

## Appendix Test Data

Report No.:	18220WC40002901	Test Sample No.:	1-2-2
Start Test Date:	2024.1.19	Finish Test Date:	2024.1.19
Test Engineer:	Hayman Chen	Auditor:	RICK Luo
Temperature:	25.6°C	Relative Humidity:	45%
Pressure:	101kPa		

## Appendix A: DTS Bandwidth

### Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.800	2401.616	2402.416	0.5	PASS
		2440	0.760	2439.636	2440.396	0.5	PASS
		2480	0.768	2479.620	2480.388	0.5	PASS

### 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	1.1749	2401.3949	2402.5698
		2440	1.1881	2439.3684	2440.5565
		2480	1.2043	2479.3625	2480.5668

### Test Graphs





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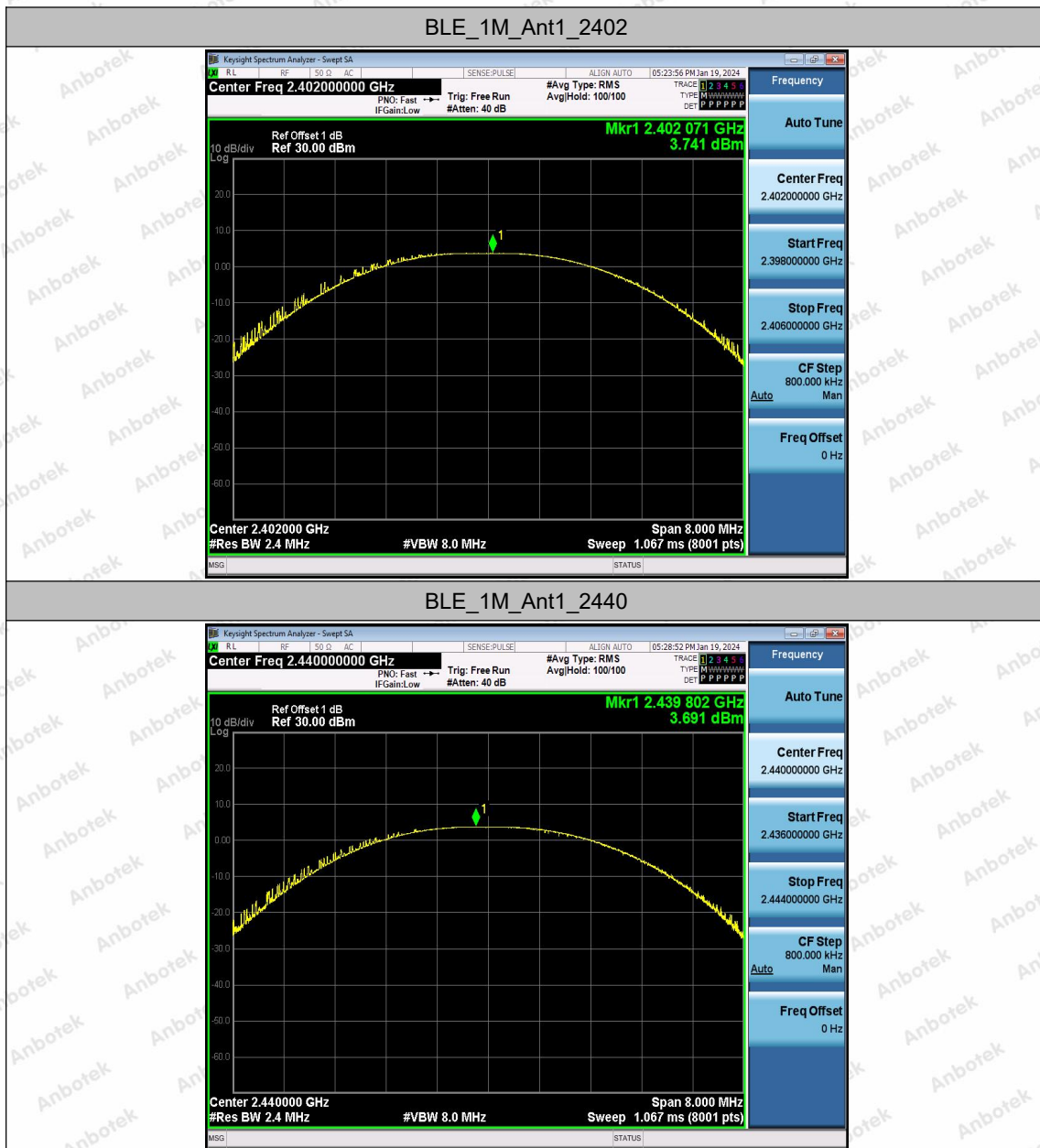


