

## Appendix Test Data

Report No.:	18220WC20212002	Test Sample No.:	1-2-2
Start Test Date:	2022.9.7	Finish Test Date:	2022.9.13
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

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.640	2401.688	2402.328	0.5	PASS
		2440	0.660	2439.668	2440.328	0.5	PASS
		2480	0.644	2479.680	2480.324	0.5	PASS

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## Test Graphs

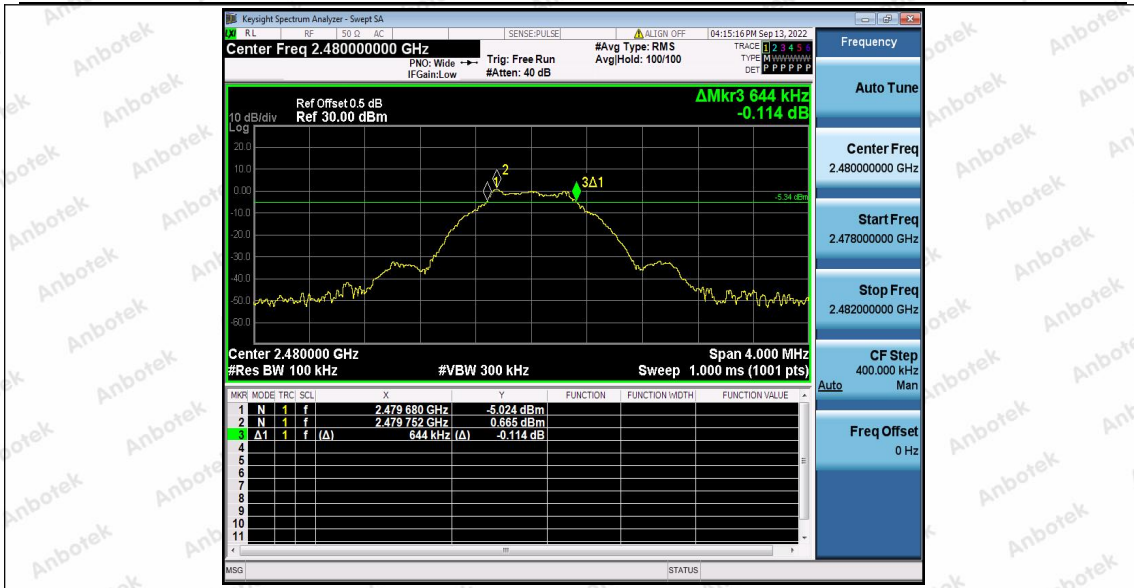


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## Appendix B: Occupied Channel Bandwidth

### Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0034	2401.5067	2402.5101
		2440	1.0062	2439.5072	2440.5134
		2480	1.0026	2479.5044	2480.5070

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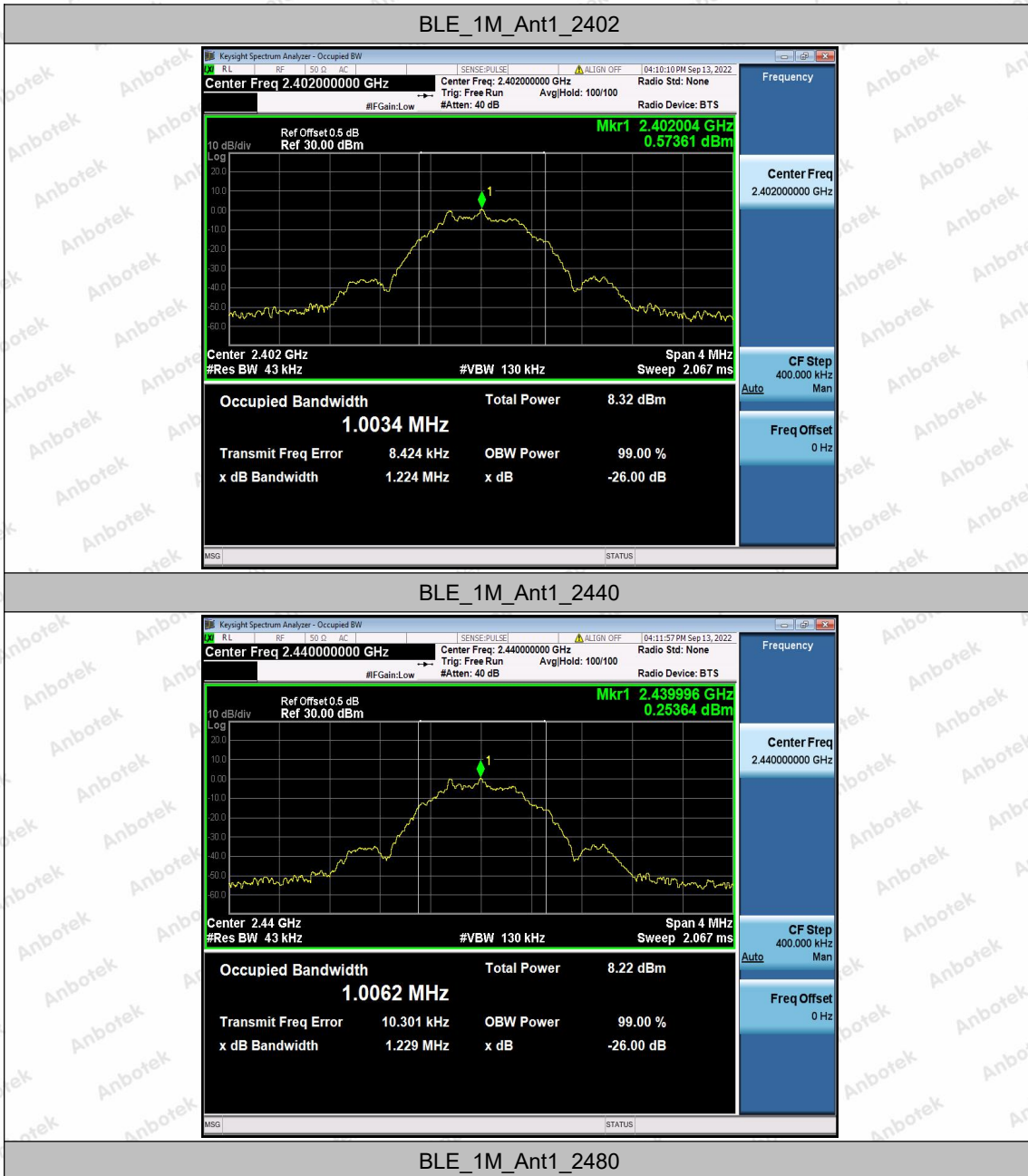
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## Test Graphs



