

## Appendix Test Data

Report No.:	18220WC20168201	Test Sample No.:	1-2-2
Start Test Date:	2022.7.26	Finish Test Date:	2022.7.30
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	25.3°C	Relative Humidity:	56 %
Pressure:	1012 hPa		

## Appendix A: DTS Bandwidth

## Test Result

Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.660	2401.668	2402.328	≥0.5	PASS
		2440	0.728	2439.640	2440.368	≥0.5	PASS
		2480	0.684	2479.652	2480.336	≥0.5	PASS

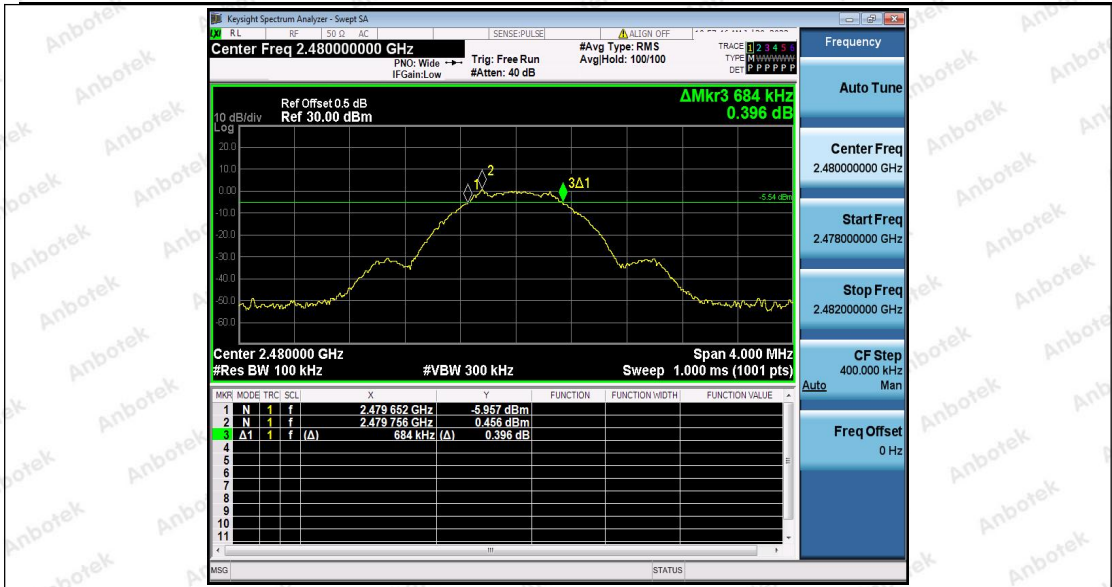
## Test Graphs



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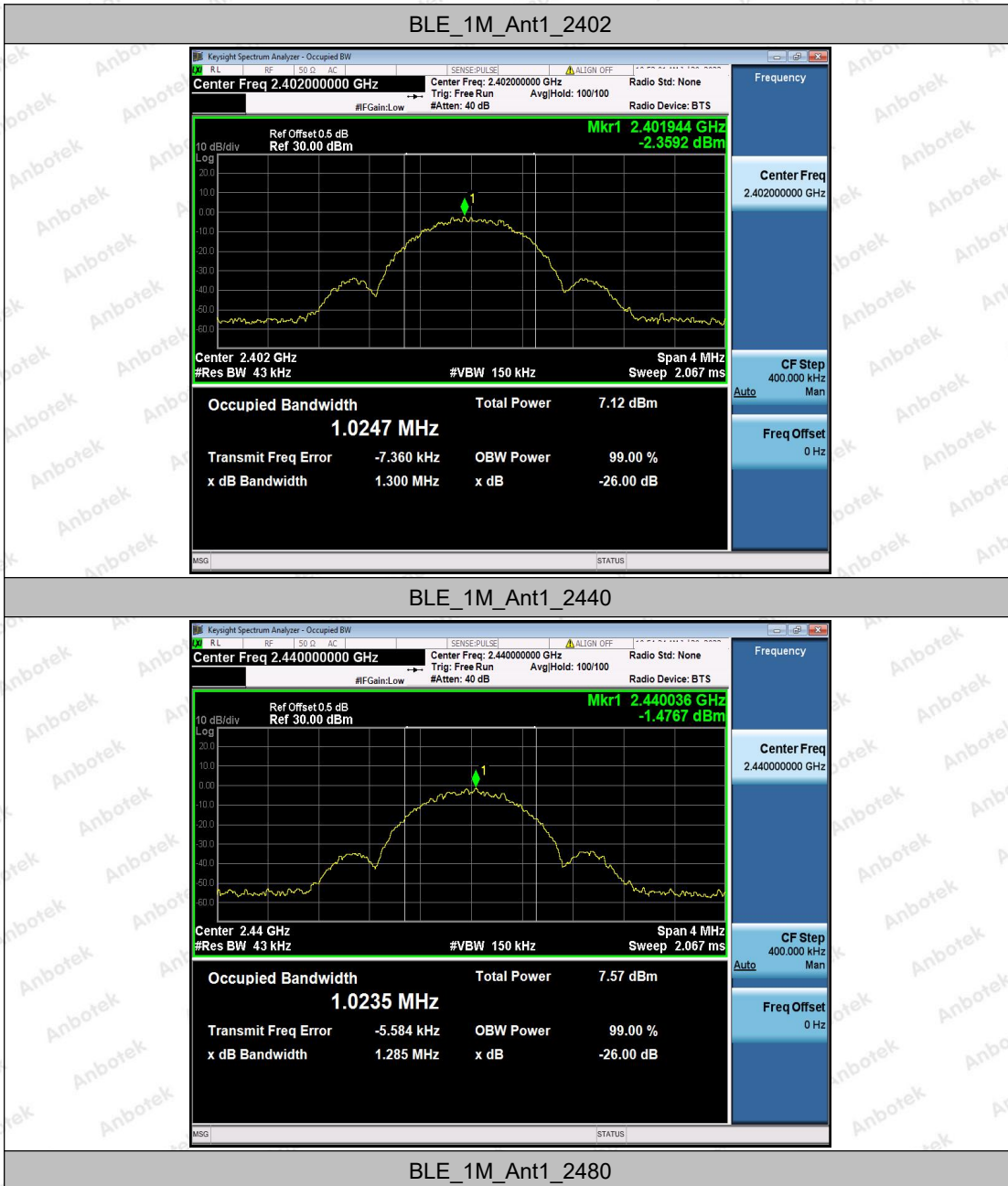