## Appendix C: Maximum conducted output power

### Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	3.74	≤30	PASS
		2440	3.69	≤30	PASS
		2480	3.68	≤30	PASS

### Test Graphs Peak



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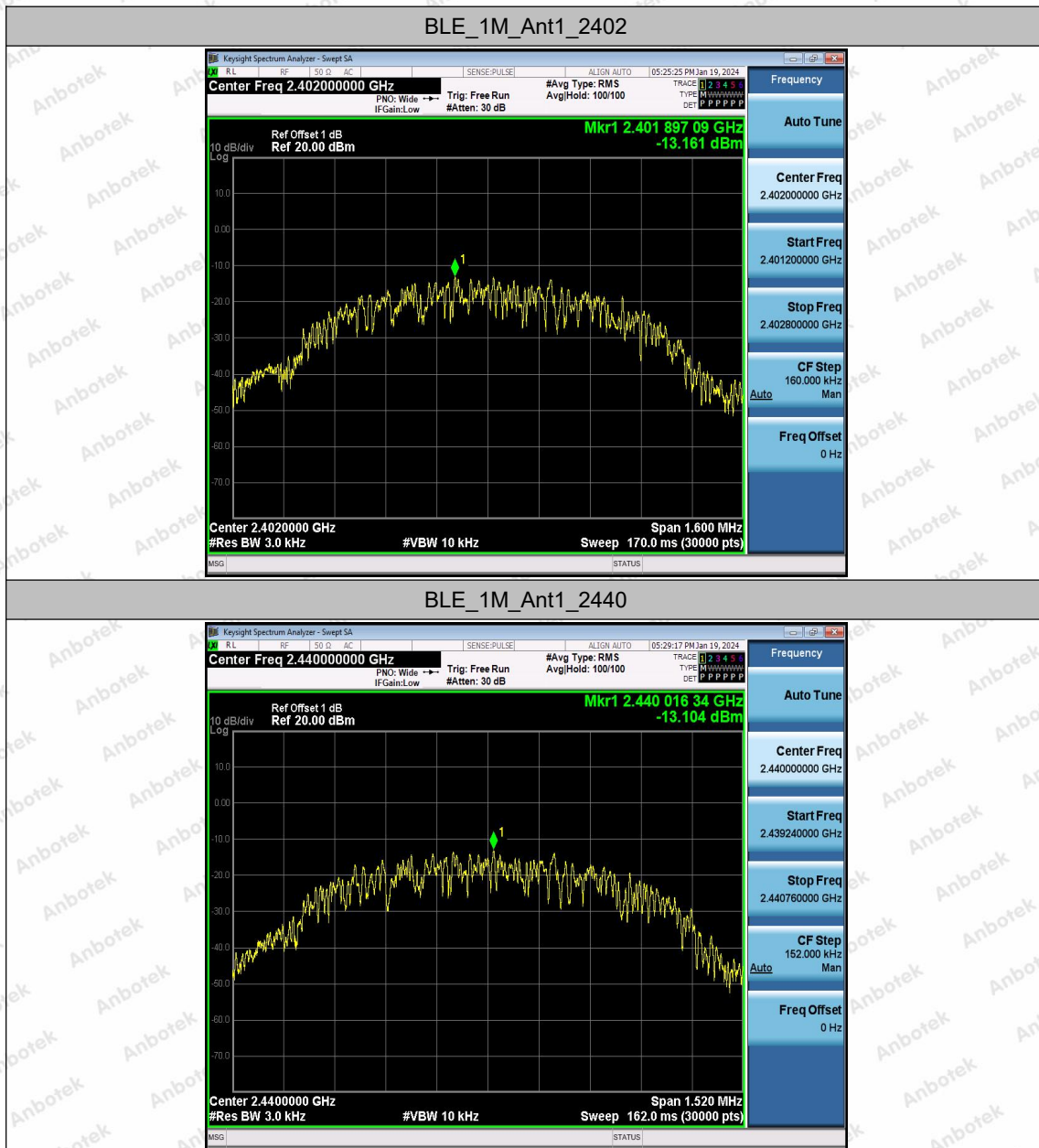