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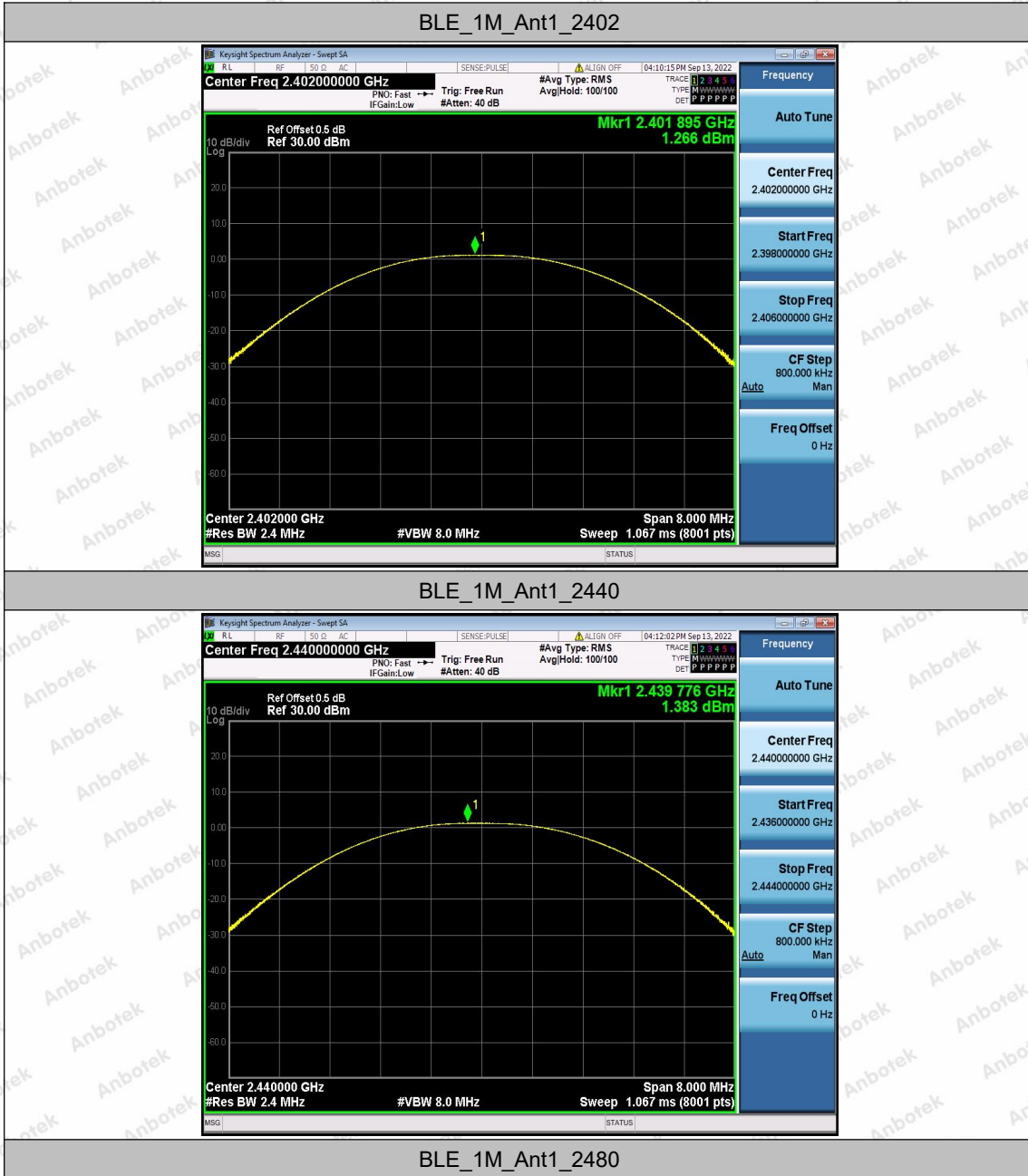
## Appendix C: Maximum conducted output power

### Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.27	≤30	PASS
		2440	1.38	≤30	PASS
		2480	0.95	≤30	PASS