## Appendix B: Occupied Channel Bandwidth

### Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0247	2401.480	2402.505	---	PASS
		2440	1.0235	2439.483	2440.506	---	PASS
		2480	1.0279	2479.479	2480.507	---	PASS

## Test Graphs





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## Appendix C: Maximum conducted output power

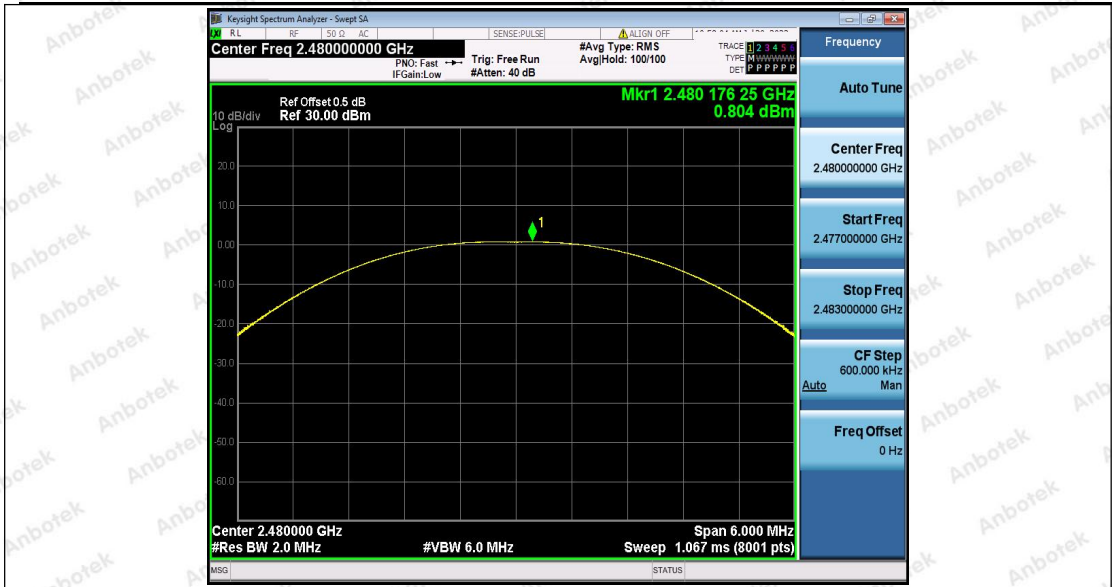
### Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.13	≤30	PASS
		2440	0.35	≤30	PASS
		2480	0.8	≤30	PASS

