

## Appendix Test Data

Report No.:	18220WC20137402	Test Sample No.:	1-2-2
Start Test Date:	2022.6.28	Finish Test Date:	2022.8.11
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	22.6°C	Relative Humidity:	53.5 %
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	0.528	2401.664	2402.192	≥0.5	PASS
		2440	0.520	2439.668	2440.188	≥0.5	PASS
		2480	0.504	2479.668	2480.172	≥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	1.0418	2401.494	2402.536	---	PASS
		2440	1.0735	2439.468	2440.541	---	PASS
		2480	1.1481	2479.393	2480.541	---	PASS

## Test Graphs





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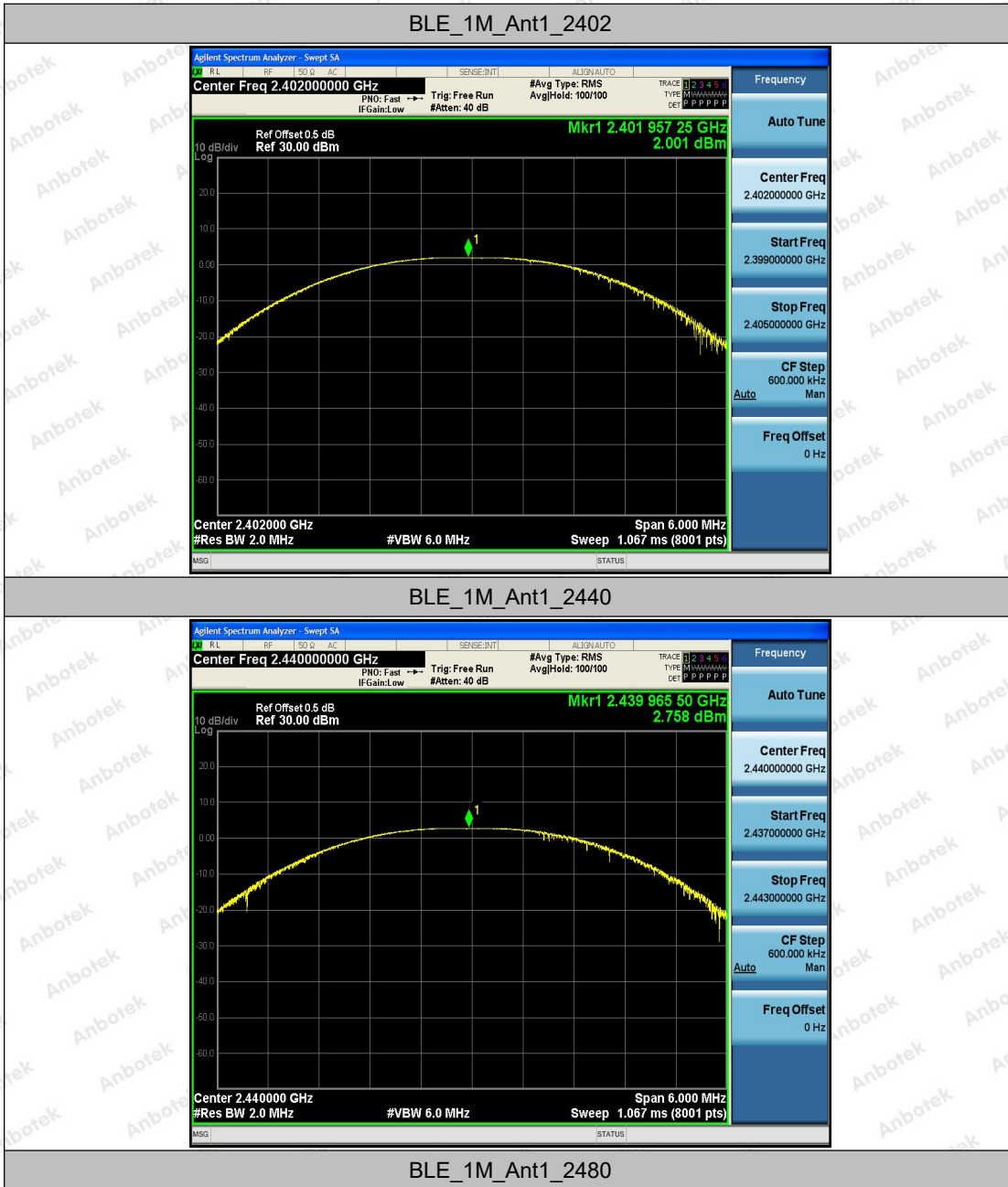


