

## Appendix Test Data

Report No.:	18220WC10141402	Test Date:	2021.8.31
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	Relative Humidity:	57 %
Pressure:	1012 hPa		

## Appendix A: DTS Bandwidth

## Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.684	2401.648	2402.332	≥0.5	PASS
		2440	0.672	2439.664	2440.336	≥0.5	PASS
		2480	0.704	2479.644	2480.348	≥0.5	PASS

## Test Graphs





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## Appendix B: Occupied Channel Bandwidth

### Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0266	2401.490	2402.517	---	PASS
		2440	1.0278	2439.494	2440.522	---	PASS
		2480	1.0274	2479.494	2480.521	---	PASS

## Test Graphs





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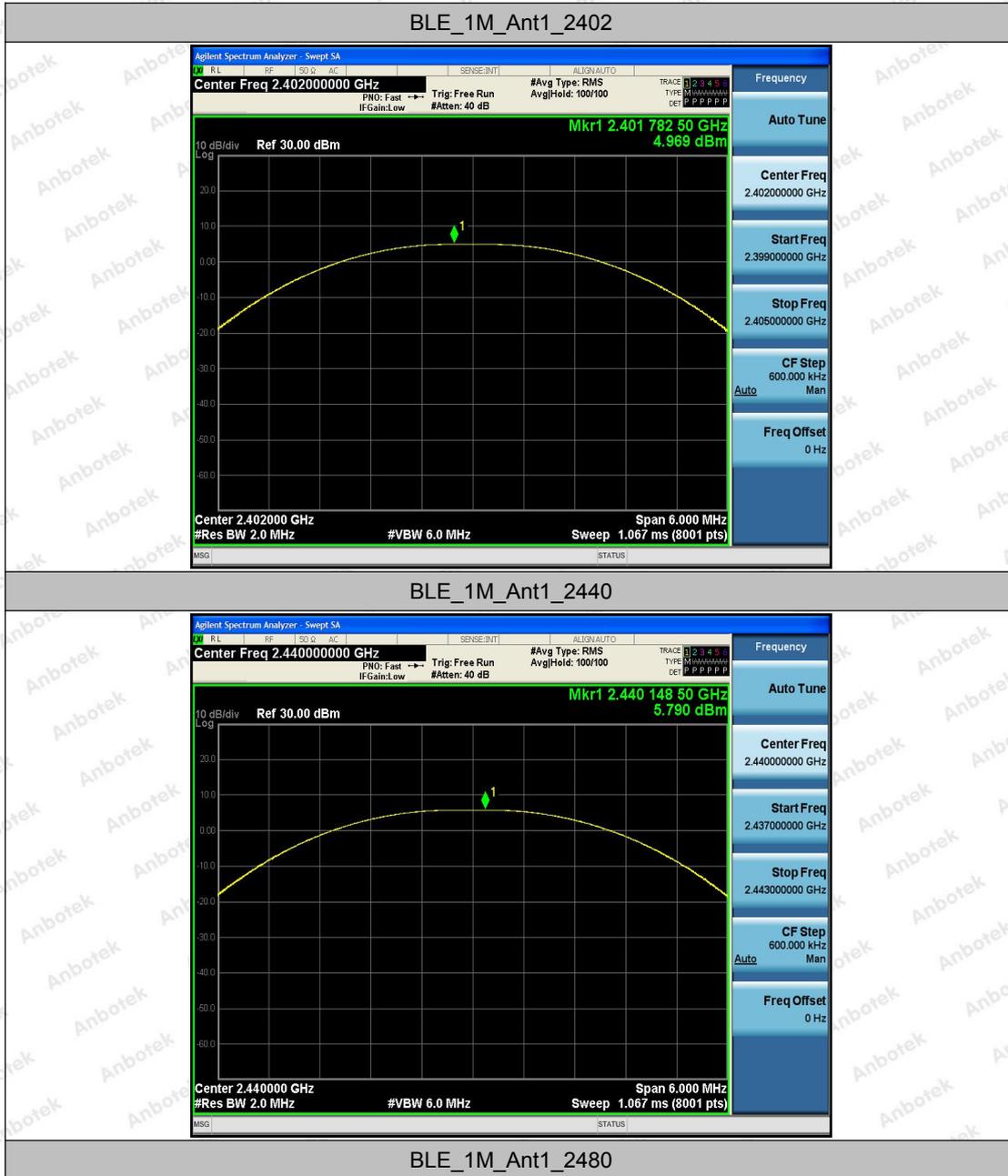
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## Appendix C: Maximum conducted output power

### Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	4.97	≤30	PASS
		2440	5.79	≤30	PASS
		2480	6.75	≤30	PASS

## Test Graphs



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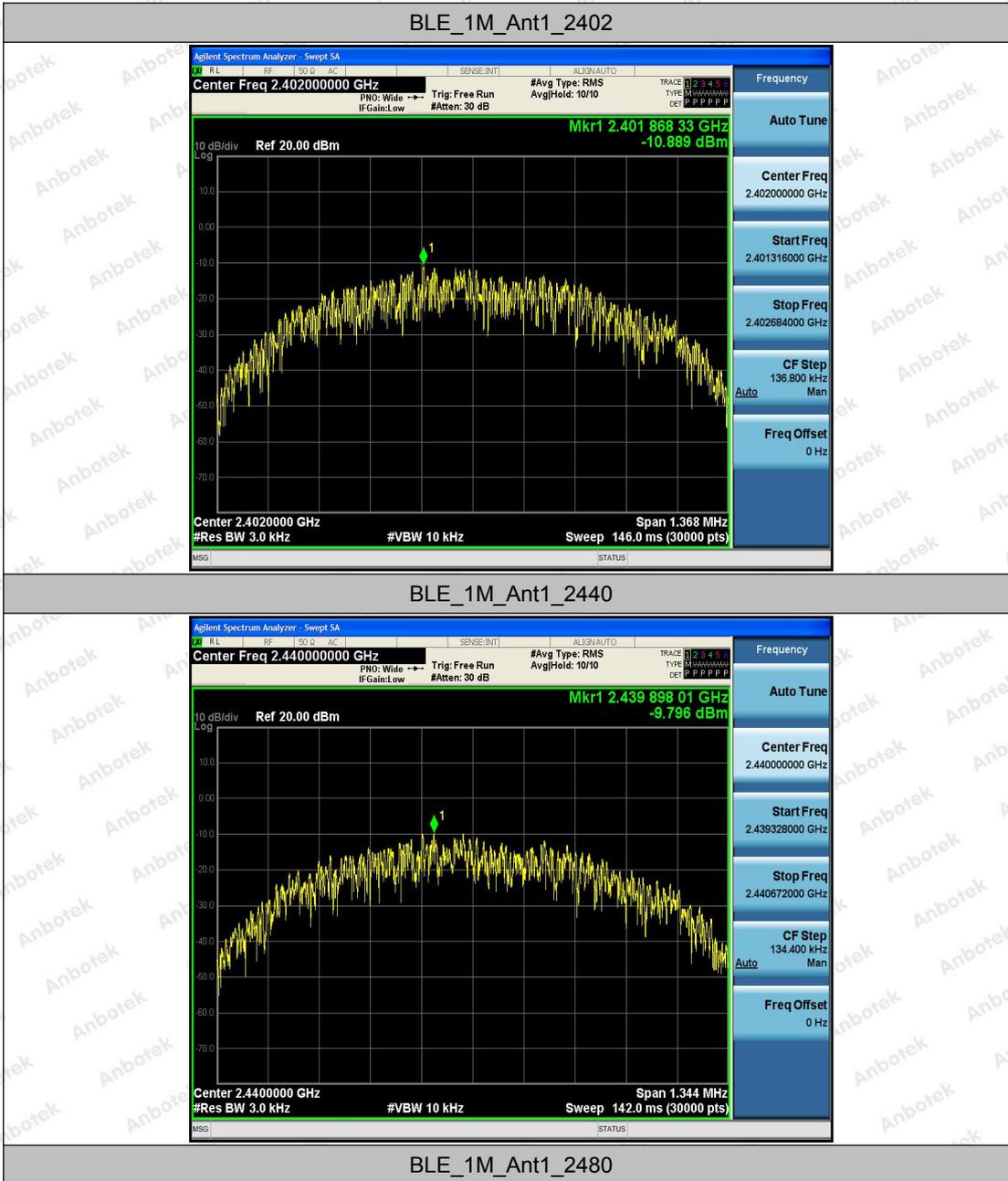
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## Appendix D: Maximum power spectral density

### Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-10.89	≤8	PASS
		2440	-9.8	≤8	PASS
		2480	-8.43	≤8	PASS

