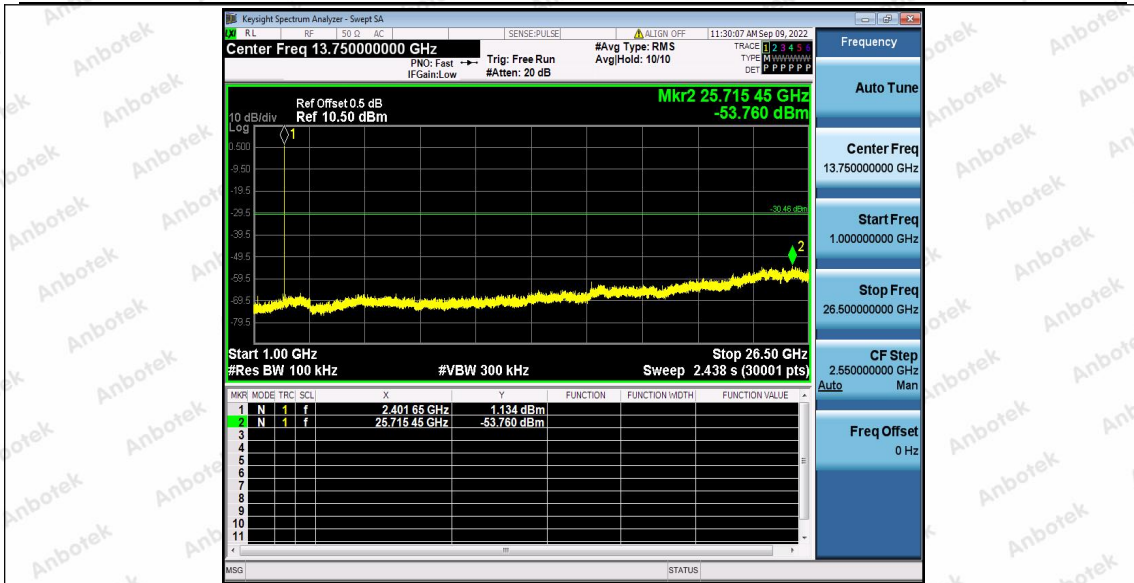
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BLE\_1M\_Ant1\_2440\_0~Reference