## Test Graphs







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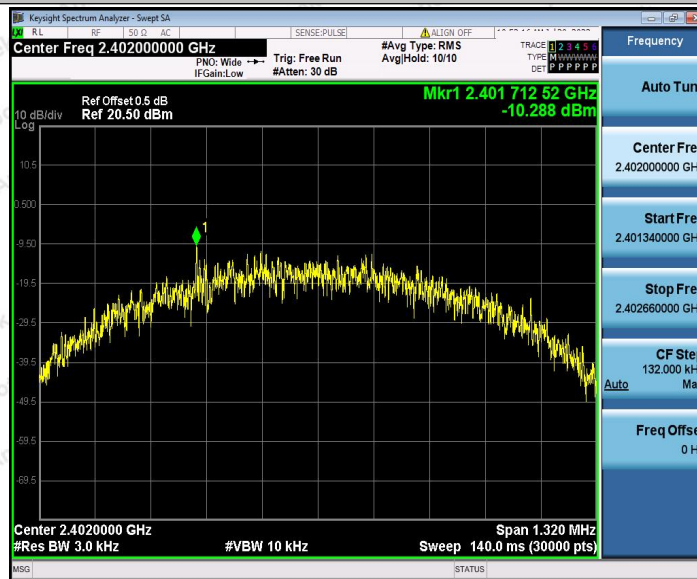
## Appendix D: Maximum power spectral density

### Test Result

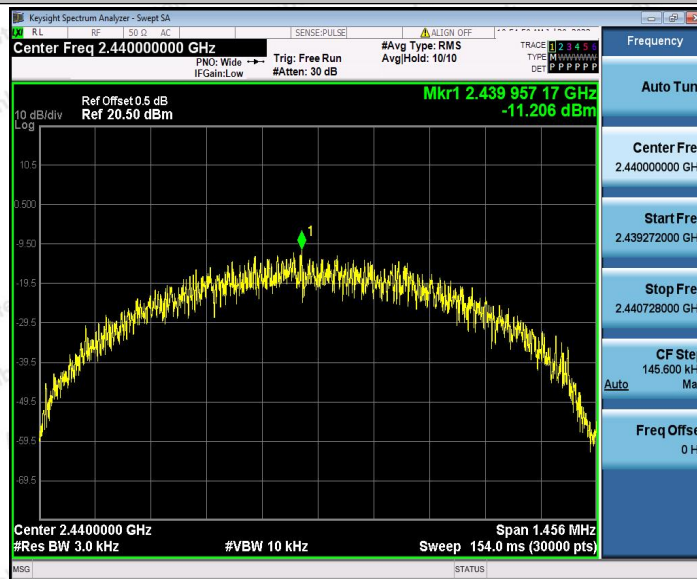
Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-10.29	≤8	PASS
		2440	-11.21	≤8	PASS
		2480	-10.04	≤8	PASS