## Appendix D: Maximum power spectral density

### Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.16	≤8.00	PASS
		2440	-13.10	≤8.00	PASS
		2480	-12.51	≤8.00	PASS

### Test Graphs



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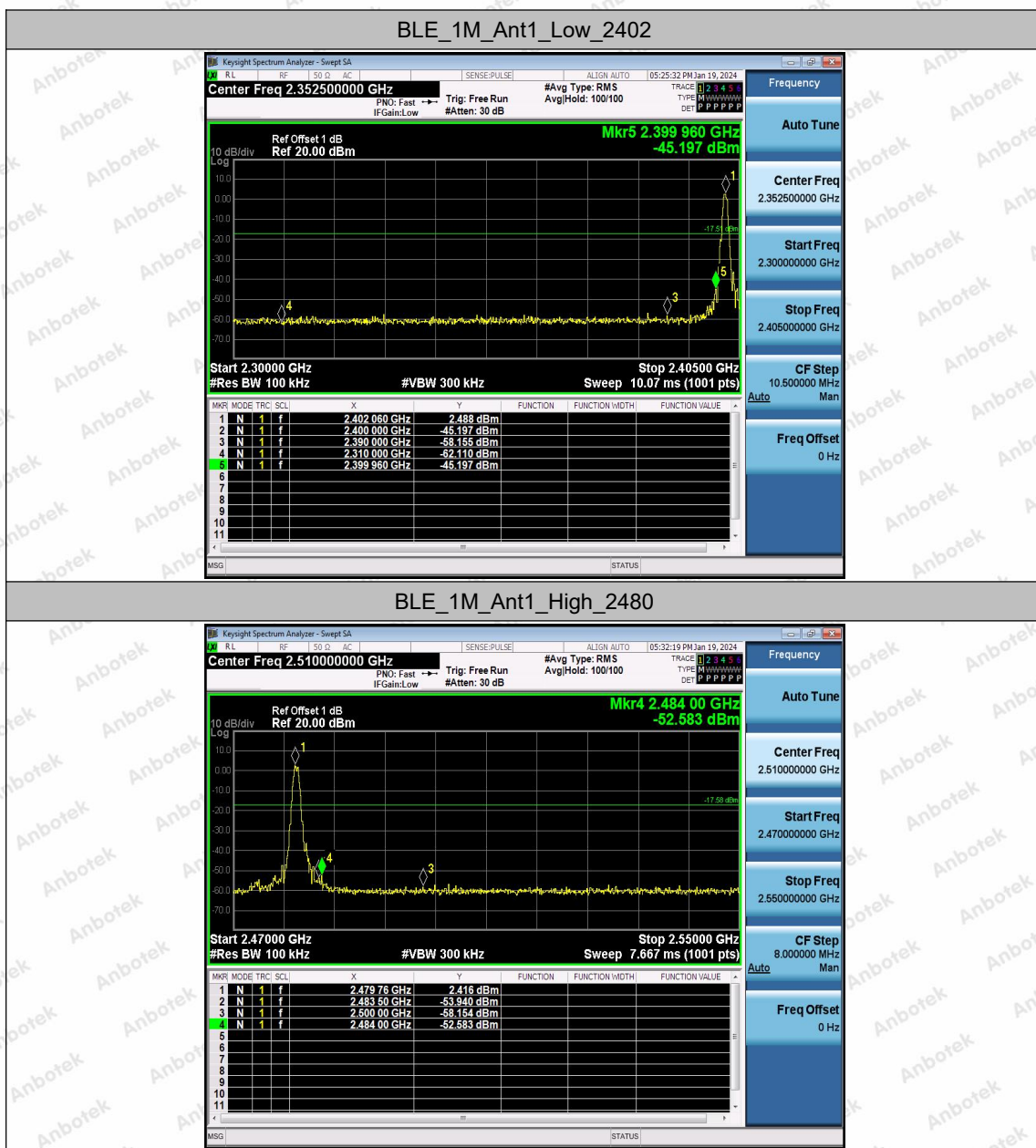


