

Appendix Test Data

Report No.:	18220WC20074501	Test Sample No.:	1-2-2
Start Test Date:	2022.4.12	Finish Test Date:	2022.4.15
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

Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.528	2401.736	2402.264	≥0.5	PASS
		2440	0.664	2439.732	2440.396	≥0.5	PASS
		2480	0.696	2479.720	2480.416	≥0.5	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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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	1.0575	2401.539	2402.597	---	PASS
		2440	1.0441	2439.548	2440.592	---	PASS
		2480	1.0225	2479.561	2480.584	---	PASS

Test Graphs



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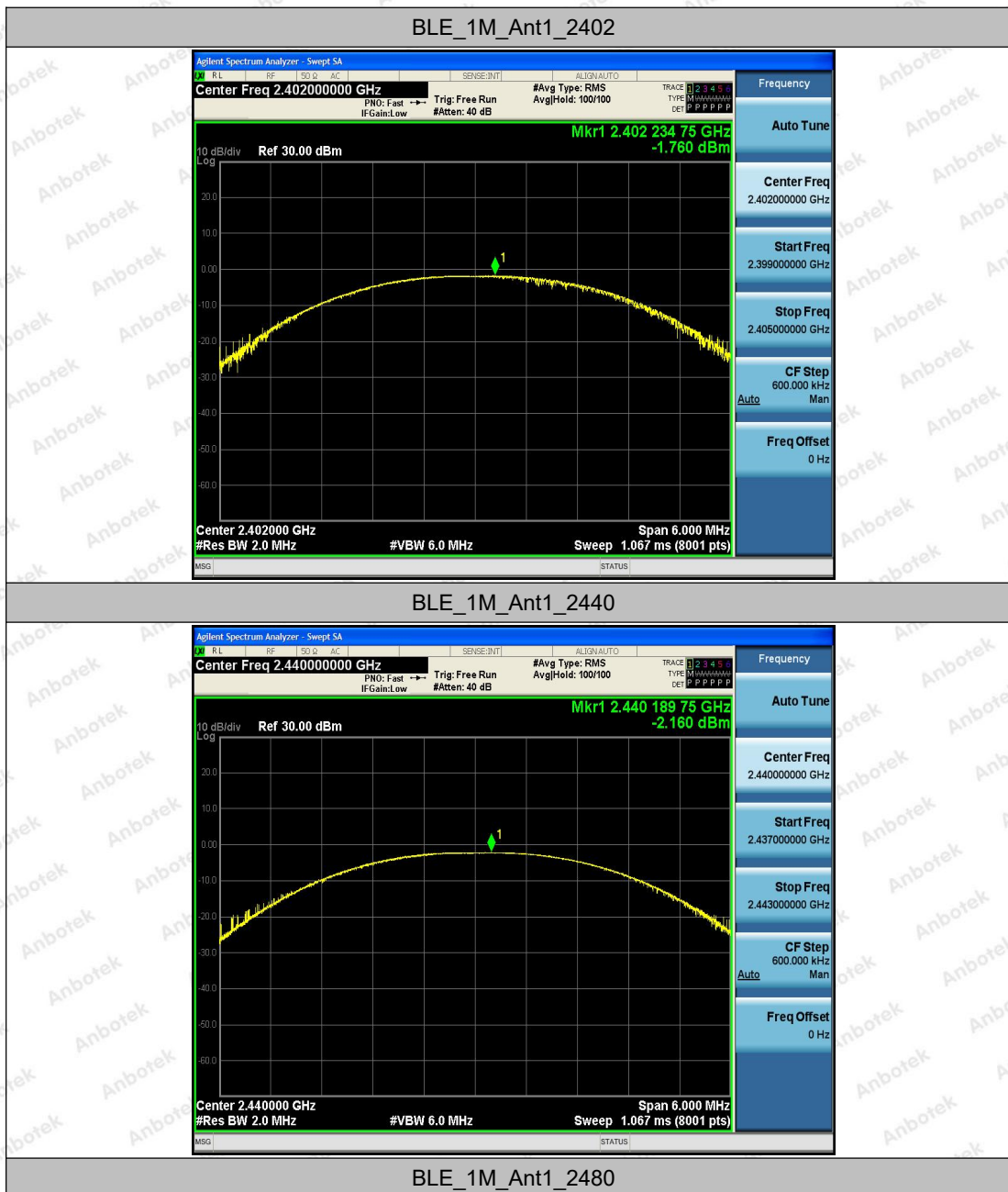
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Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-1.76	≤30	PASS
		2440	-2.16	≤30	PASS
		2480	-1.91	≤30	PASS