## Test Graphs

BLE\_1M\_Ant1\_2402



BLE\_1M\_Ant1\_2440



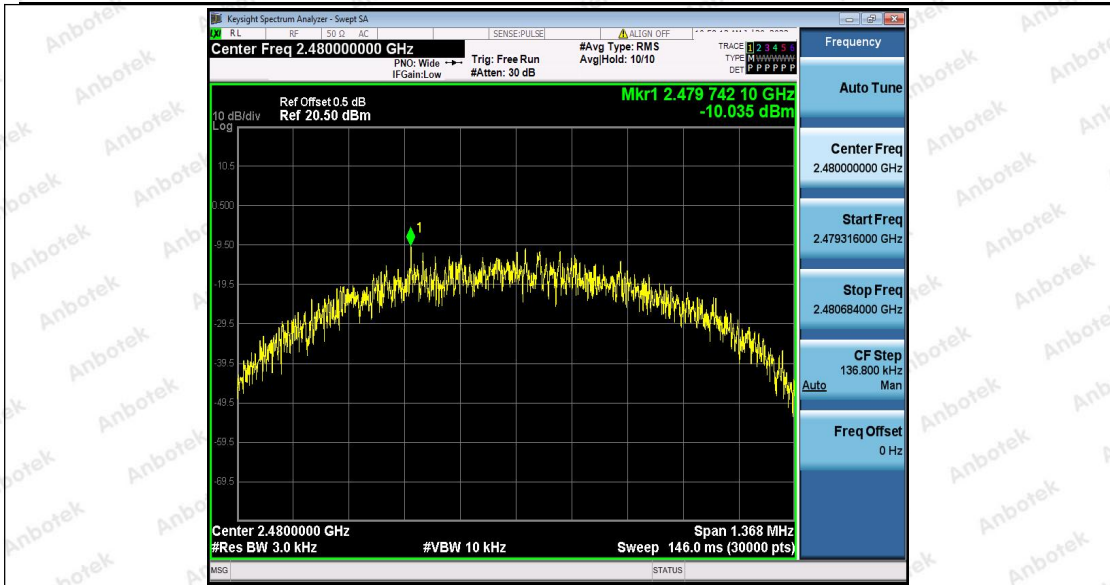
BLE\_1M\_Ant1\_2480

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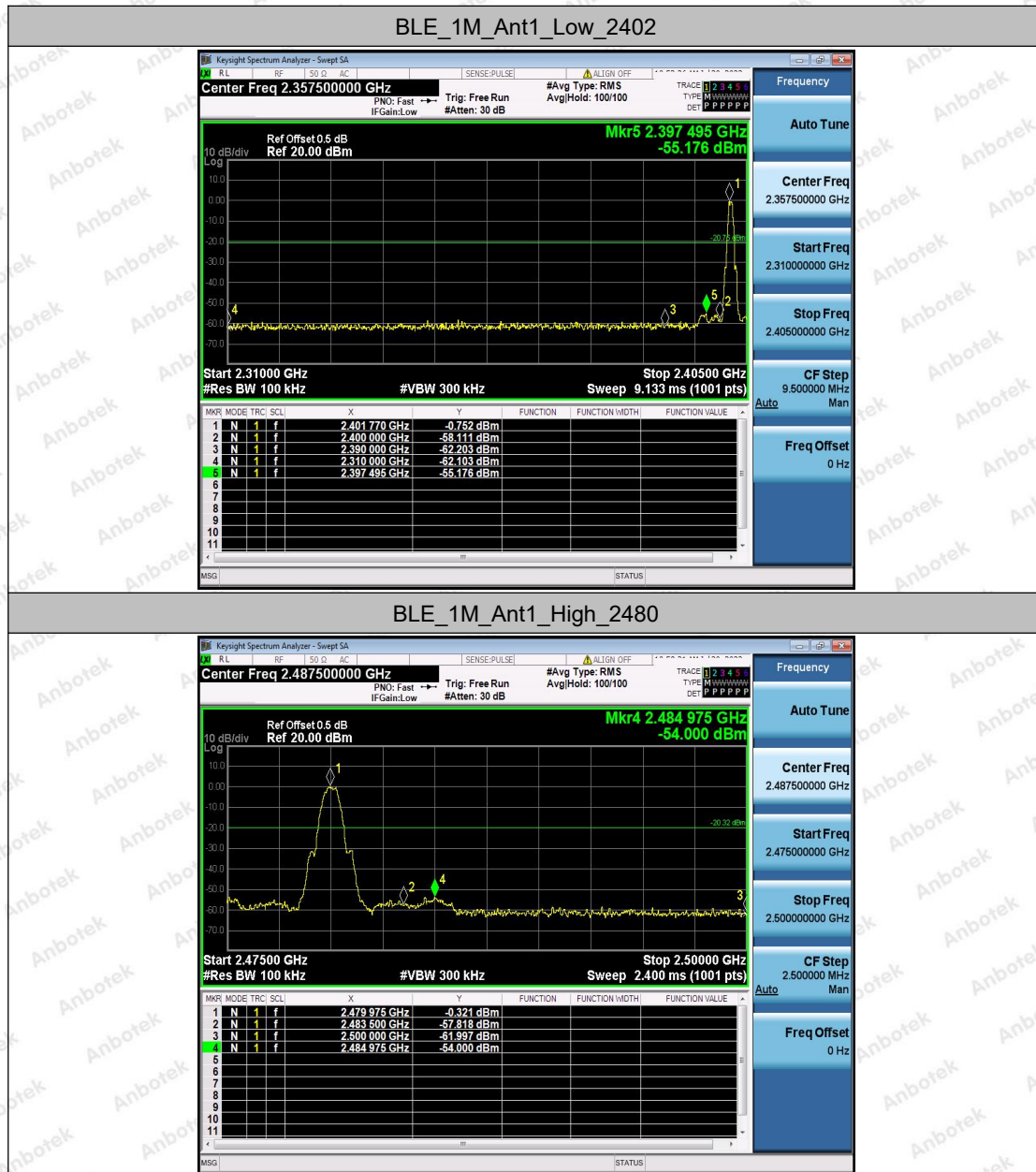
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## Appendix E: Band edge measurements

### Test Result

Test Mode	Antenna	Ch Name	Channel	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.75	-55.18	≤-20.75	PASS
		High	2480	-0.32	-54	≤-20.32	PASS