## Appendix E: Band edge measurements

### Test Result

TestMod e	Antenn a	ChNam e	Frequency[MHz ]	RefLevel[dBm ]	Result[dBm ]	Limit[dBm ]	Verdic t
BLE_1M	Ant1	Low	2402	2.49	-45.2	≤-17.51	PASS
		High	2480	2.42	-52.58	≤-17.58	PASS

### Test Graphs



## 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	1.59	1.59	---	PASS
			30~1000	1.59	-49.47	≤-18.41	PASS
			1000~26500	1.59	-36.65	≤-18.41	PASS
		2440	Reference	1.36	1.36	---	PASS
			30~1000	1.36	-49.46	≤-18.64	PASS
			1000~26500	1.36	-39.38	≤-18.64	PASS
		2480	Reference	1.54	1.54	---	PASS
			30~1000	1.54	-49.39	≤-18.46	PASS
			1000~26500	1.54	-34.69	≤-18.46	PASS

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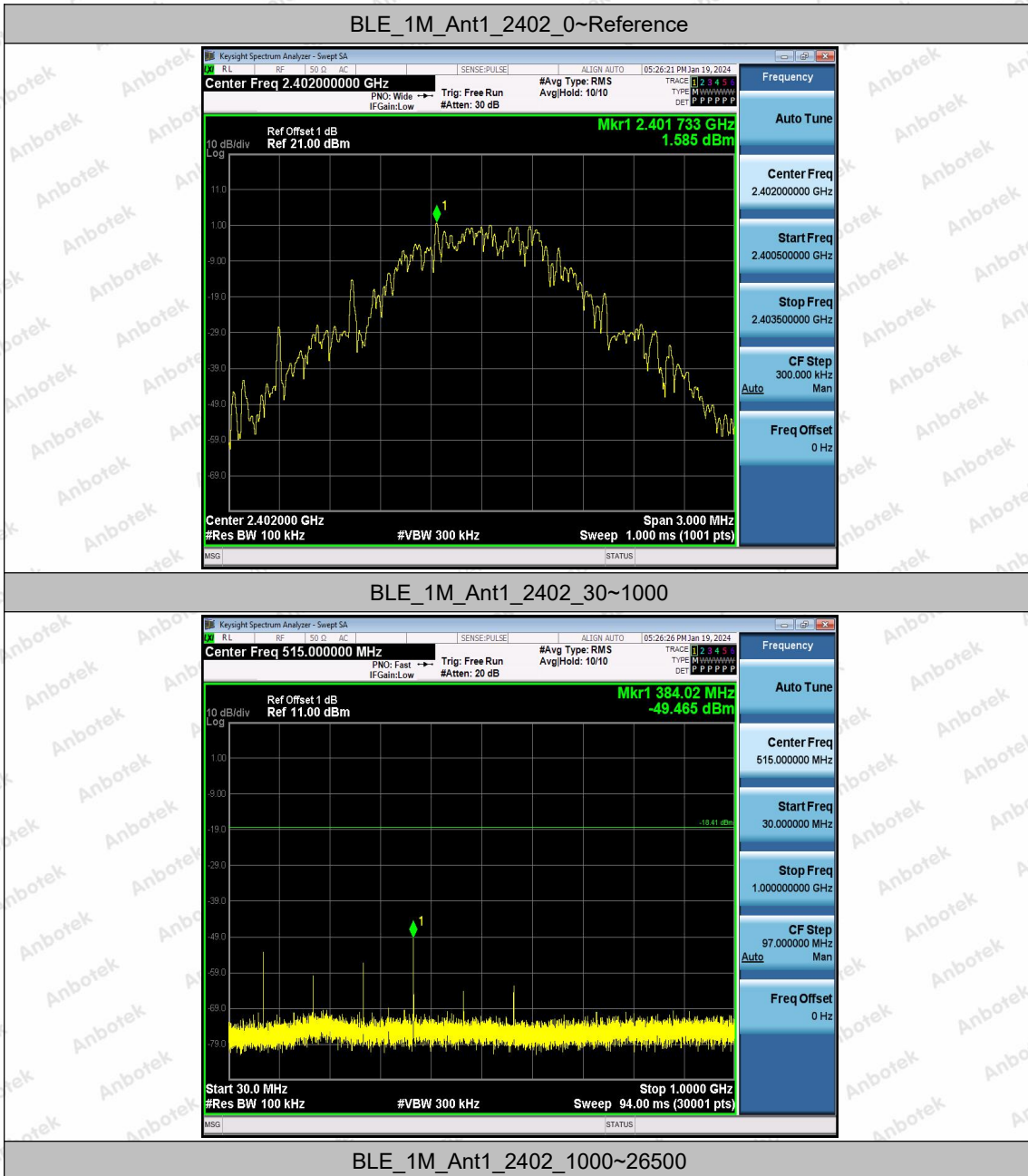
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## Test Graphs