Test Graphs

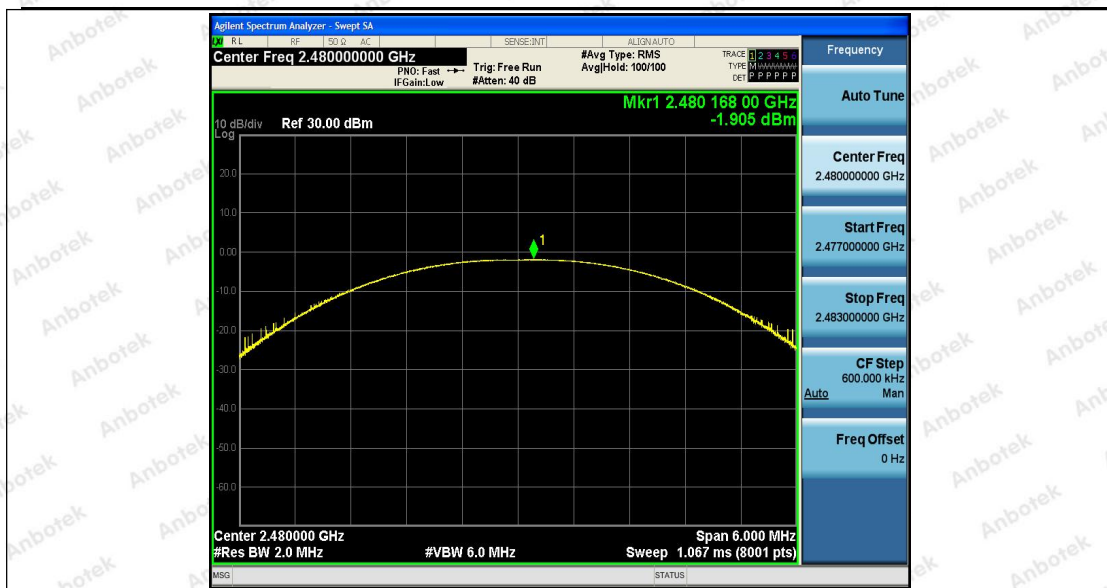


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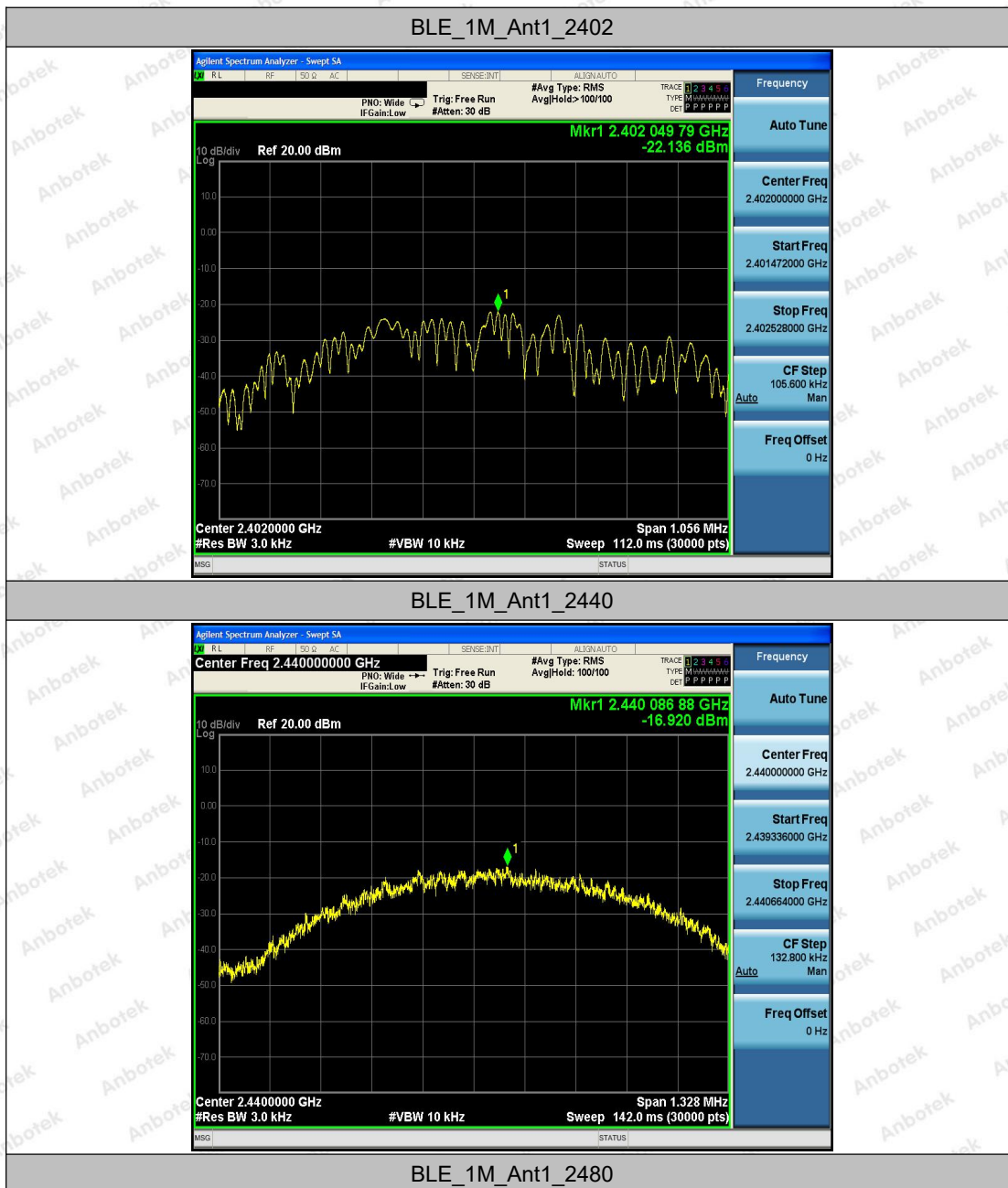
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Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-22.14	≤8	PASS
		2440	-16.92	≤8	PASS
		2480	-16.82	≤8	PASS