## Appendix C: Maximum conducted output power

### Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2	≤30	PASS
		2440	2.76	≤30	PASS
		2480	3.09	≤30	PASS

## Test Graphs



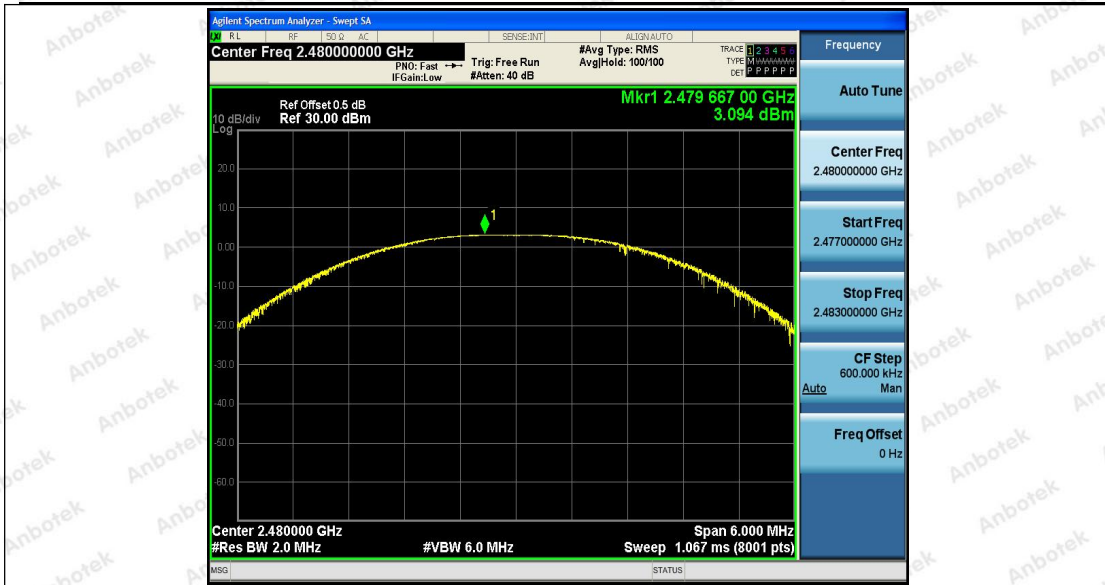