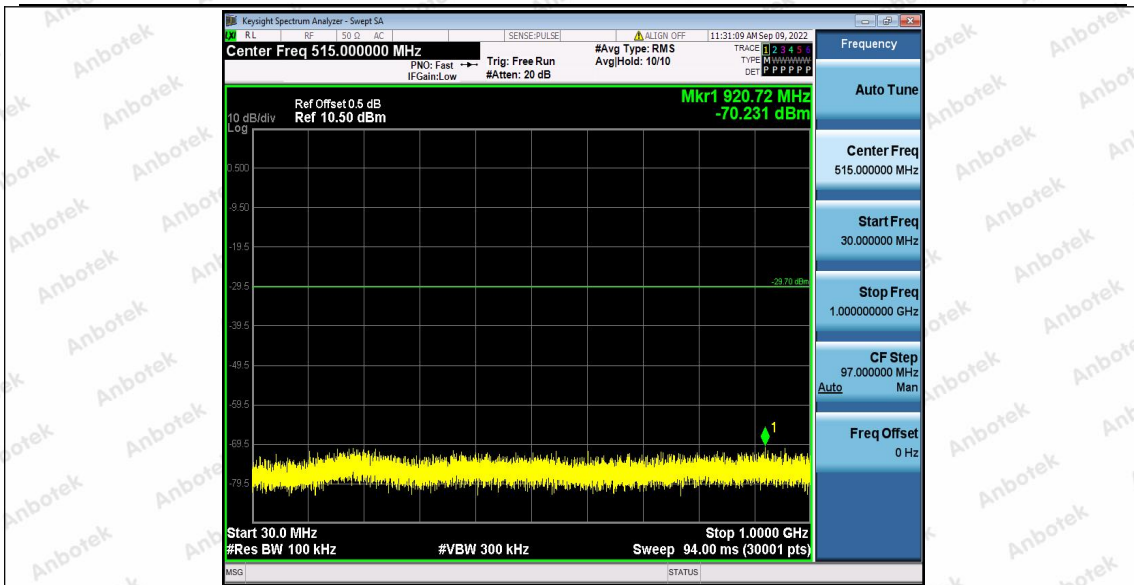
BLE\_1M\_Ant1\_2440\_30~1000

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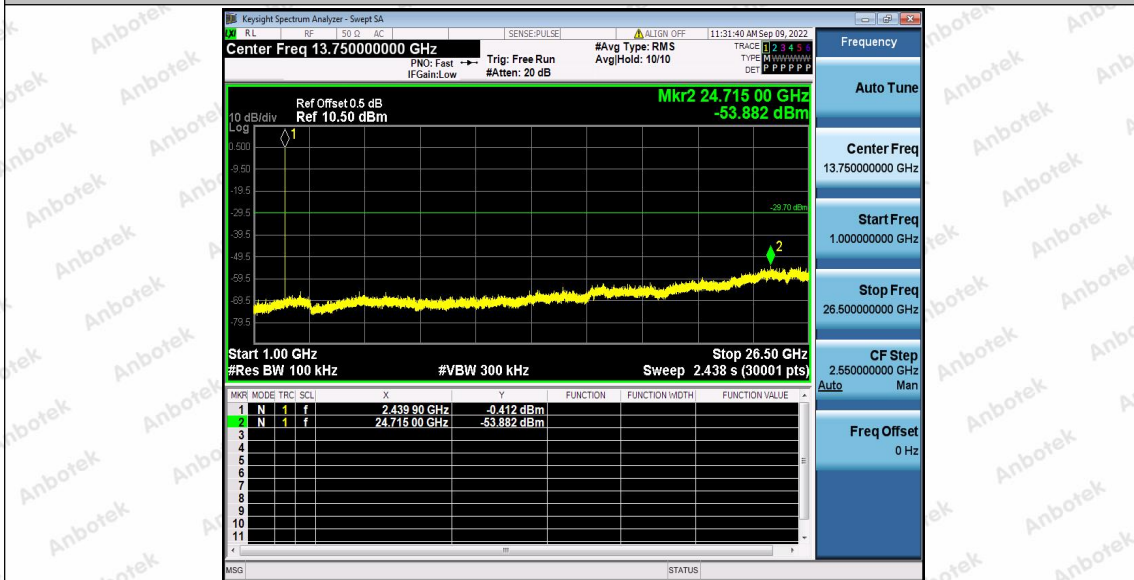
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BLE\_1M\_Ant1\_2440\_1000~26500



BLE\_1M\_Ant1\_2480\_0~Reference

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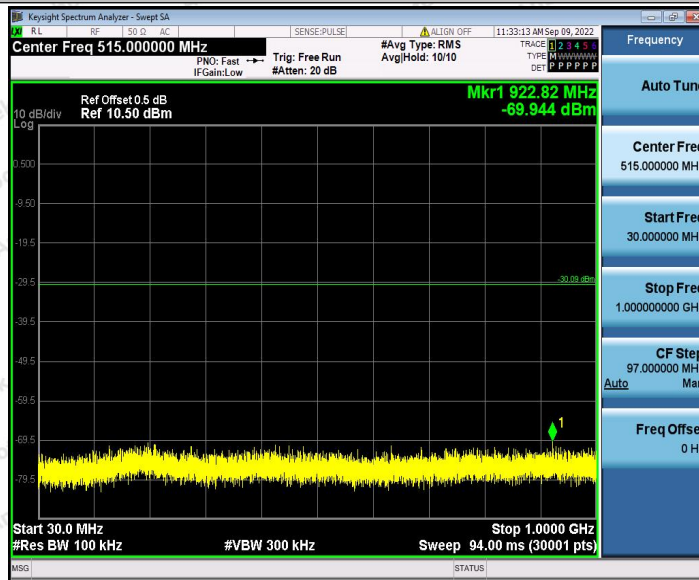
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BLE\_1M\_Ant1\_2480\_30~1000