Test Graphs





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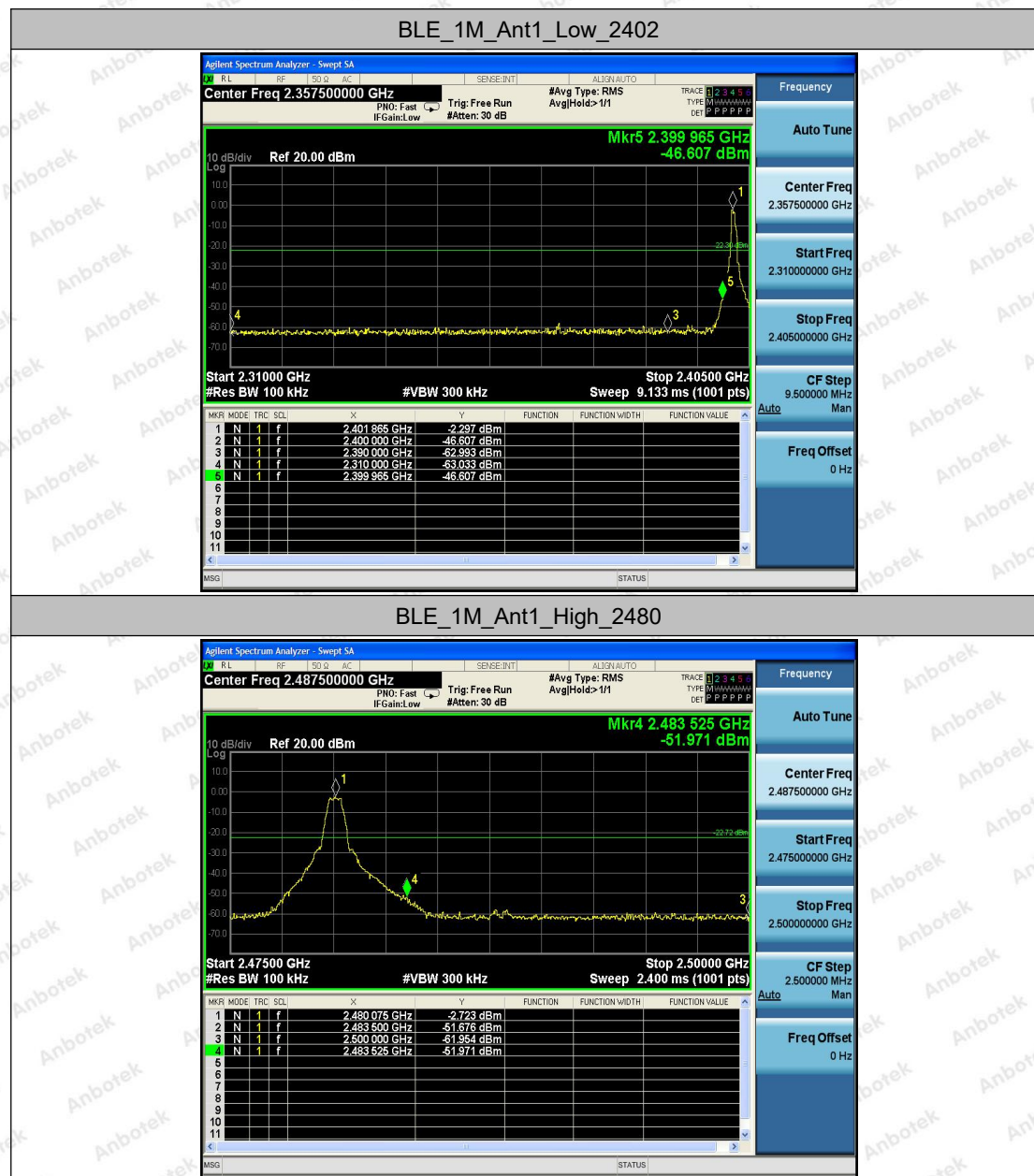
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch Name	Channel	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-2.30	-46.61	≤ -22.3	PASS
		High	2480	-2.72	-51.97	≤ -22.72	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

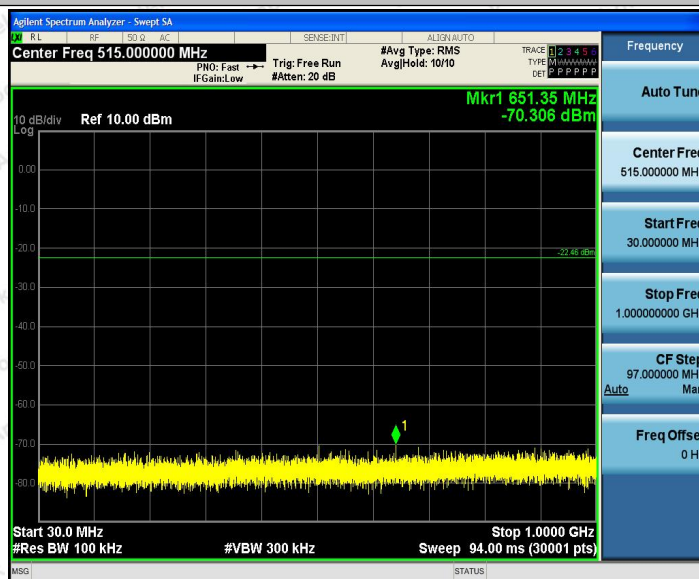
Test Mode	Antenna	Channel	Freq Range [MHz]	Ref Level [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-2.46	-2.46	---	PASS
			30~1000	-2.46	-70.31	≤-22.46	PASS
			1000~26500	-2.46	-55.04	≤-22.46	PASS
		2440	Reference	-3.22	-3.22	---	PASS
			30~1000	-3.22	-70.65	≤-23.22	PASS
			1000~26500	-3.22	-55.62	≤-23.22	PASS
		2480	Reference	-2.94	-2.94	---	PASS
			30~1000	-2.94	-70.75	≤-22.94	PASS
			1000~26500	-2.94	-53.75	≤-22.94	PASS

Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

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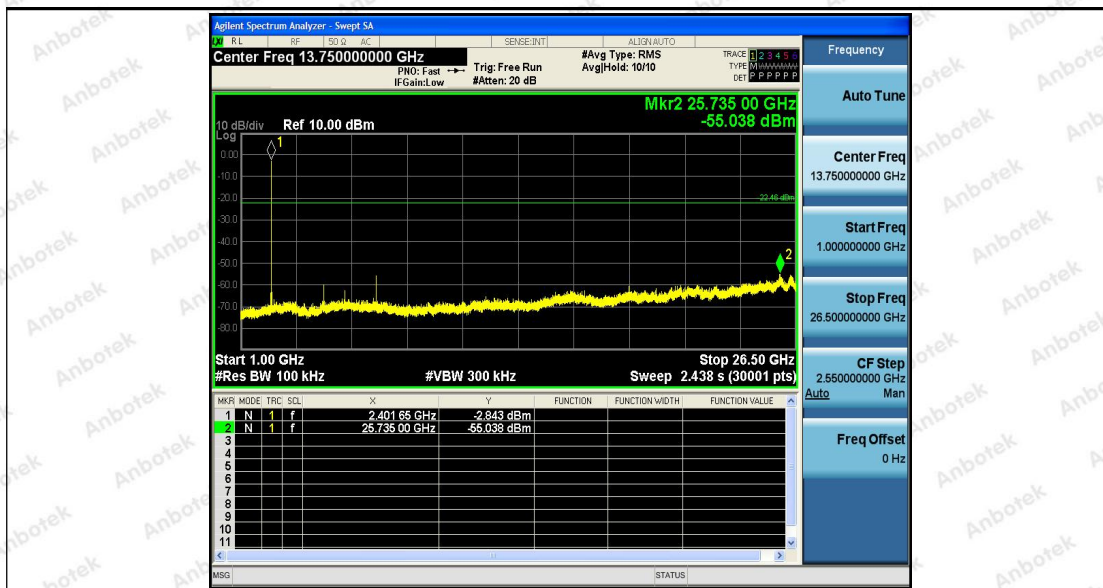
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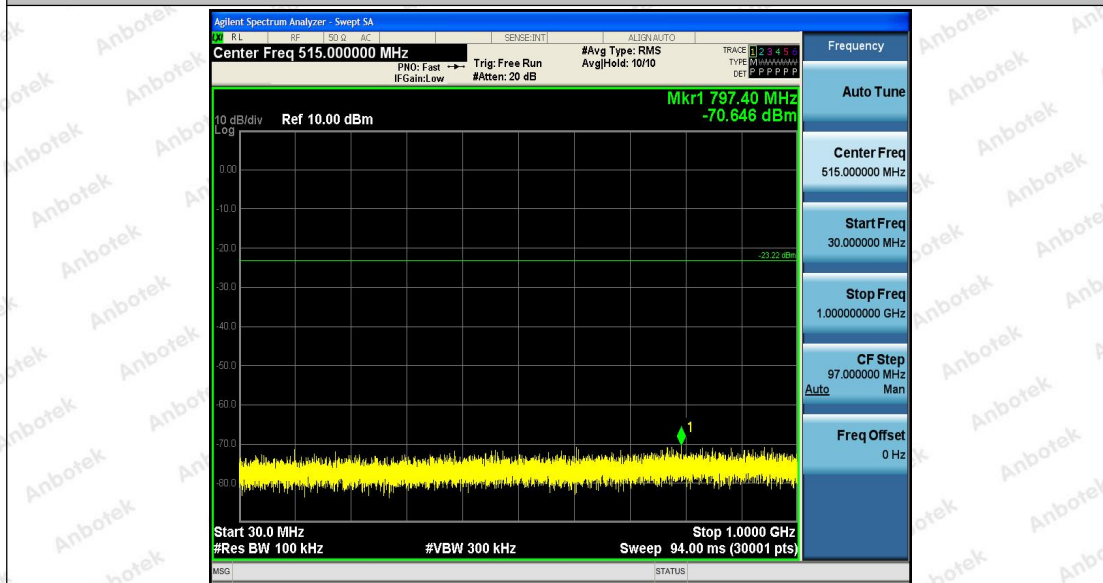
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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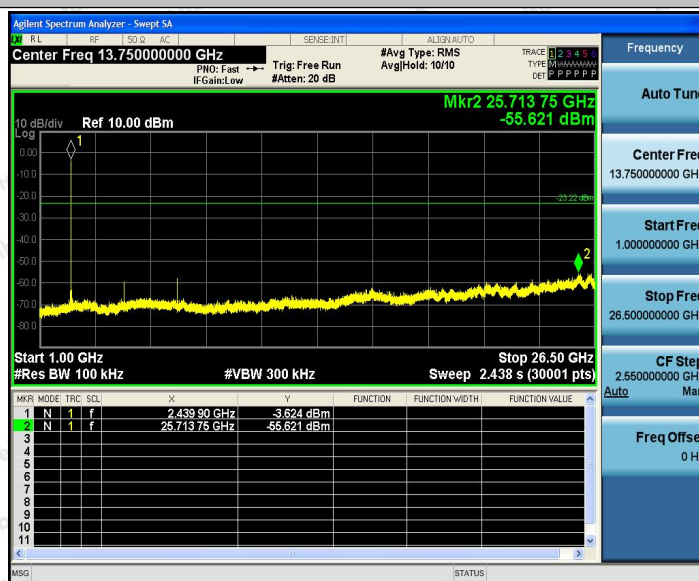