### Test Graphs



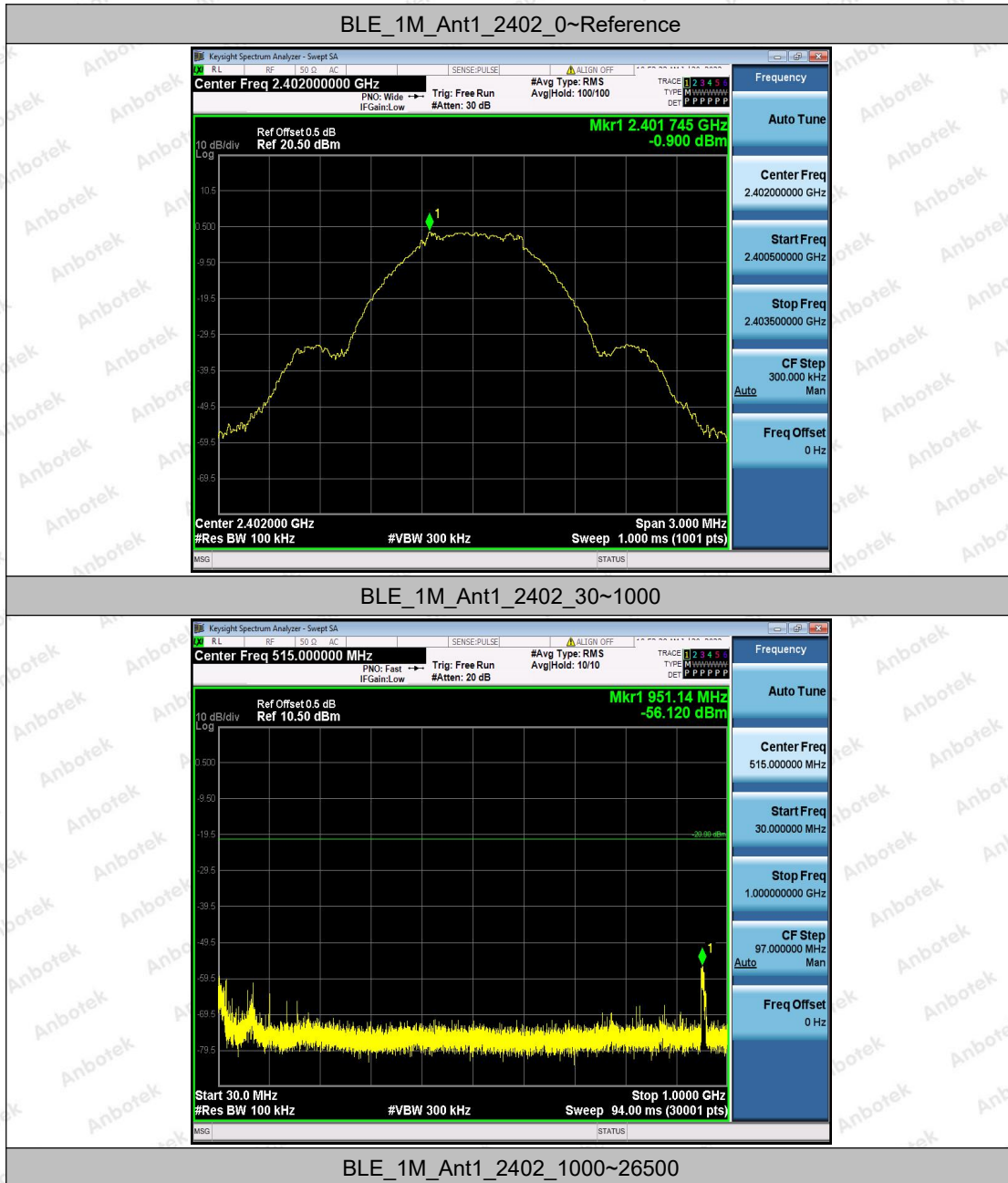
## Appendix F: Conducted Spurious Emission