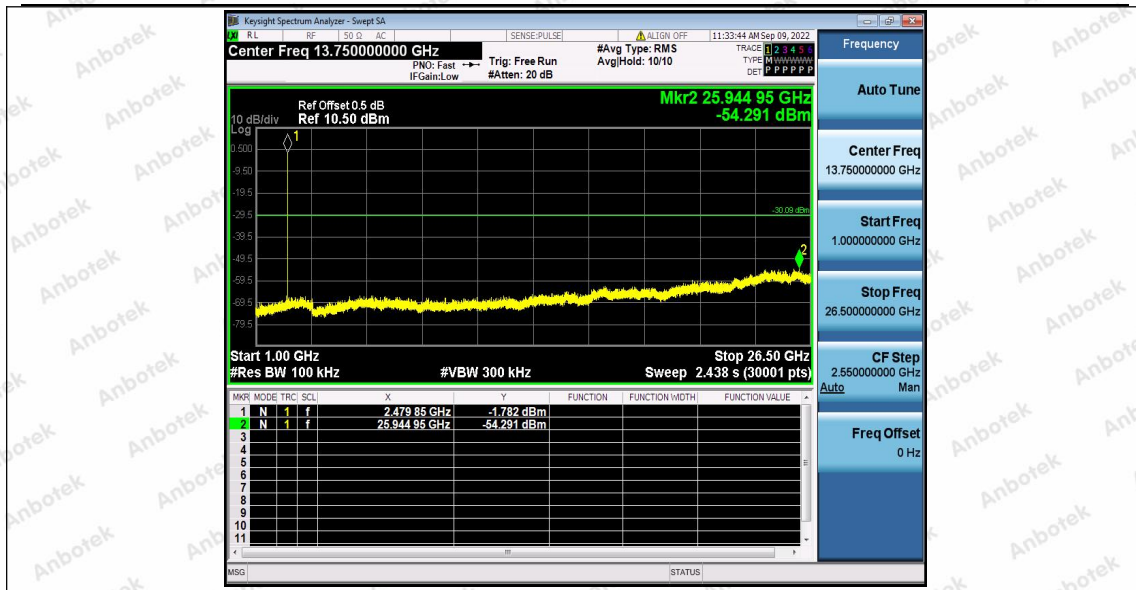
BLE\_1M\_Ant1\_2480\_1000~26500

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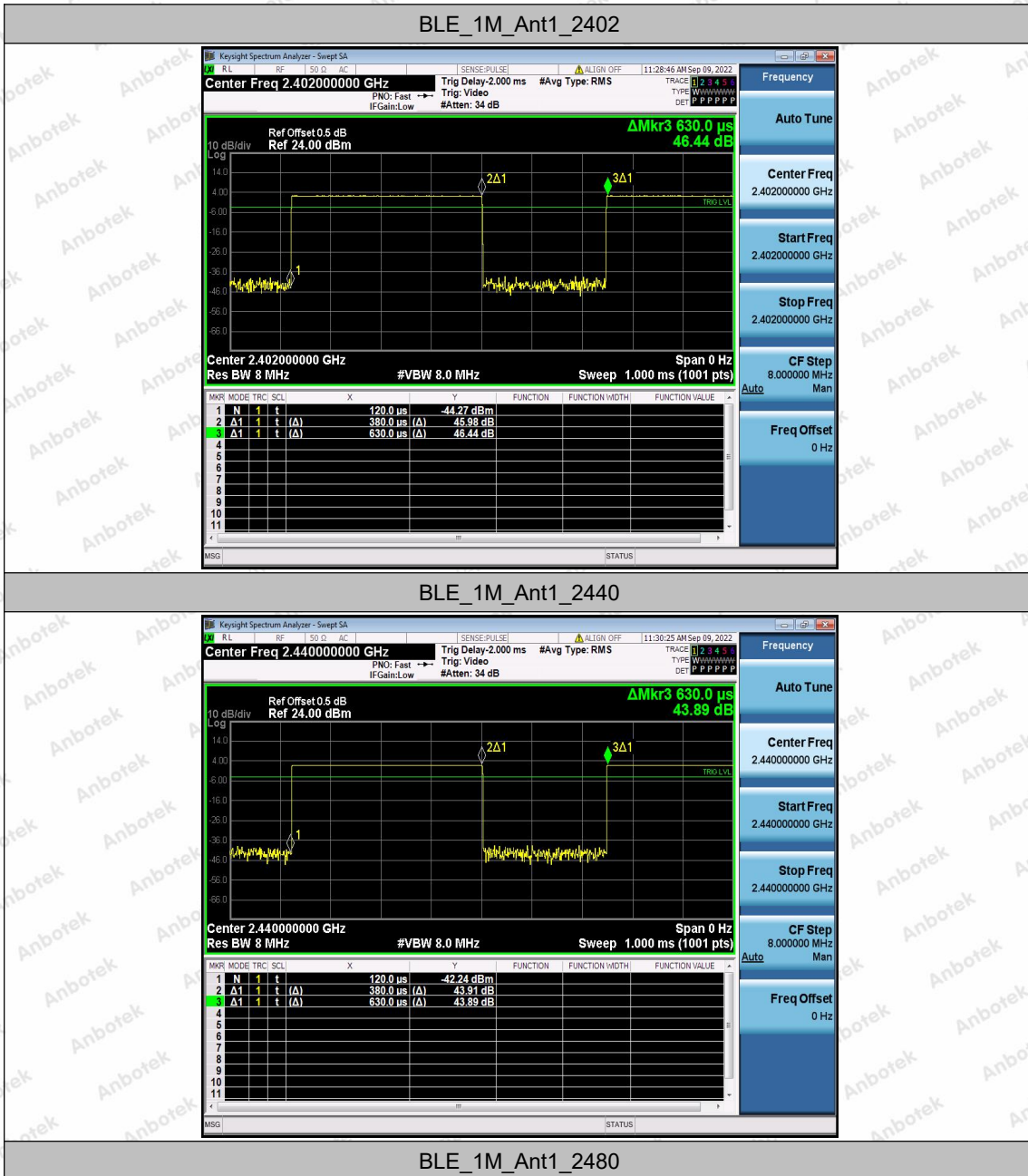
## Appendix G: Duty Cycle