## Test Graphs Peak



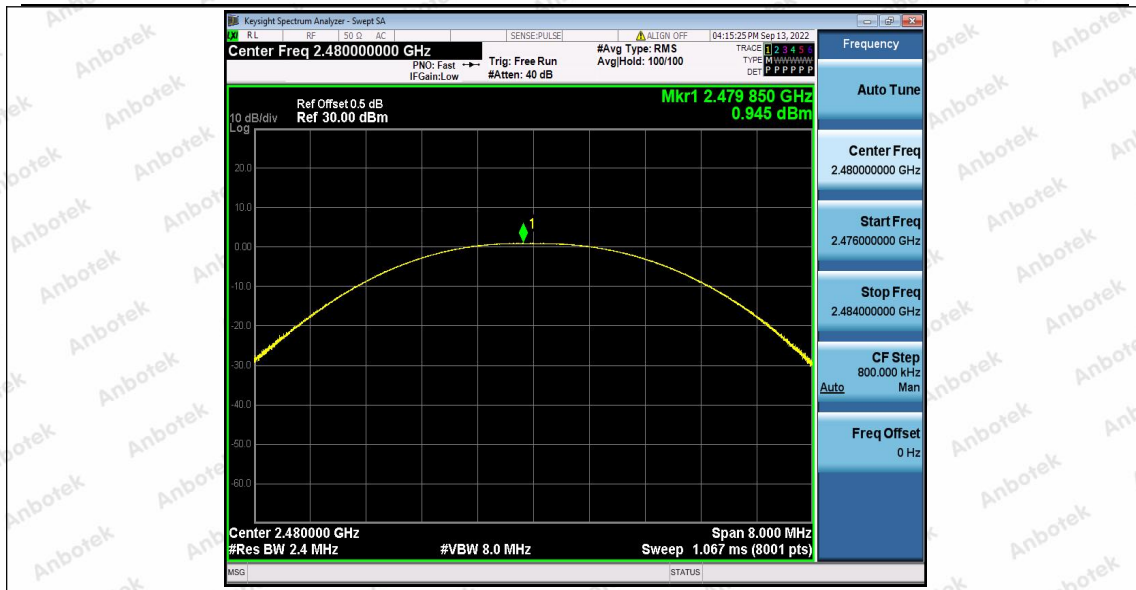
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## Appendix D: Maximum power spectral density

### Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.14	≤8.00	PASS
		2440	-13.98	≤8.00	PASS
		2480	-14.33	≤8.00	PASS

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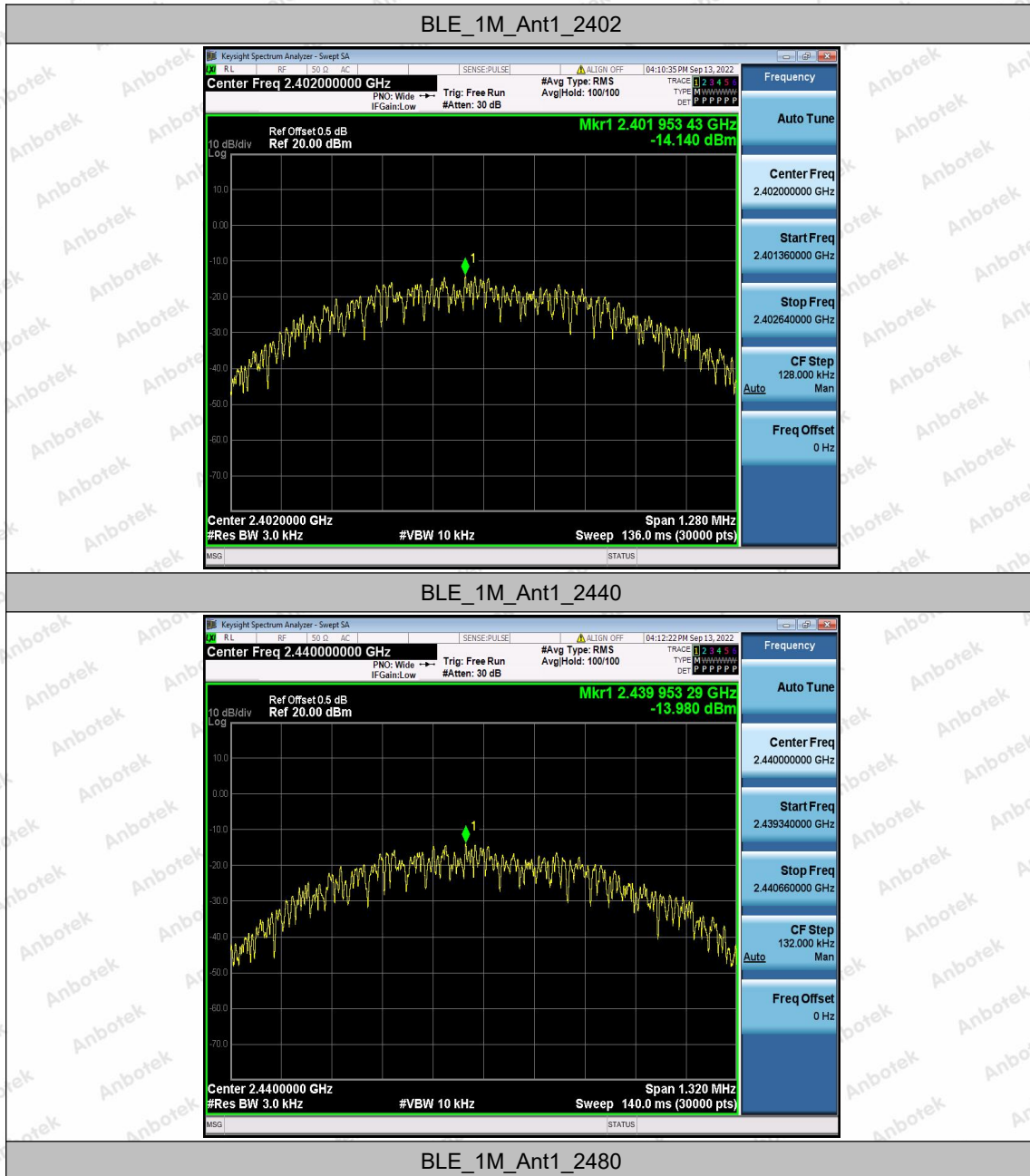
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## Test Graphs