## Test Graphs



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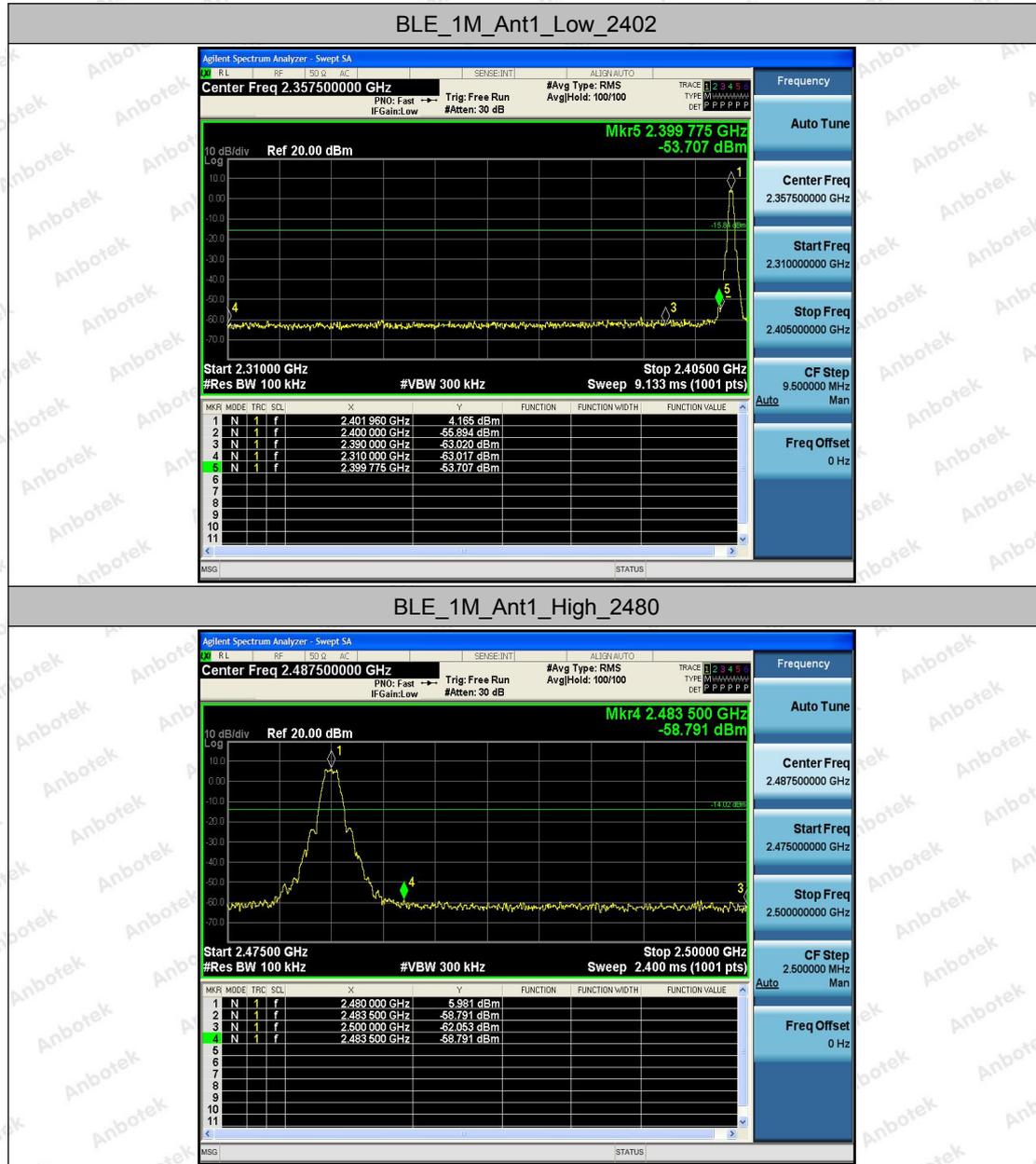
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## Appendix E: Band edge measurements

### Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	4.17	-53.71	≤-15.84	PASS
		High	2480	5.98	-58.79	≤-14.02	PASS

## Test Graphs



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## Appendix F: Conducted Spurious Emission

### Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	4.01	4.01	---	PASS
			30~1000	4.01	-70.24	≤-15.99	PASS
			1000~265 00	4.01	-55.5	≤-15.99	PASS
		2440	Reference	4.82	4.82	---	PASS
			30~1000	4.82	-69.68	≤-15.18	PASS
			1000~265 00	4.82	-55.08	≤-15.18	PASS
		2480	Reference	5.68	5.68	---	PASS
			30~1000	5.68	-70.29	≤-14.32	PASS
			1000~265 00	5.68	-54.89	≤-14.32	PASS

## Test Graphs

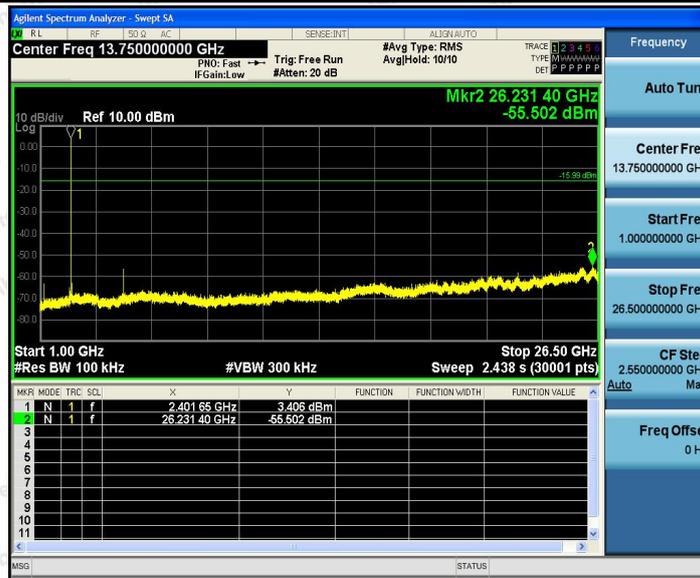


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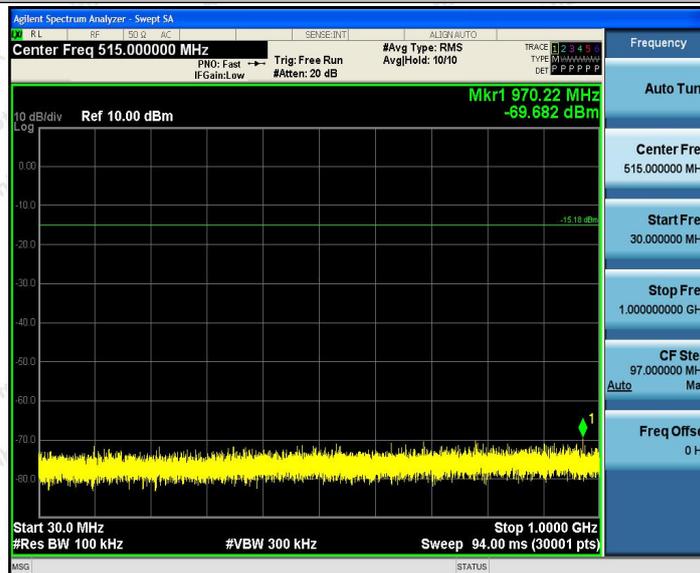
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BLE\_1M\_Ant1\_2440\_0~Reference