### 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	0.38	0.63	60.32	2.20
		2480	0.38	0.63	60.32	2.20



## Test Graphs

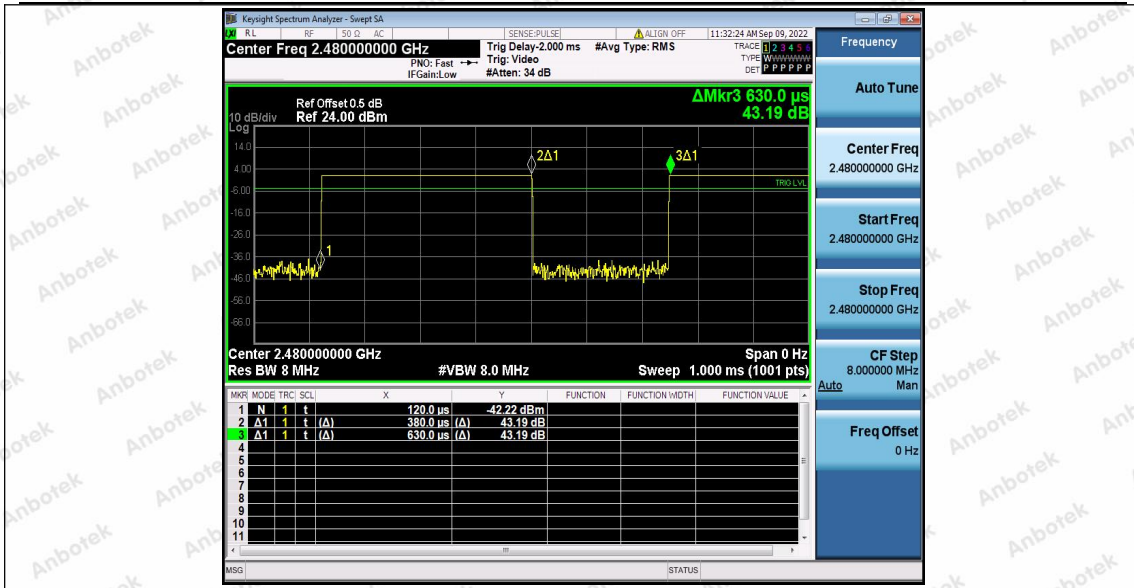


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