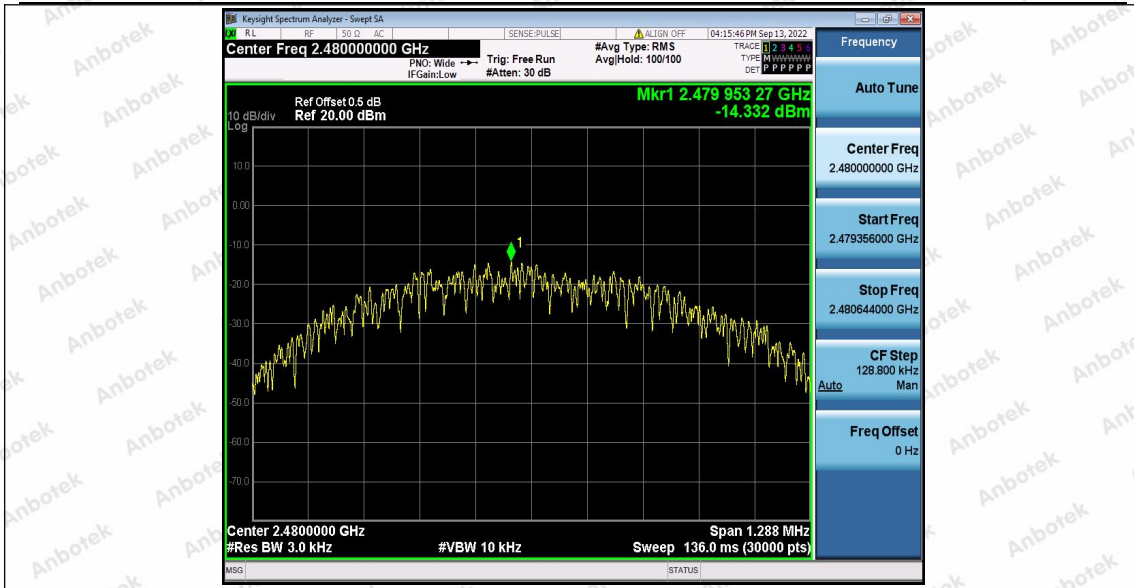


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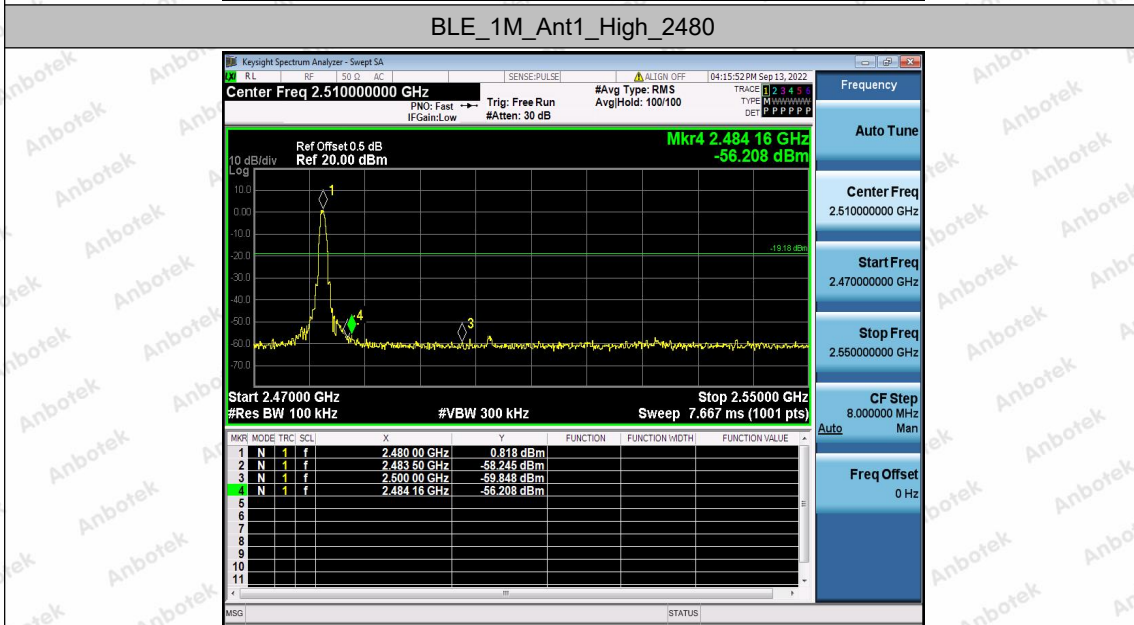
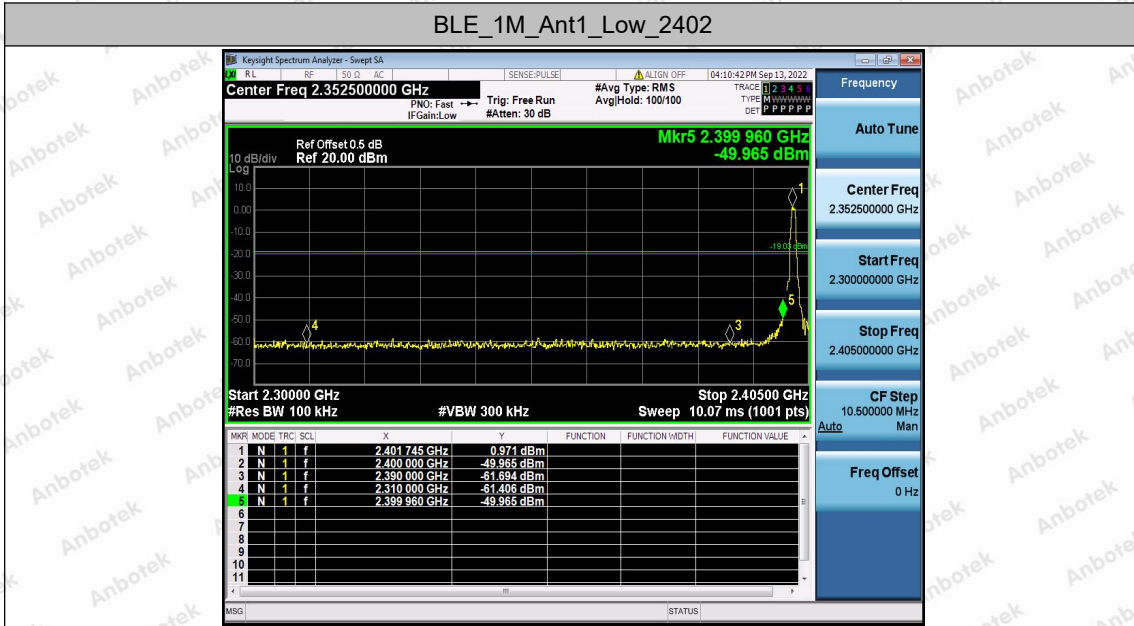
## Appendix E: Band edge measurements