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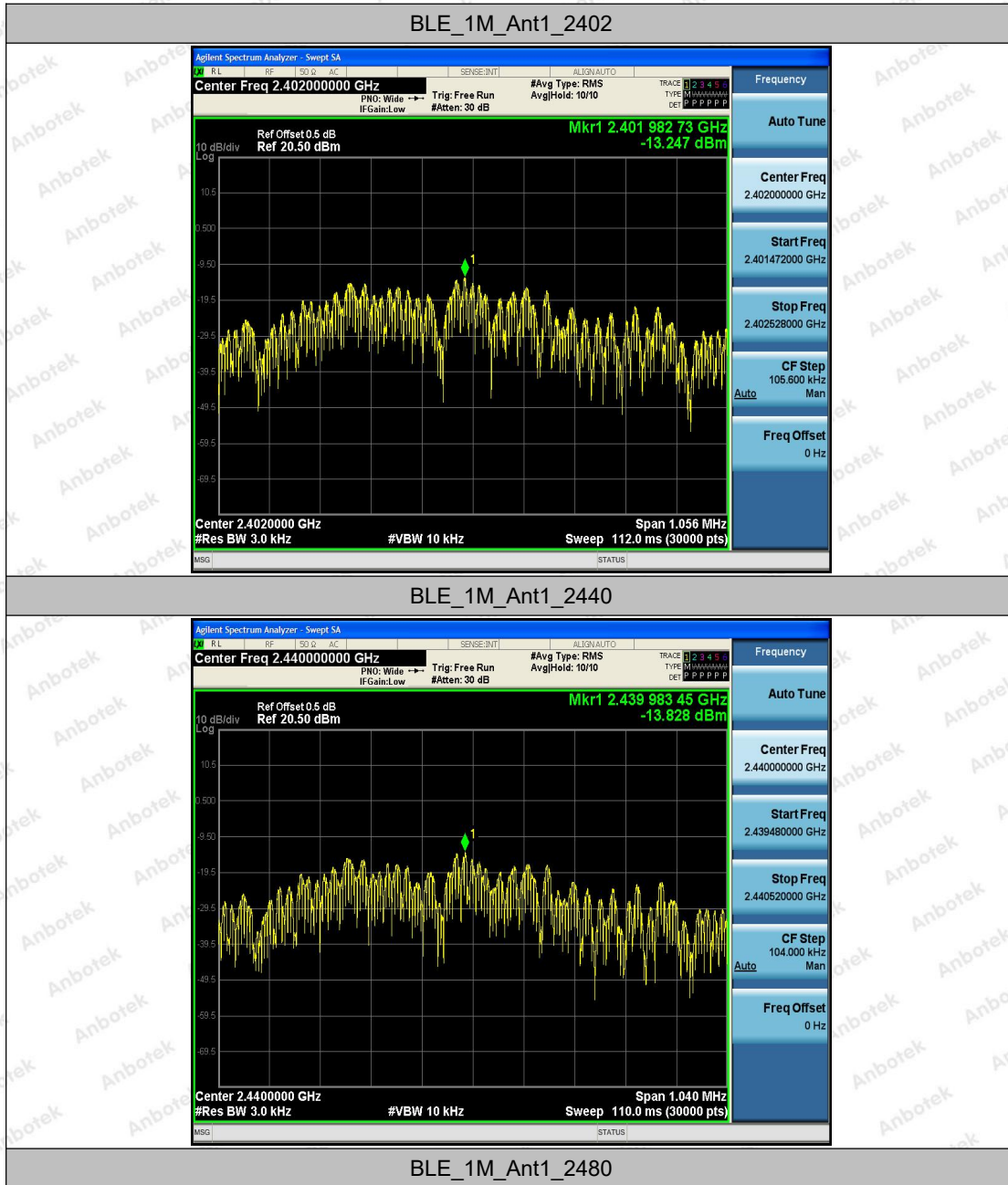
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## Appendix D: Maximum power spectral density

### Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.25	≤8	PASS
		2440	-13.83	≤8	PASS
		2480	-13.1	≤8	PASS

## Test Graphs



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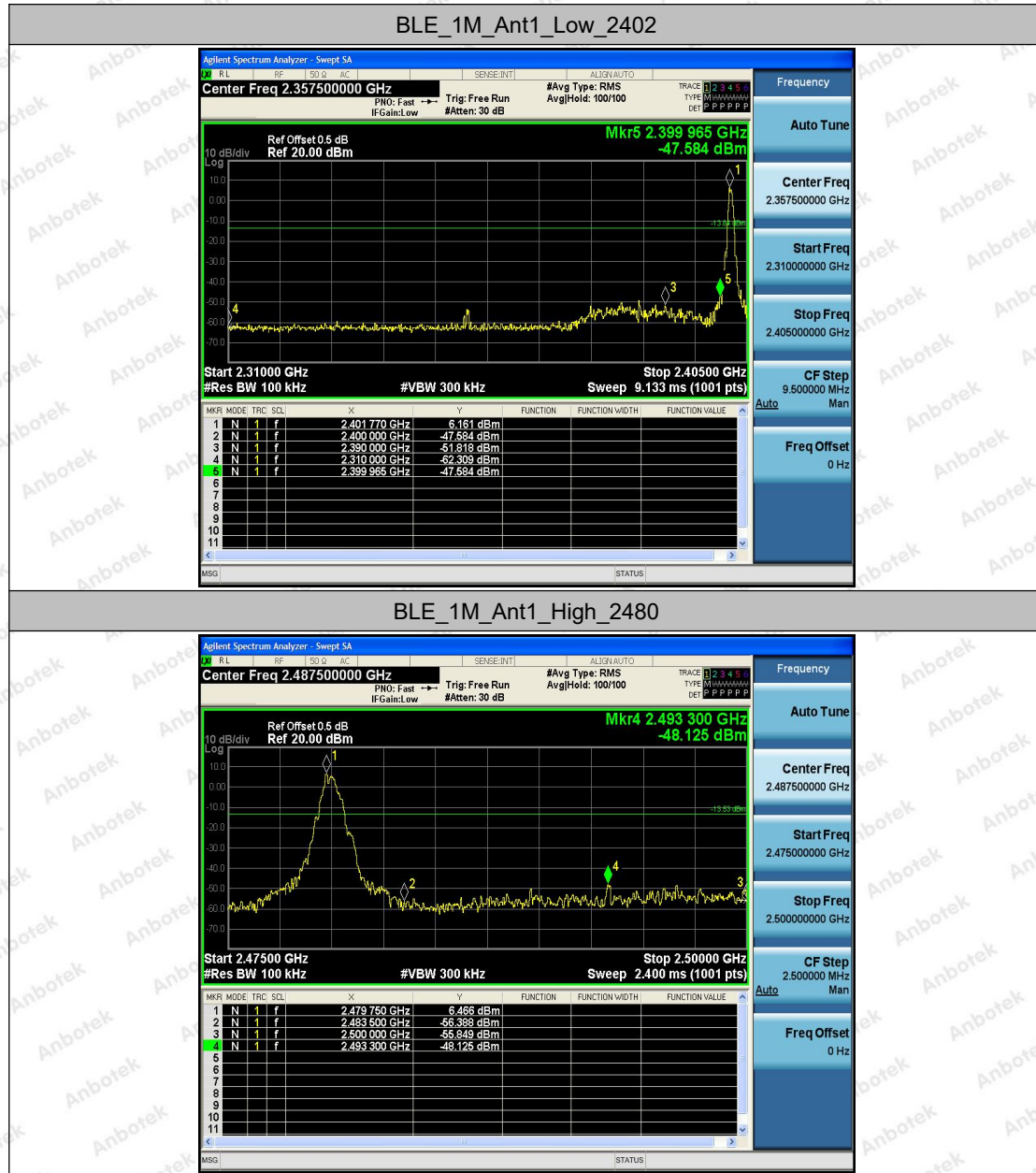
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## Appendix E: Band edge measurements

### Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	6.16	-47.58	≤-13.84	PASS
		High	2480	6.47	-48.13	≤-13.53	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	6.09	6.09	---	PASS
			30~1000	6.09	-65.66	≤-13.91	PASS
			1000~265 00	6.09	-38.93	≤-13.91	PASS
		2440	Reference	5.21	5.21	---	PASS
			30~1000	5.21	-62.41	≤-14.79	PASS
			1000~265 00	5.21	-37.61	≤-14.79	PASS
		2480	Reference	6.19	6.19	---	PASS
			30~1000	6.19	-63.16	≤-13.81	PASS
			1000~265 00	6.19	-34.98	≤-13.81	PASS

## Test Graphs

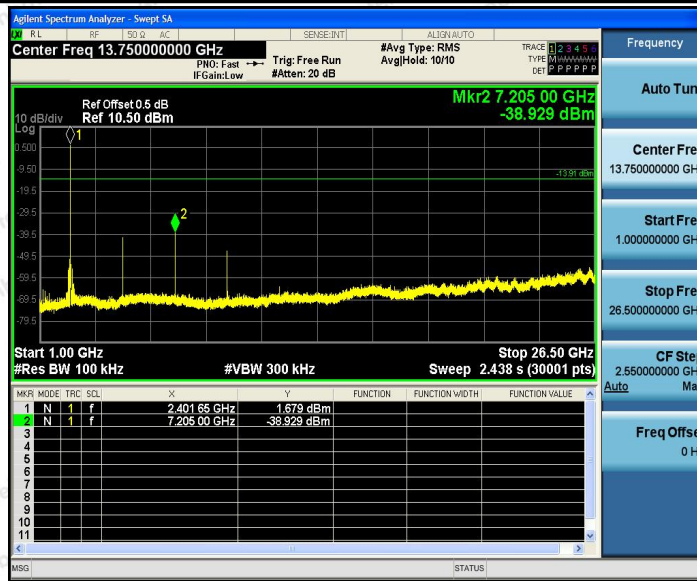


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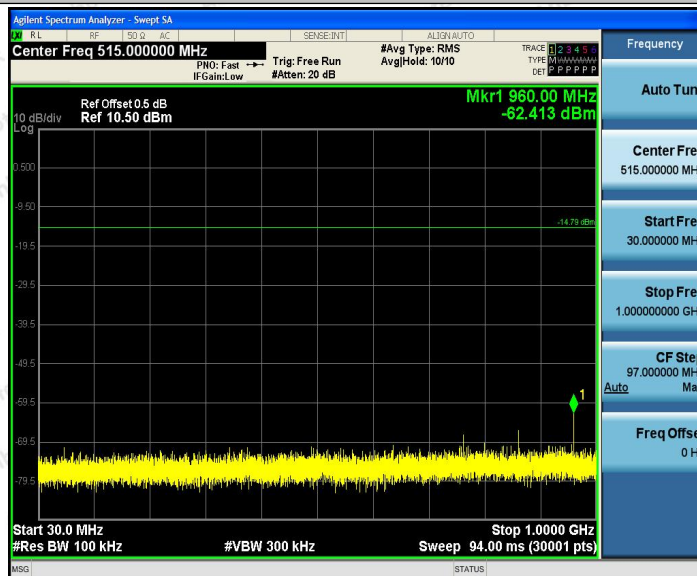
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BLE\_1M\_Ant1\_2440\_0~Reference



BLE\_1M\_Ant1\_2440\_30~1000



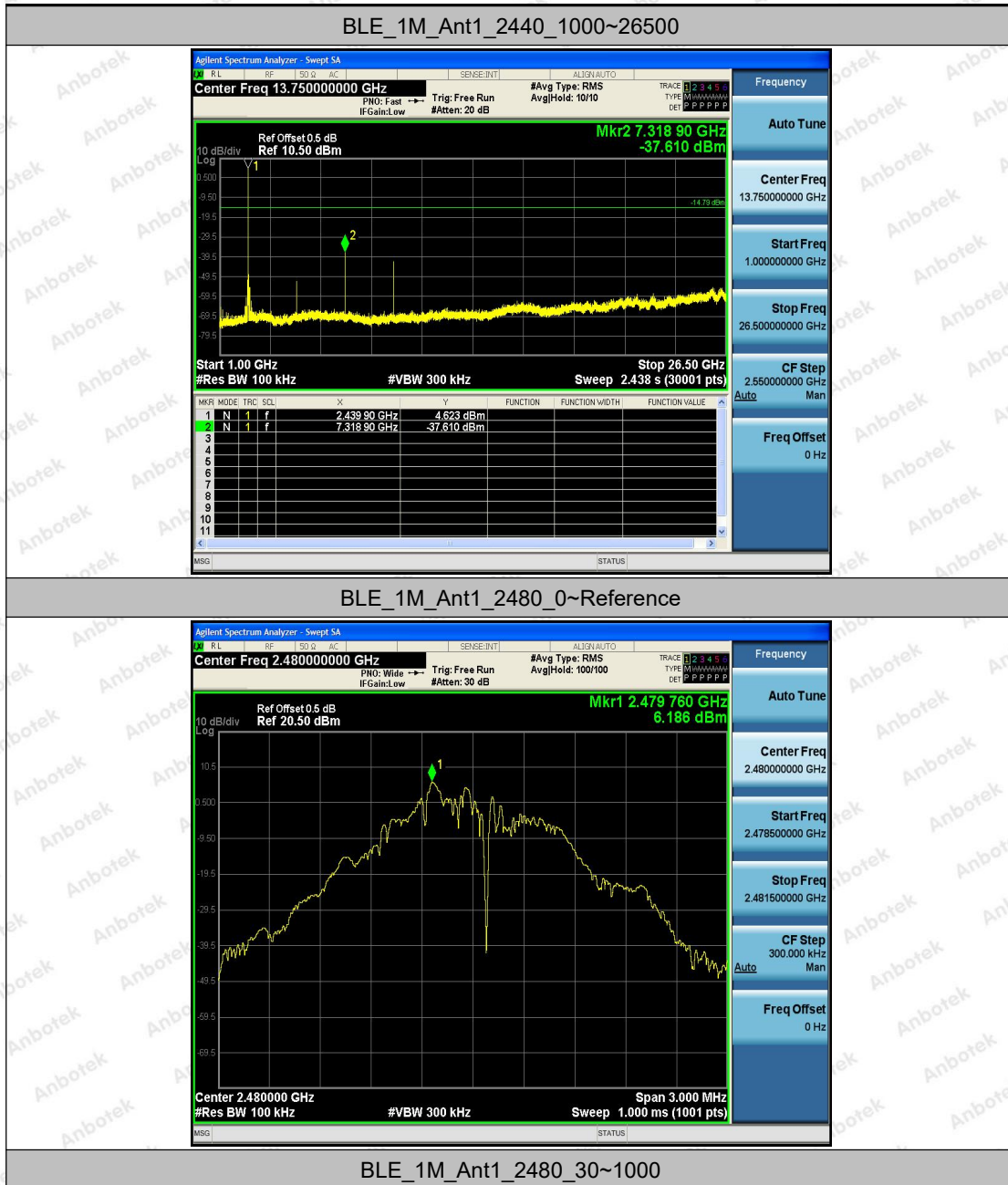
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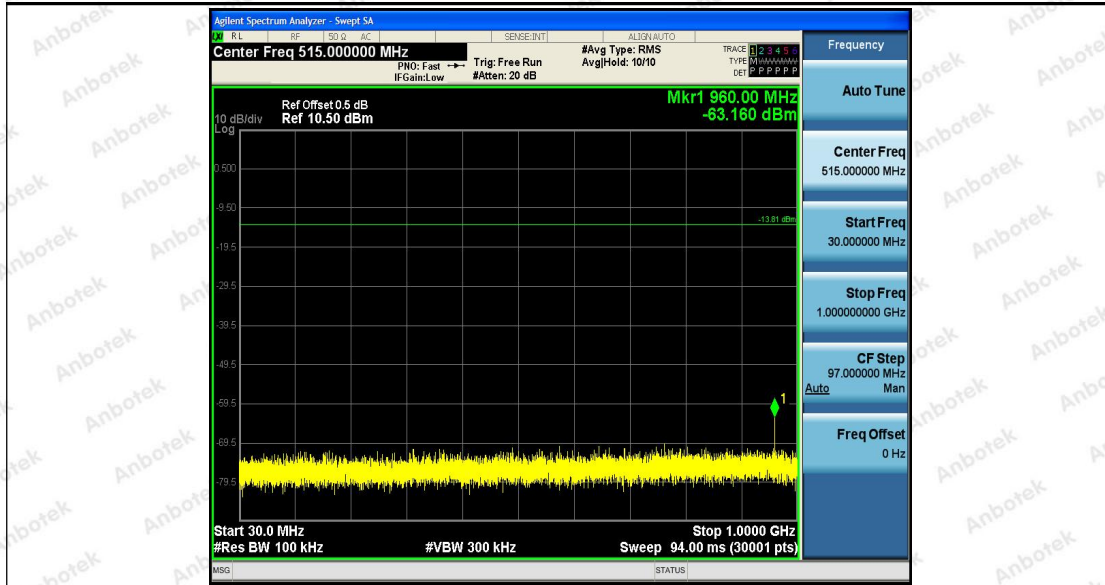