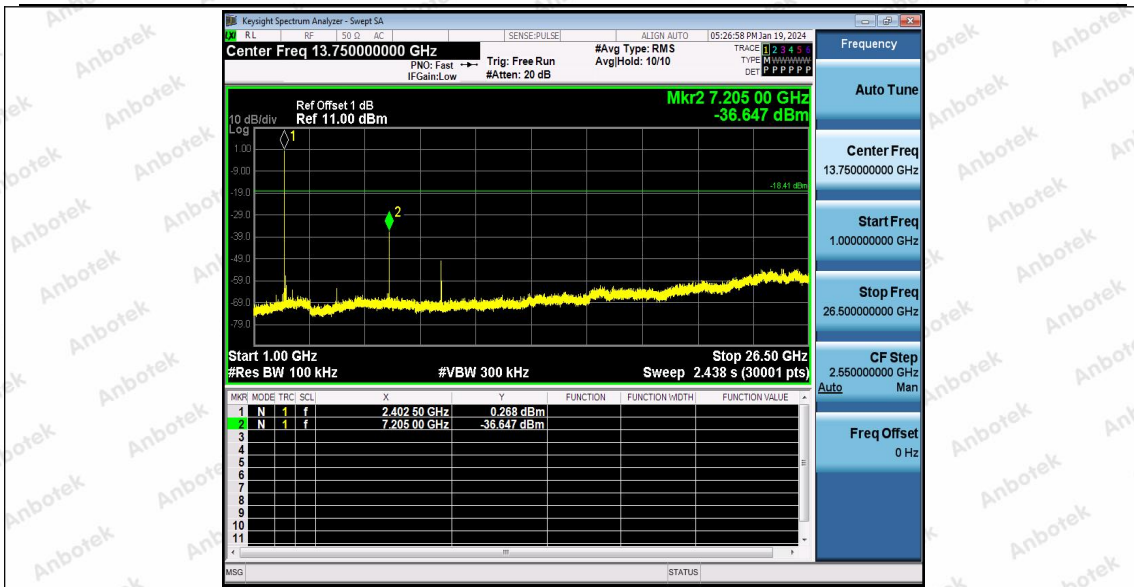
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BLE\_1M\_Ant1\_2440\_0~Reference