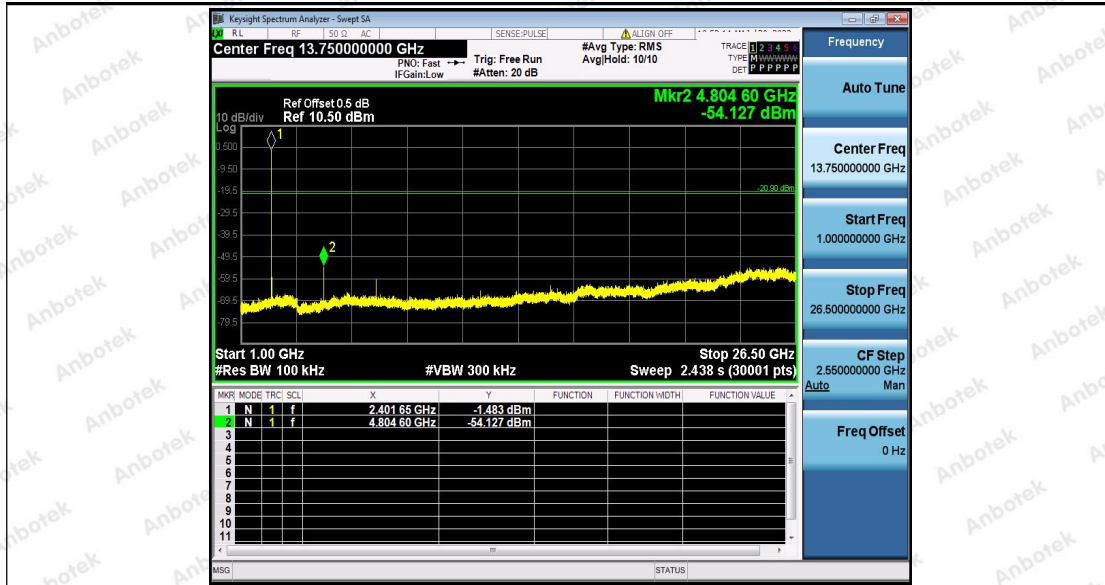
### Test Result

Test Mode	Antenna	Channel	Freq Range [MHz]	Ref Level [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-0.90	-0.90	---	PASS
			30~1000	-0.90	-56.12	≤-20.9	PASS
			1000~26500	-0.90	-54.13	≤-20.9	PASS
		2440	Reference	-0.01	-0.01	---	PASS
			30~1000	-0.01	-56.86	≤-20.01	PASS
			1000~26500	-0.01	-54.08	≤-20.01	PASS
		2480	Reference	0.38	0.38	---	PASS
			30~1000	0.38	-51.98	≤-19.62	PASS
			1000~26500	0.38	-54.21	≤-19.62	PASS



## Test Graphs

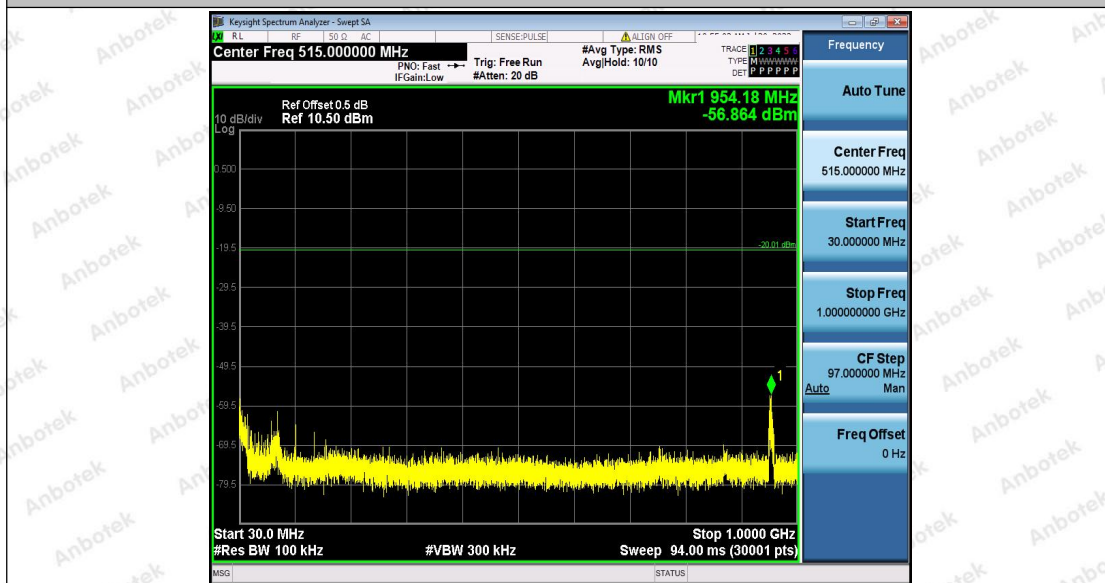




BLE\_1M\_Ant1\_2440\_0~Reference



BLE\_1M\_Ant1\_2440\_30~1000



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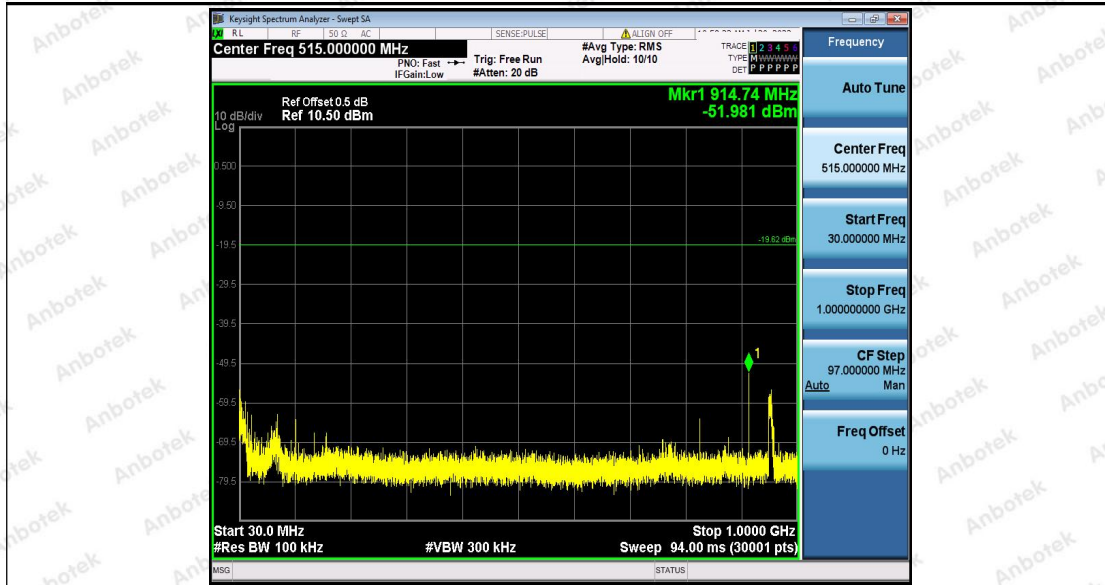