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BLE\_1M\_Ant1\_2480\_1000~26500



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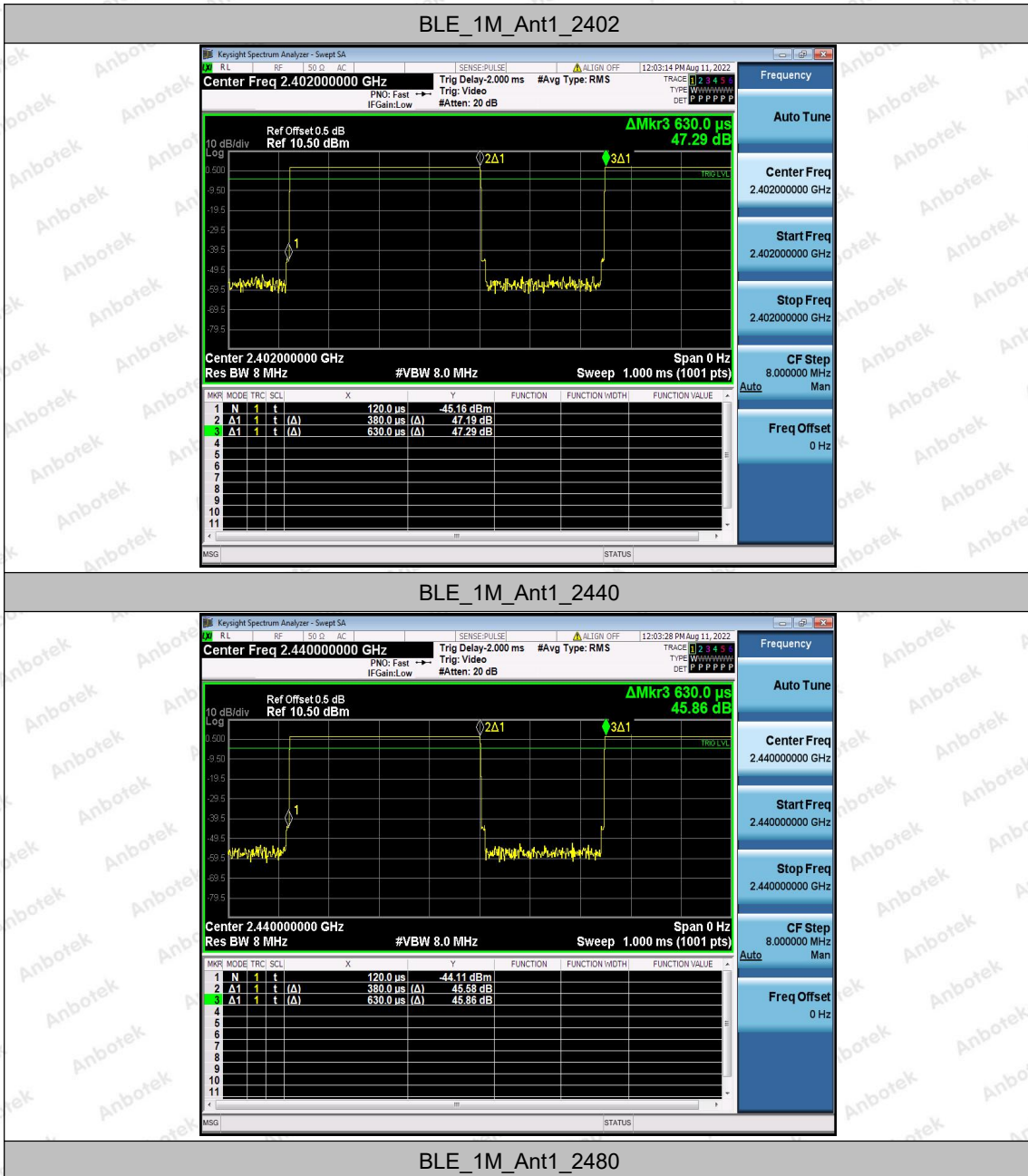
## Appendix G: Duty Cycle

### 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

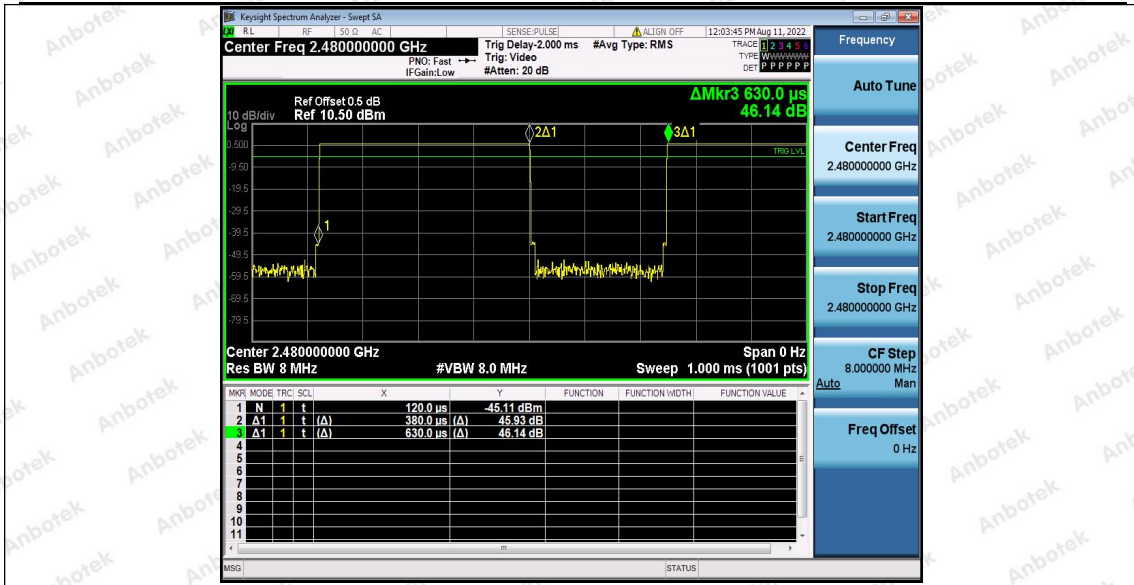


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