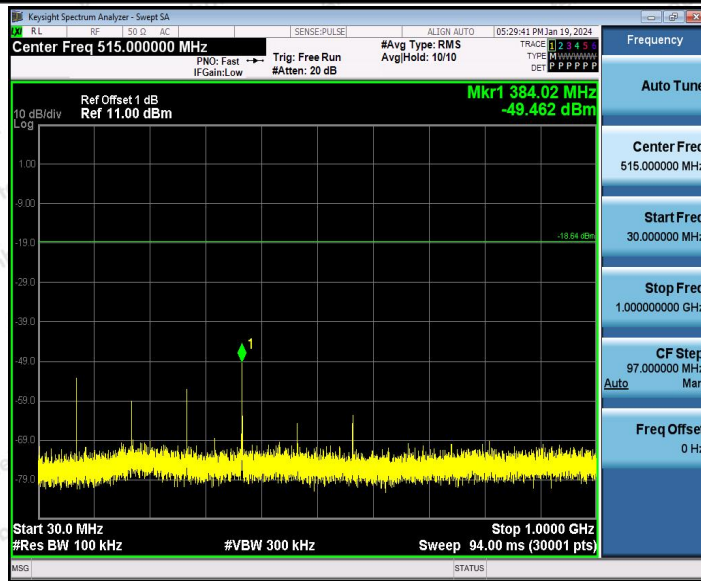
BLE\_1M\_Ant1\_2440\_30~1000

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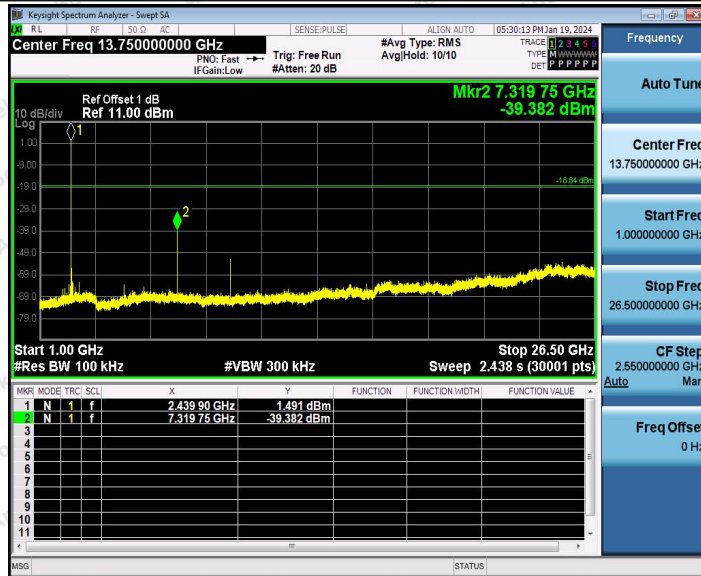
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BLE\_1M\_Ant1\_2440\_1000~26500



BLE\_1M\_Ant1\_2480\_0~Reference

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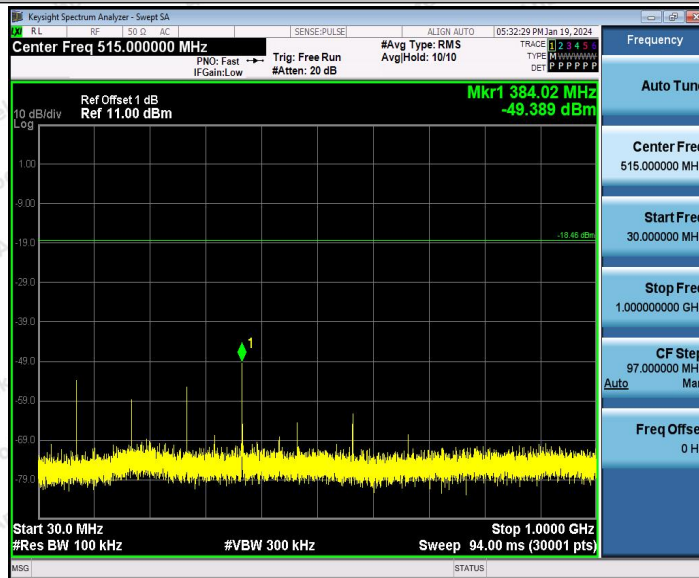
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BLE\_1M\_Ant1\_2480\_30~1000