### Test Result

Test Mode	Antenna	Ch Name	Frequency[MHz]	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.97	-49.97	≤-19.03	PASS
		High	2480	0.82	-56.21	≤-19.18	PASS



## Test Graphs



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## Appendix F: Conducted Spurious Emission

### Test Result

Test Mode	Antenna	Frequency[MHz]	Freq Range [MHz]	Ref Level [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-0.09	-0.09	---	PASS
			30~1000	-0.09	-64.67	≤-30.09	PASS
			1000~26500	-0.09	-33.12	≤-30.09	PASS
		2440	Reference	0.25	0.25	---	PASS
			30~1000	0.25	-63.84	≤-29.75	PASS
			1000~26500	0.25	-35.21	≤-29.75	PASS
		2480	Reference	-0.36	-0.36	---	PASS
			30~1000	-0.36	-64.45	≤-30.36	PASS
			1000~26500	-0.36	-35.29	≤-30.36	PASS

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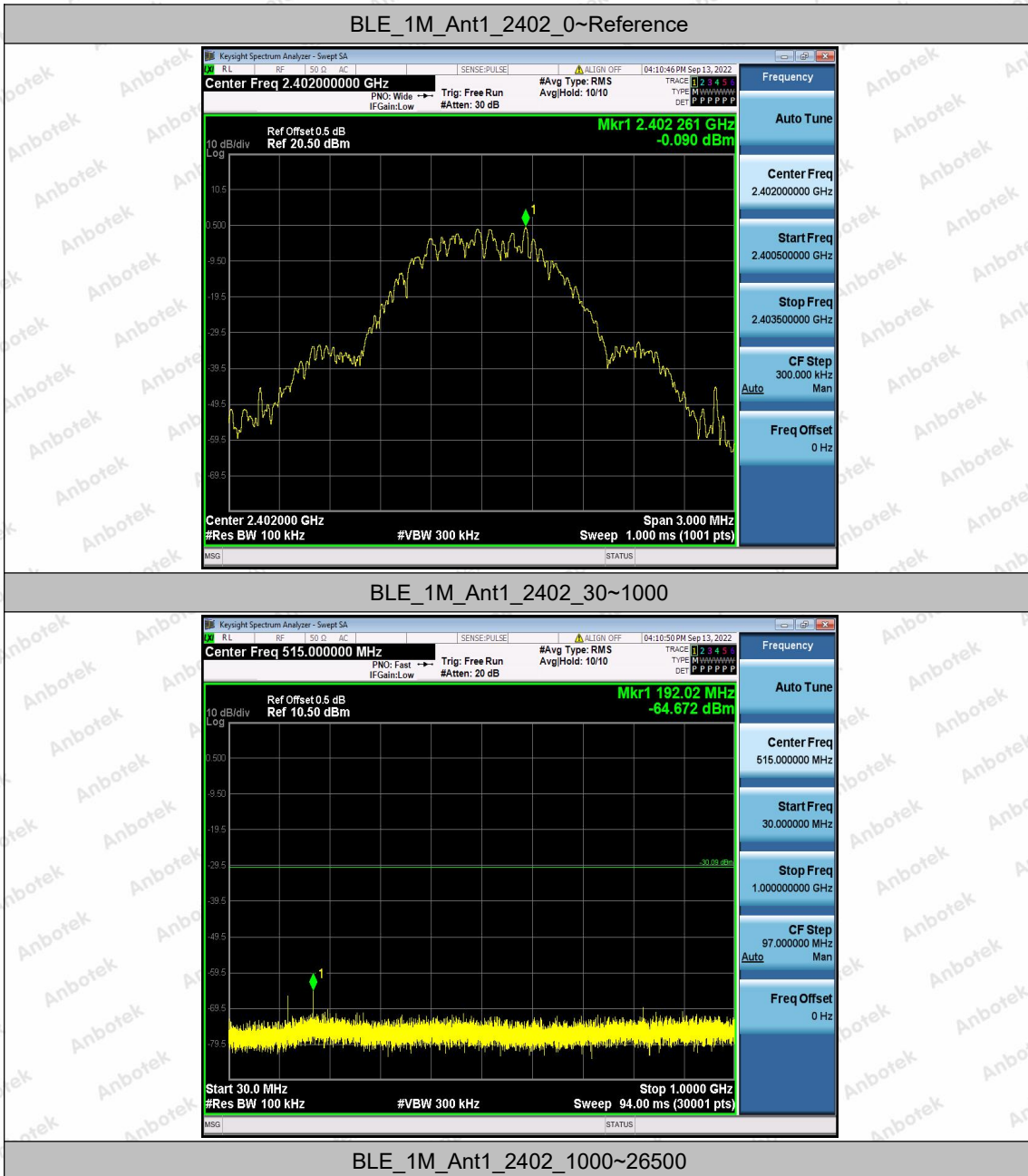
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## Test Graphs