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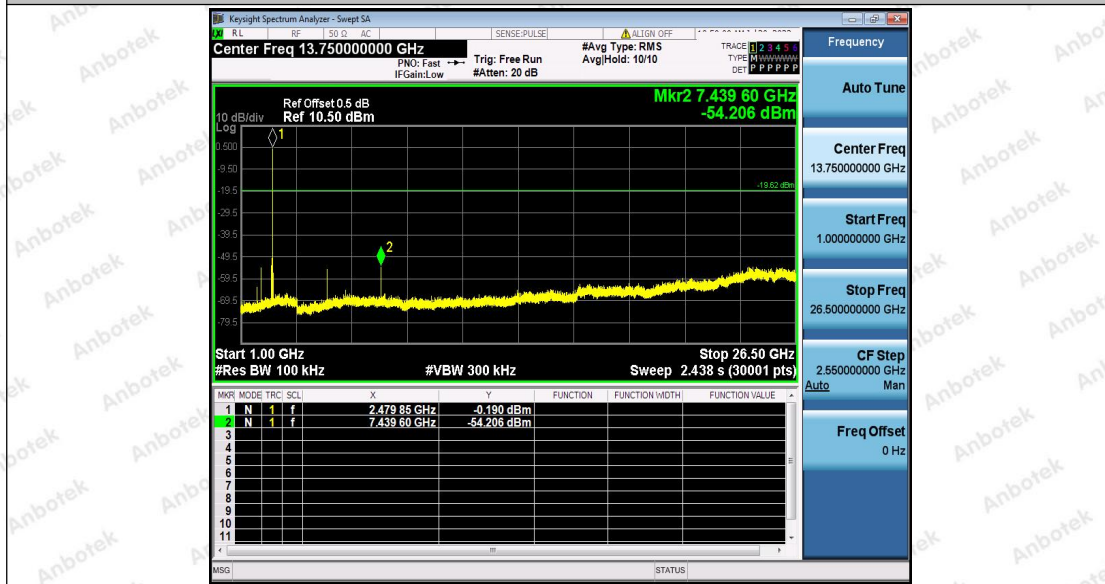
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BLE\_1M\_Ant1\_2480\_1000~26500