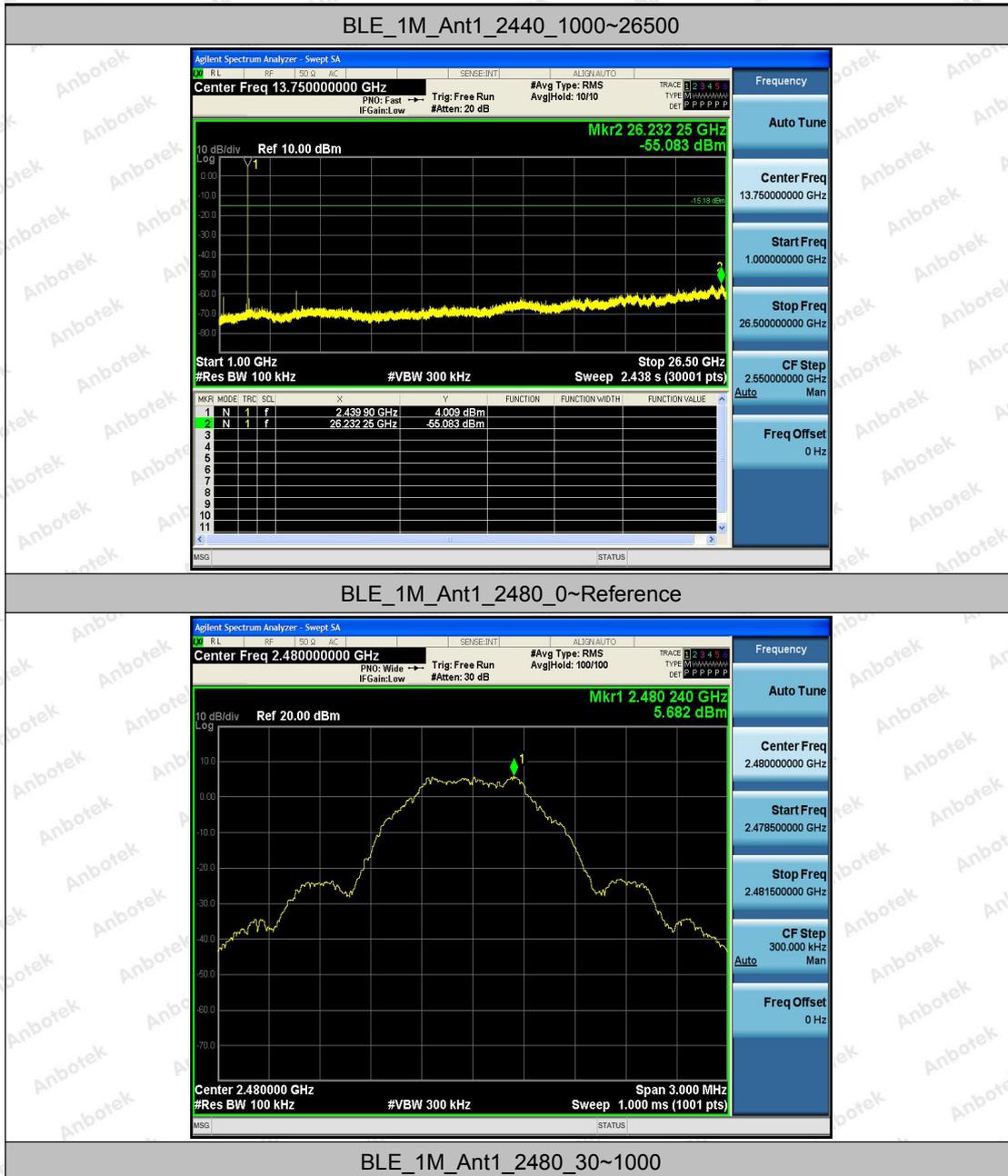
BLE\_1M\_Ant1\_2440\_30~1000



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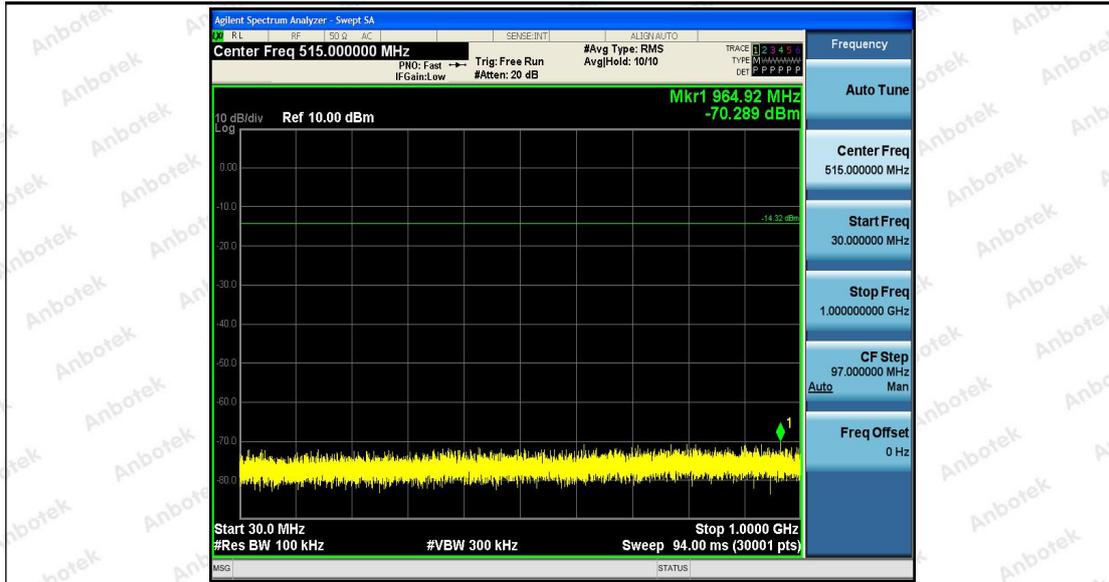