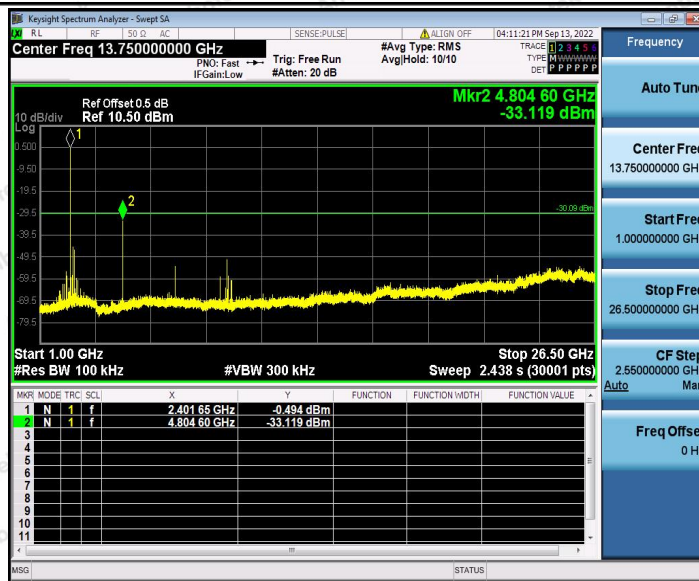
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BLE\_1M\_Ant1\_2440\_0~Reference