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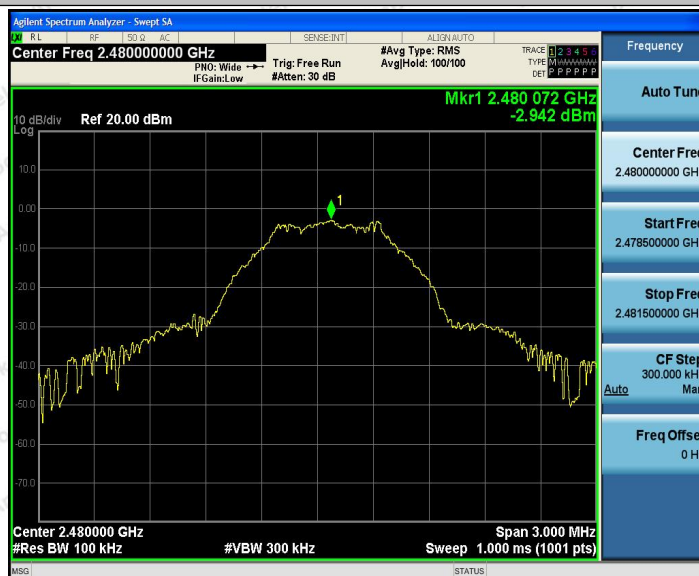
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