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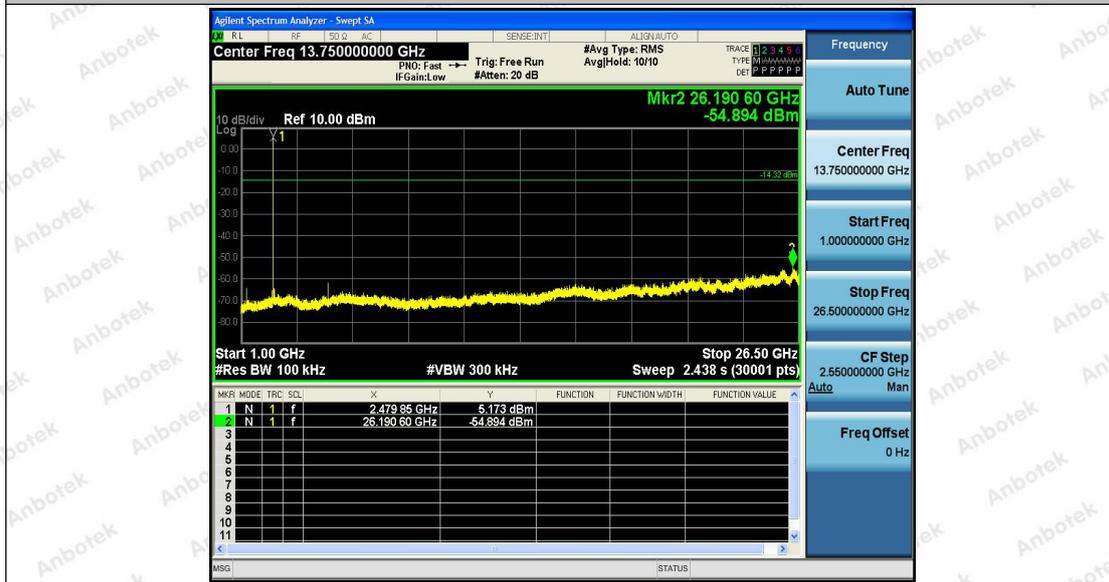
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BLE\_1M\_Ant1\_2480\_1000~26500