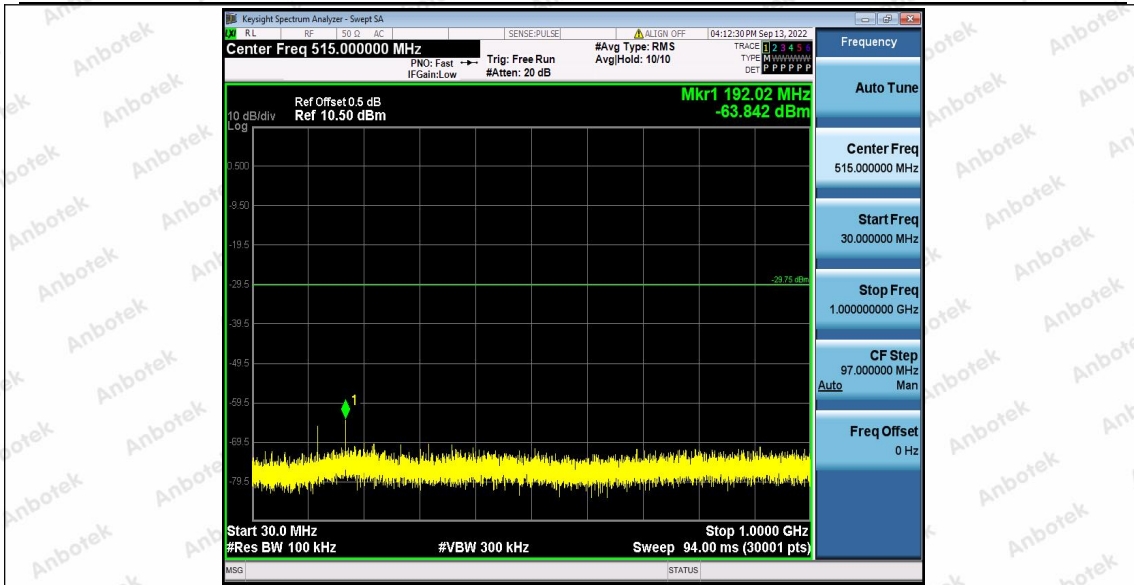
BLE\_1M\_Ant1\_2440\_30~1000

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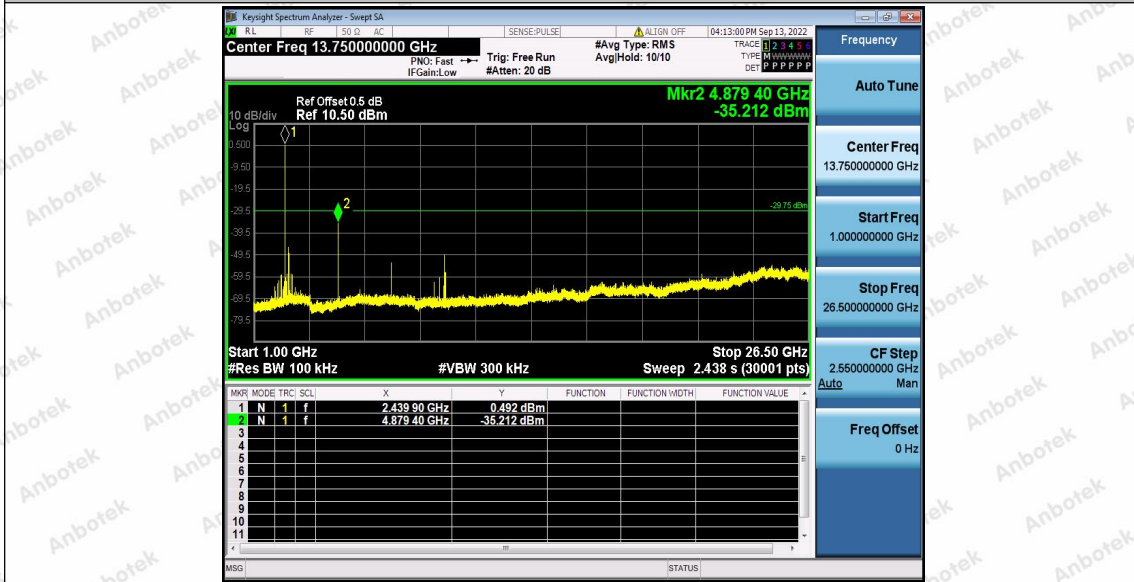
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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BLE\_1M\_Ant1\_2440\_1000~26500



BLE\_1M\_Ant1\_2480\_0~Reference

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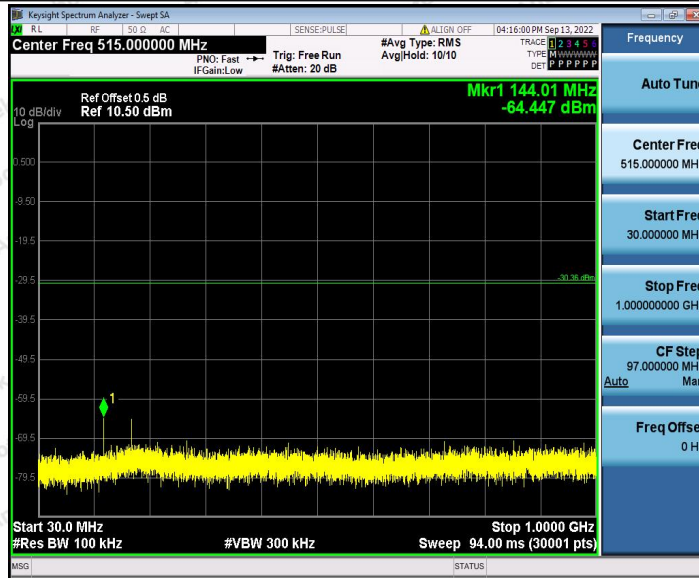
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BLE\_1M\_Ant1\_2480\_30~1000



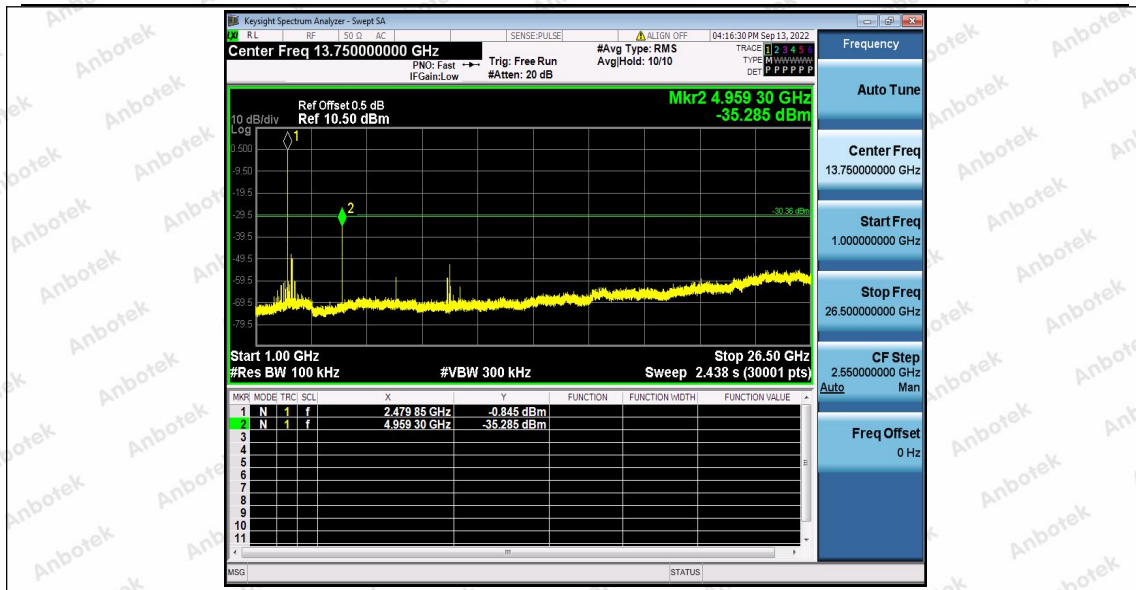
BLE\_1M\_Ant1\_2480\_1000~26500

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## Appendix G: Duty Cycle

### Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.41	0.63	65.08	1.87
		2440	0.41	0.63	65.08	1.87
		2480	0.41	0.63	65.08	1.87