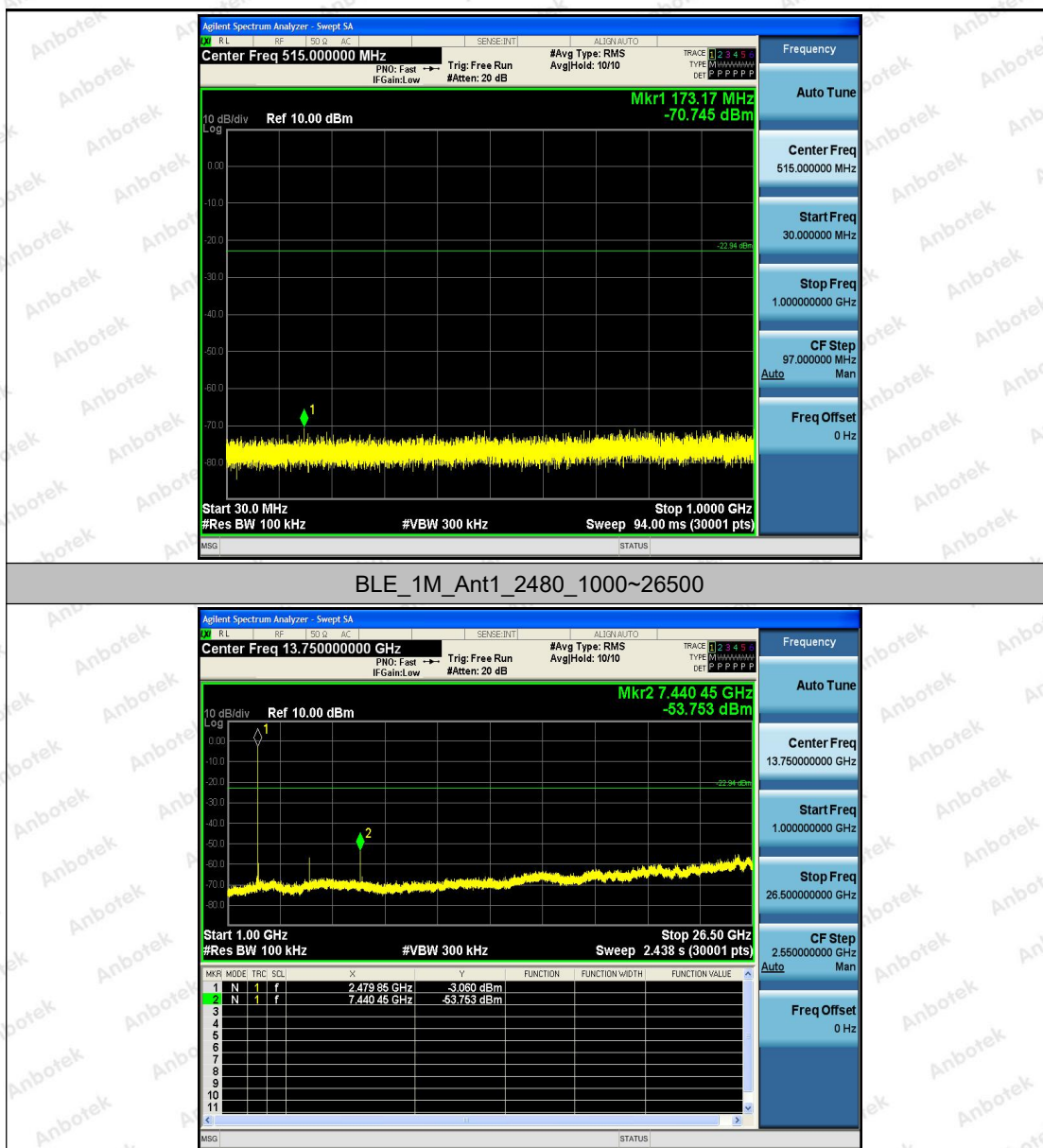
BLE_1M_Ant1_2480_30~1000

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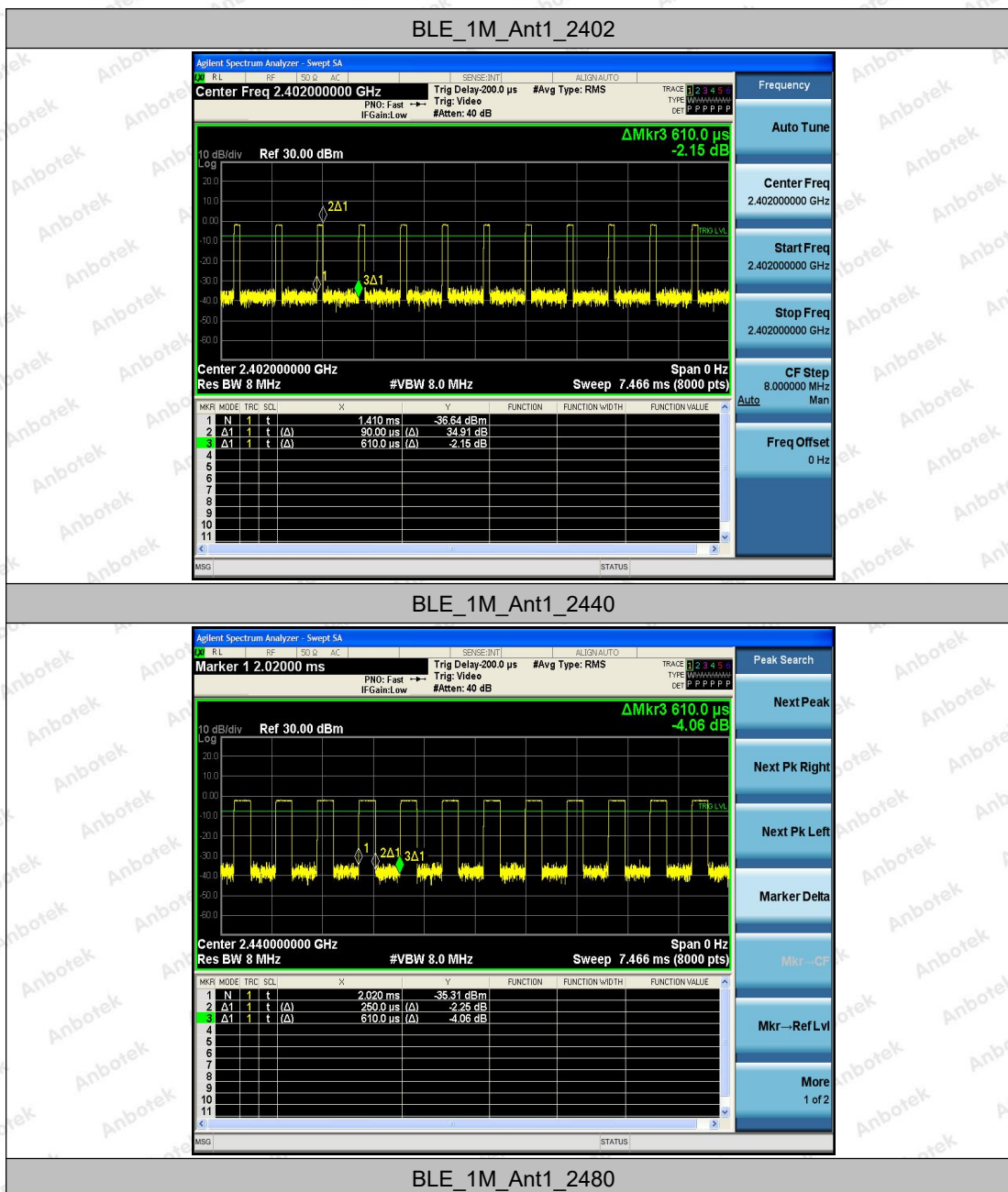
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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	X Factor	Limit	Verdict