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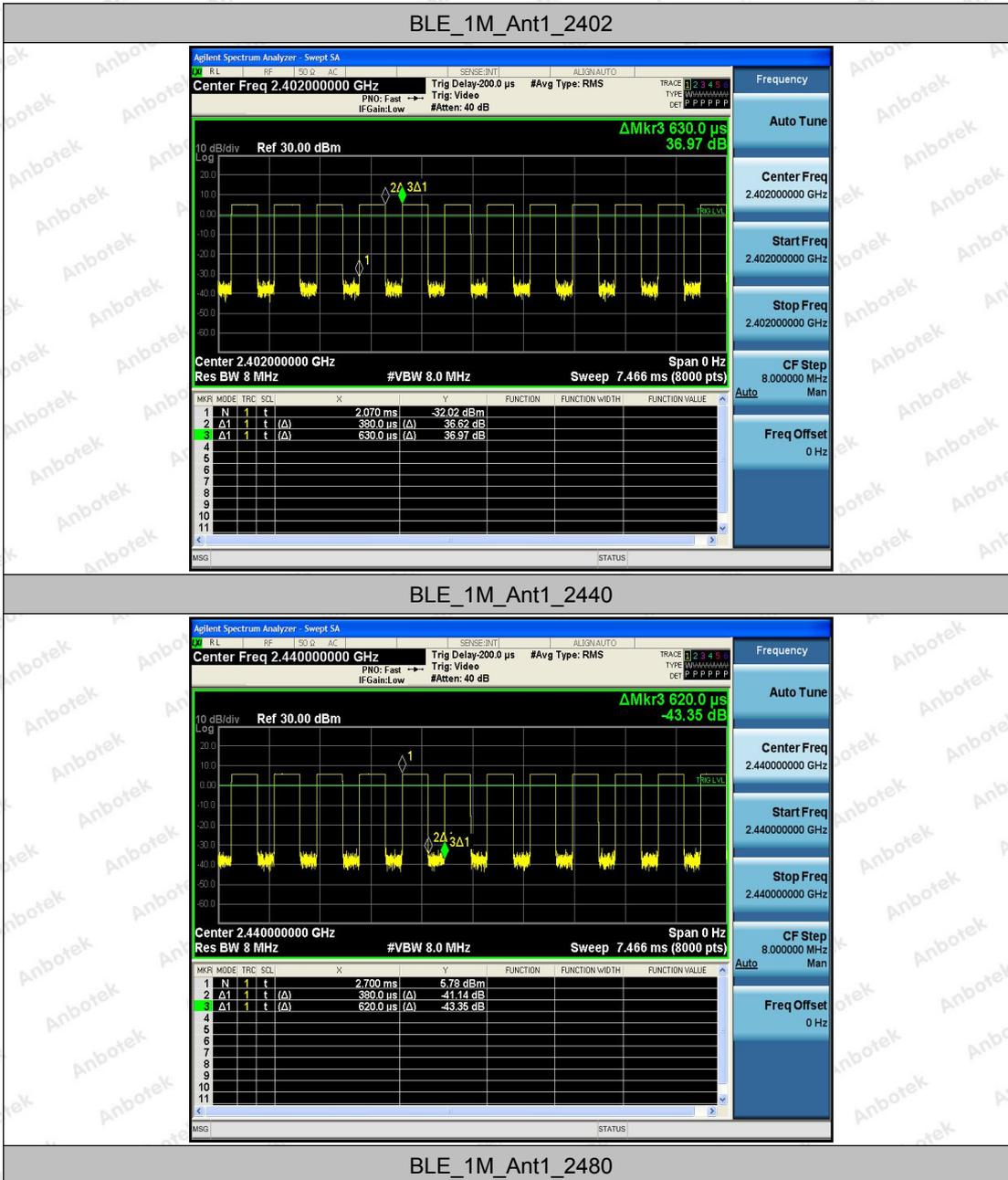
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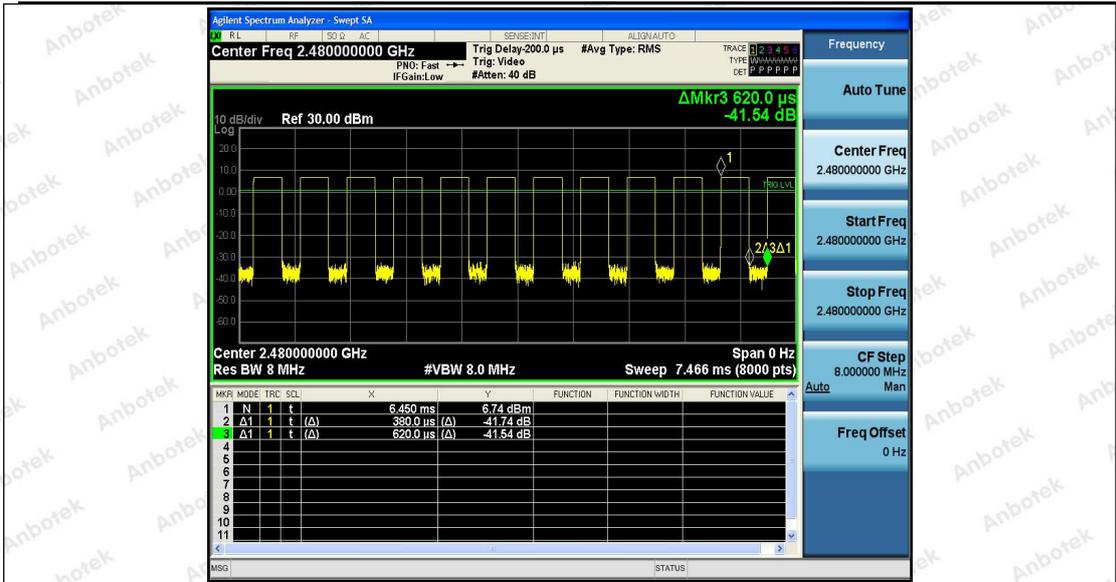
## Appendix G: Duty Cycle

### Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.38	0.63	0.603 2	60.32	2.20	---	PASS
		2440	0.38	0.62	0.612 9	61.29	2.13	---	PASS
		2480	0.38	0.62	0.612 9	61.29	2.13	---	PASS

## Test Graphs





---End---