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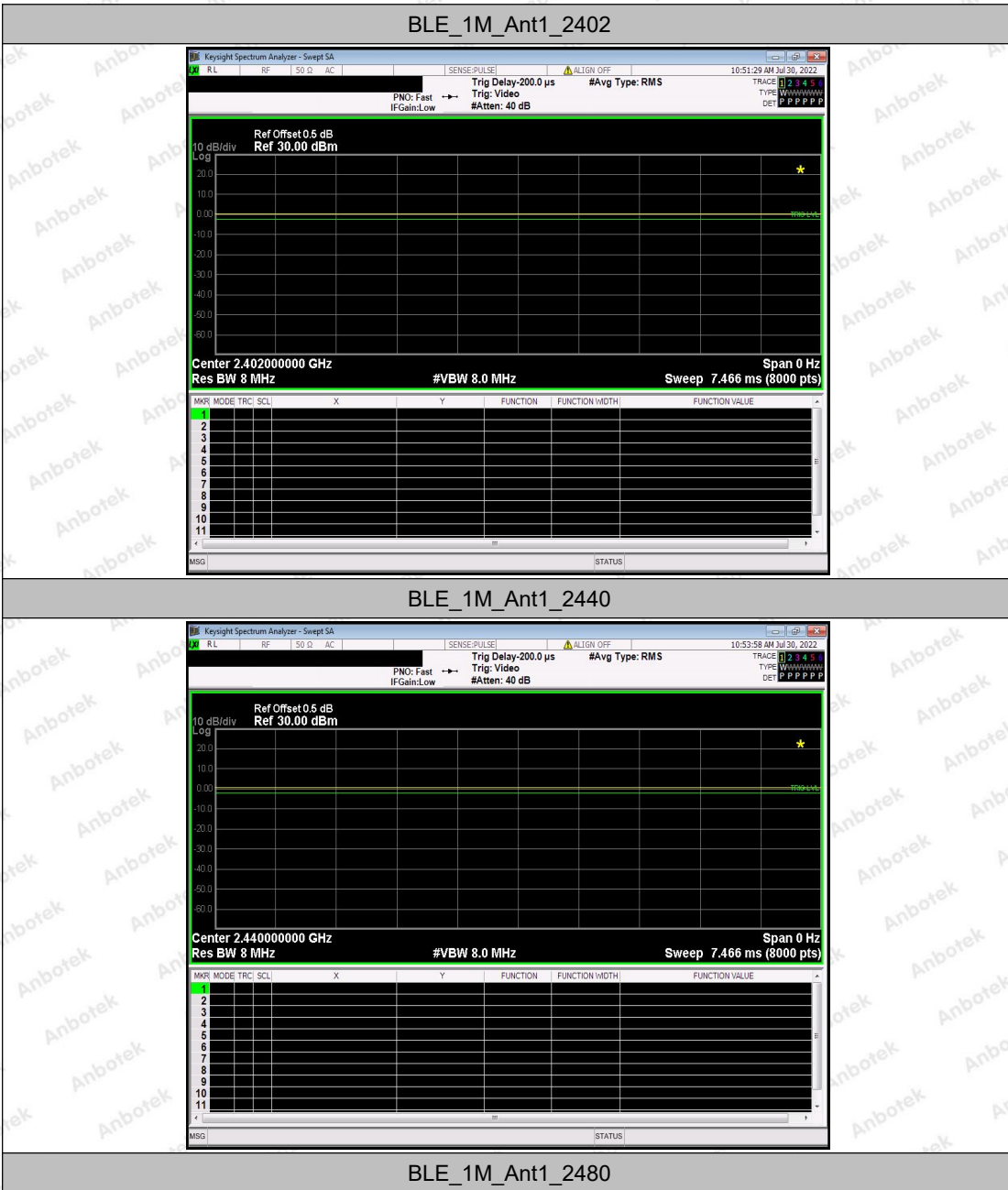
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## Appendix G: Duty Cycle

### Test Result

Test Mode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	X Factor	Limit	Verdict
BLE_1M	Ant1	2402	7.466	7.466	1	100	0	---	PASS
		2440	7.466	7.466	1	100	0	---	PASS
		2480	7.466	7.466	1	100	0	---	PASS

**Test Graphs**

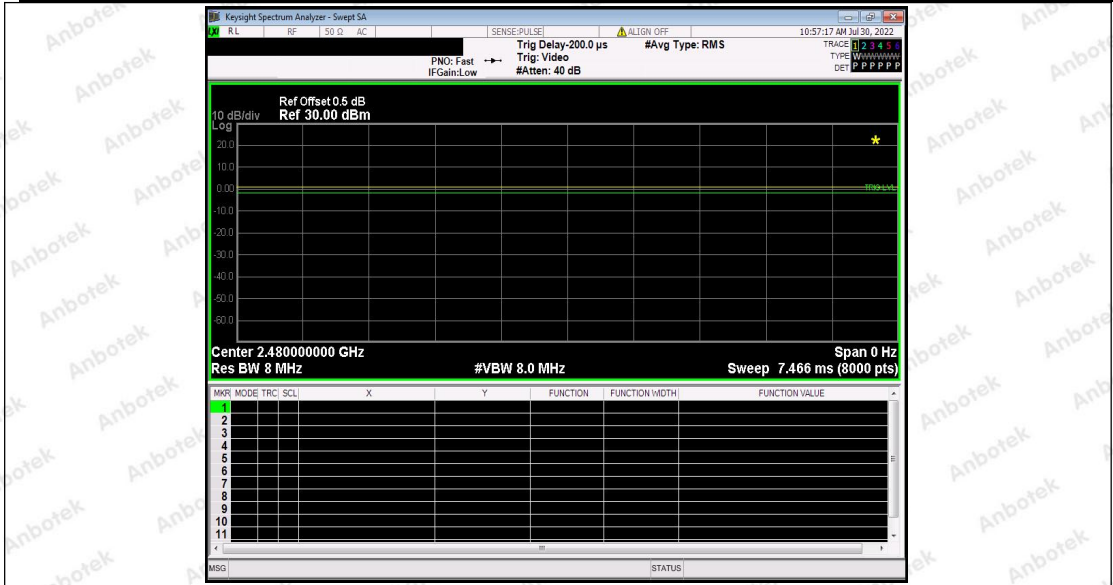


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