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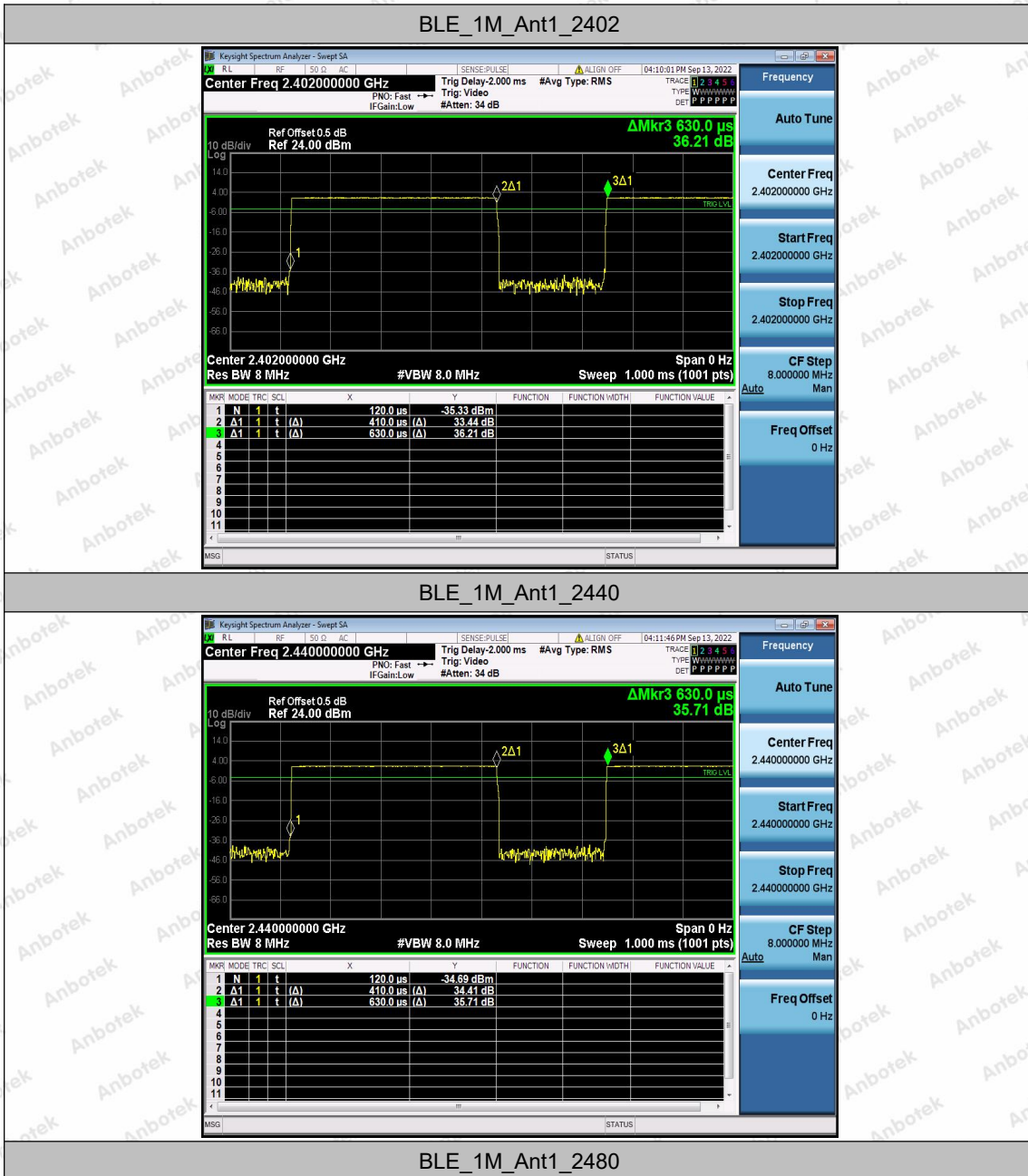
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## Test Graphs

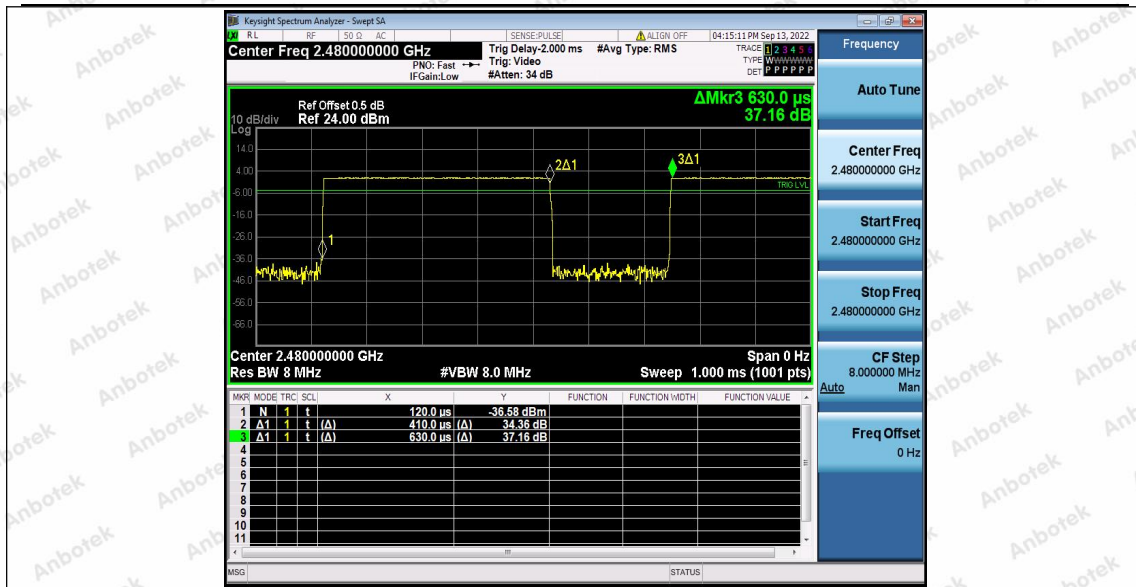


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