BLE\_1M\_Ant1\_2480\_1000~26500

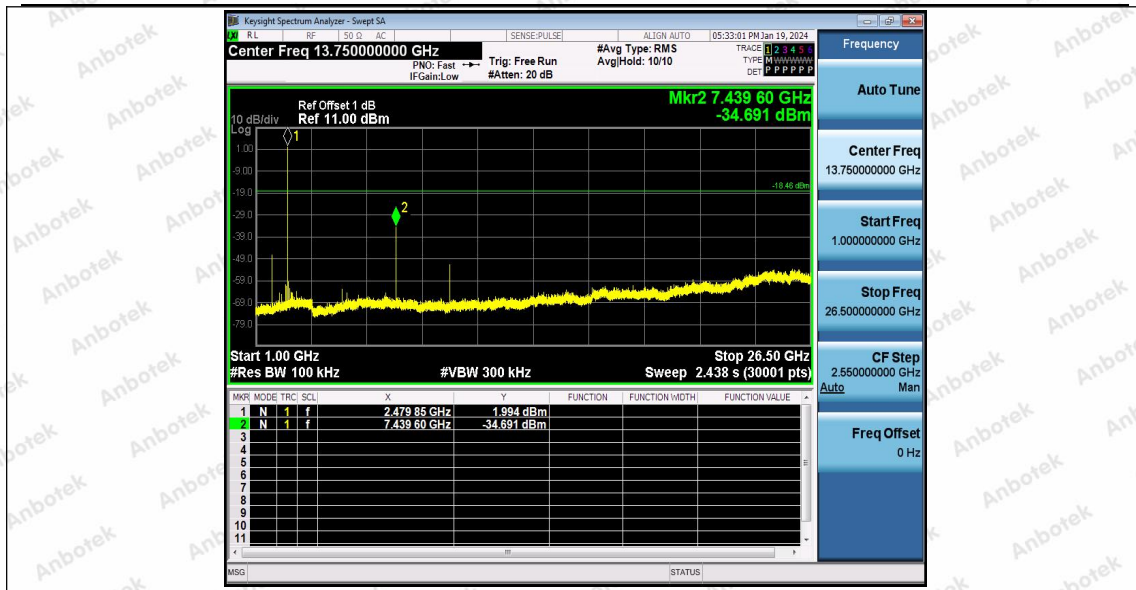
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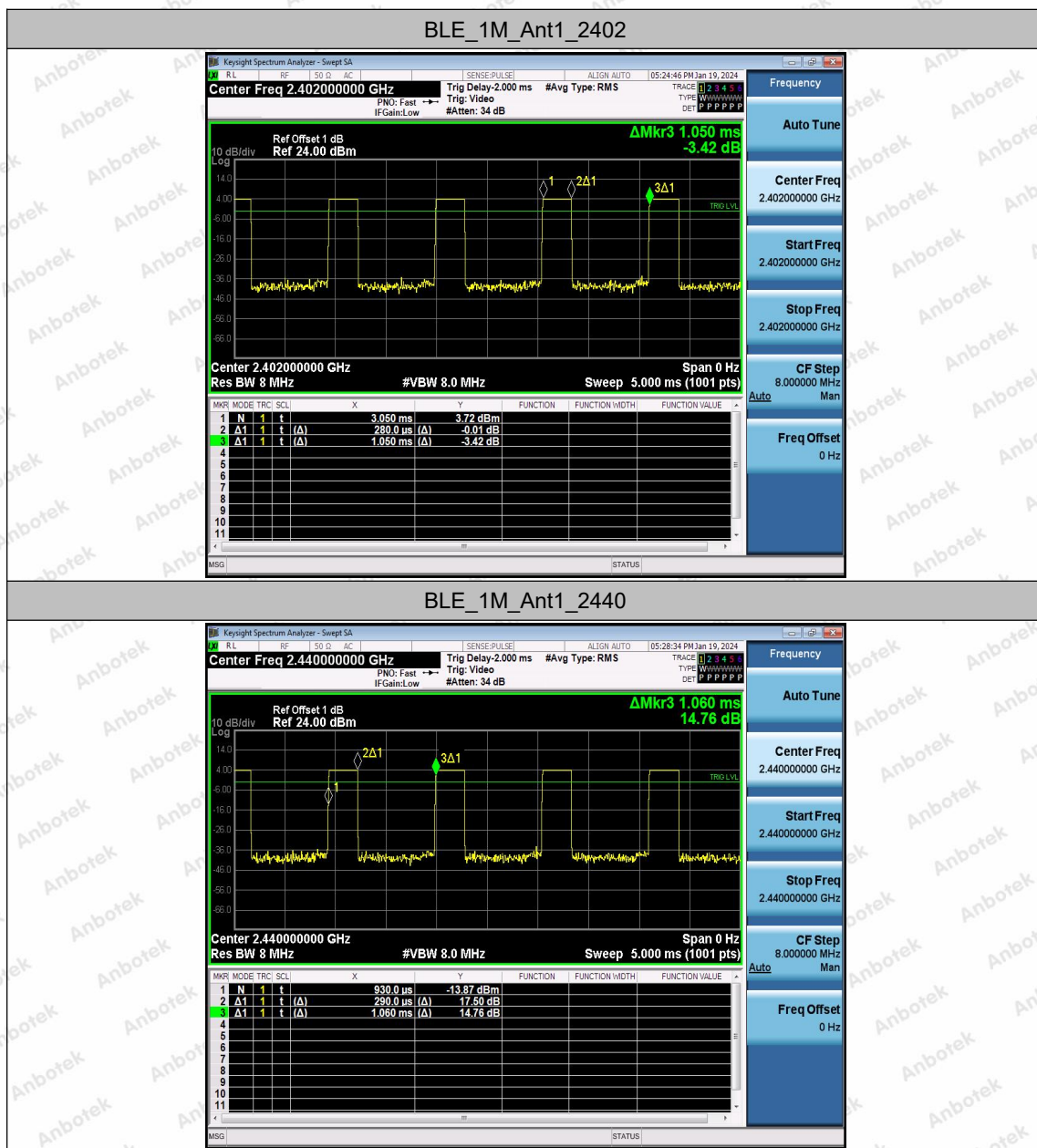