BLE_1M	Ant1	2402	0.09	0.61	0.1475	14.75	8.31	---	PASS
		2440	0.25	0.61	0.4098	40.98	3.87	---	PASS
		2480	0.41	0.61	0.6721	67.21	1.73	---	PASS

Test Graphs

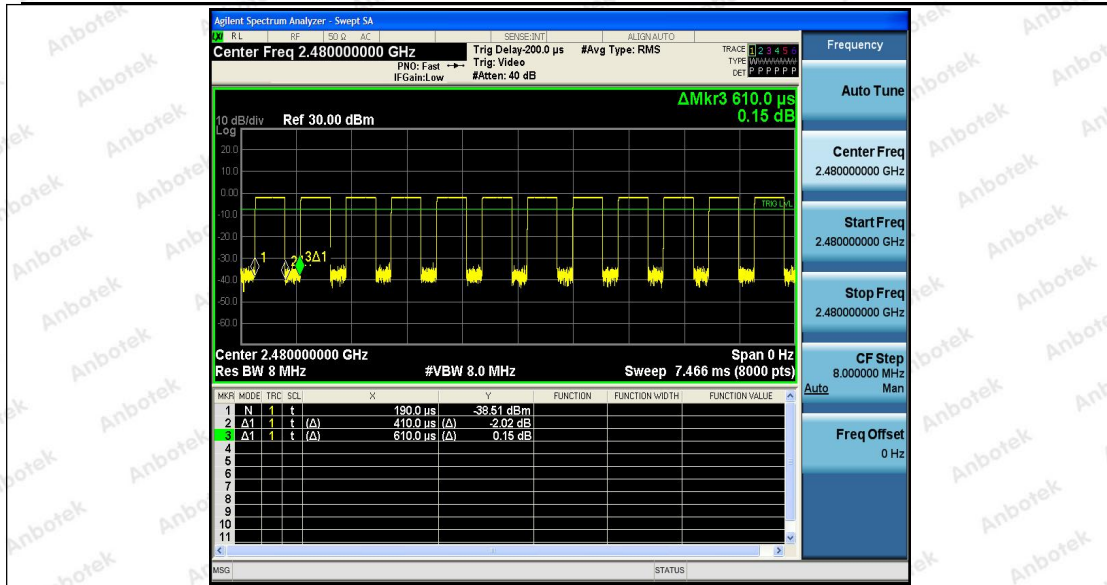


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