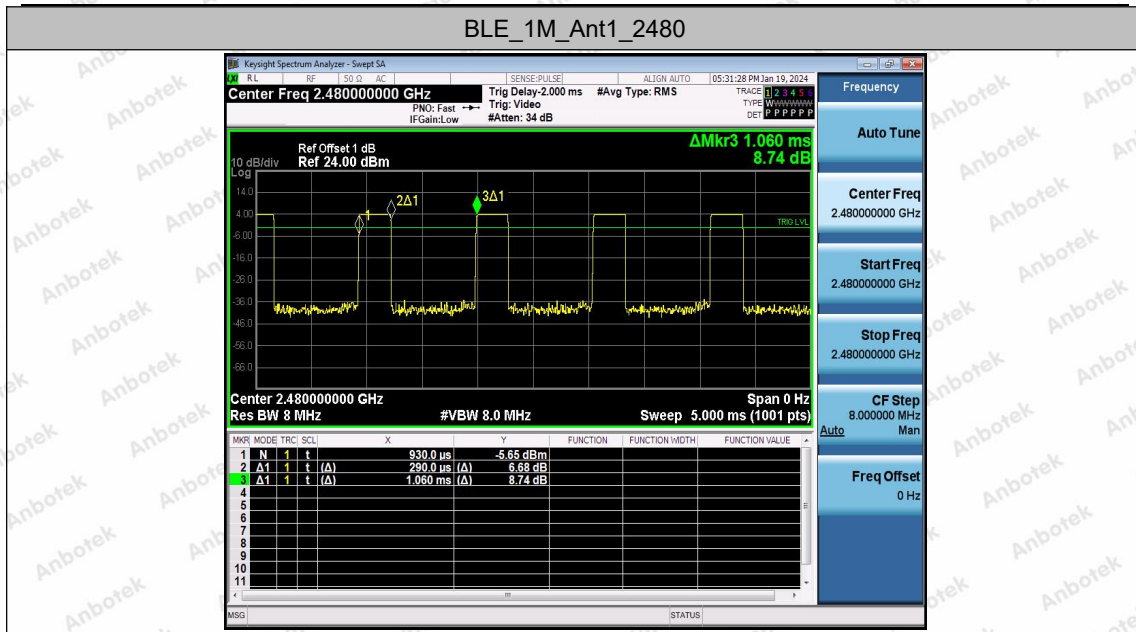
## Appendix G: Duty Cycle

### Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.28	1.05	26.67	5.74
		2440	0.29	1.06	27.36	5.63
		2480	0.29	1.06	27.36	5.63

### Test Graphs





---end---

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