

Appendix Test Data

Report No.:	18220WC20013101	Test Sample No.:	1-2-2
Start Test Date:	2022.1.25	Finish Test Date:	2022.2.14
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	22.3℃	Relative Humidity:	56 %
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	0.680	2401.672	2402.352	≥0.5	PASS
		2440	0.584	2439.744	2440.328	≥0.5	PASS
		2480	0.612	2479.720	2480.332	≥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

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0393	2401.492	2402.531	---	PASS
		2440	1.0480	2439.489	2440.537	---	PASS
		2480	1.0290	2479.494	2480.523	---	PASS

Test Graphs



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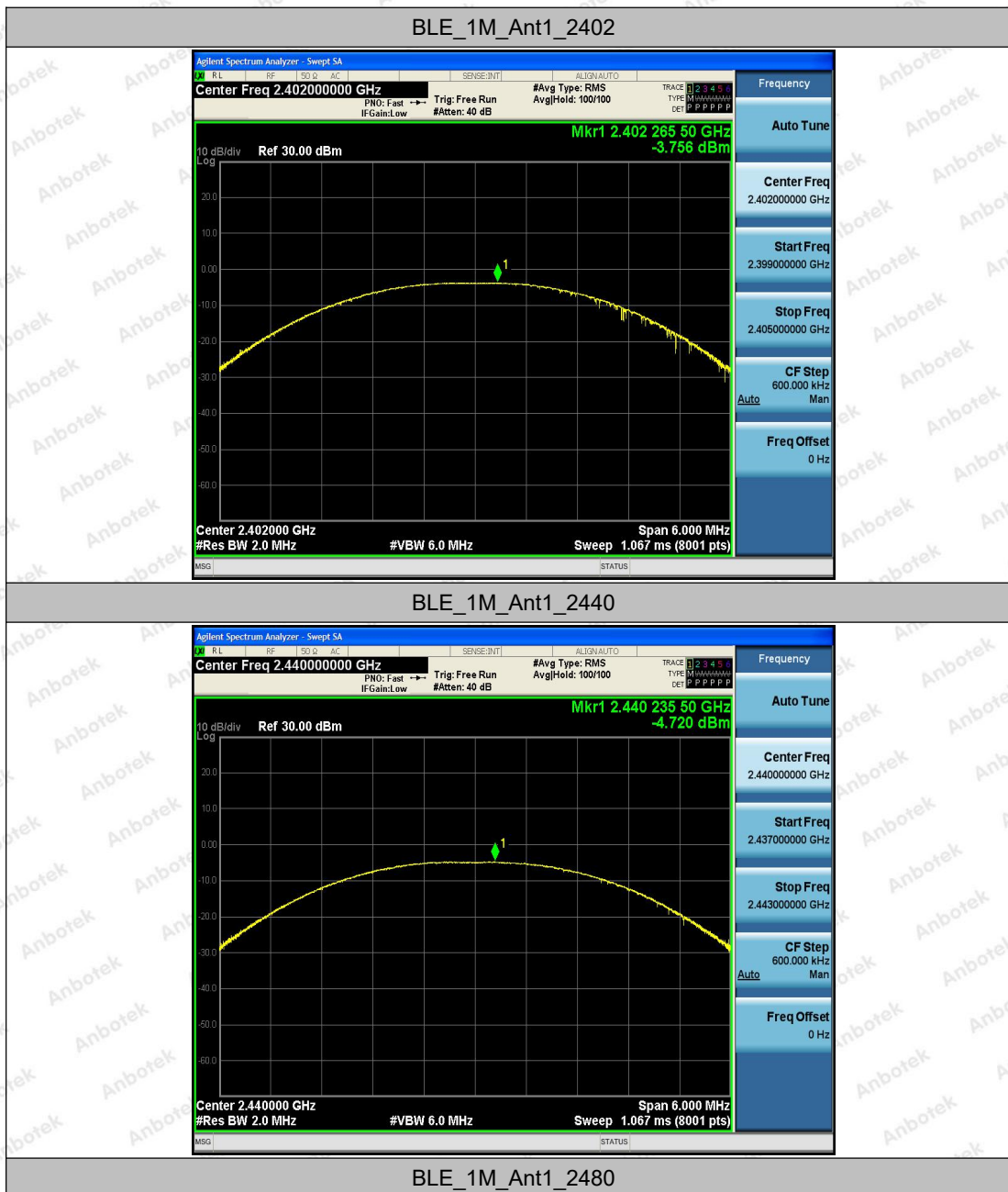
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-3.76	≤30	PASS
		2440	-4.72	≤30	PASS
		2480	-5.02	≤30	PASS

Test Graphs

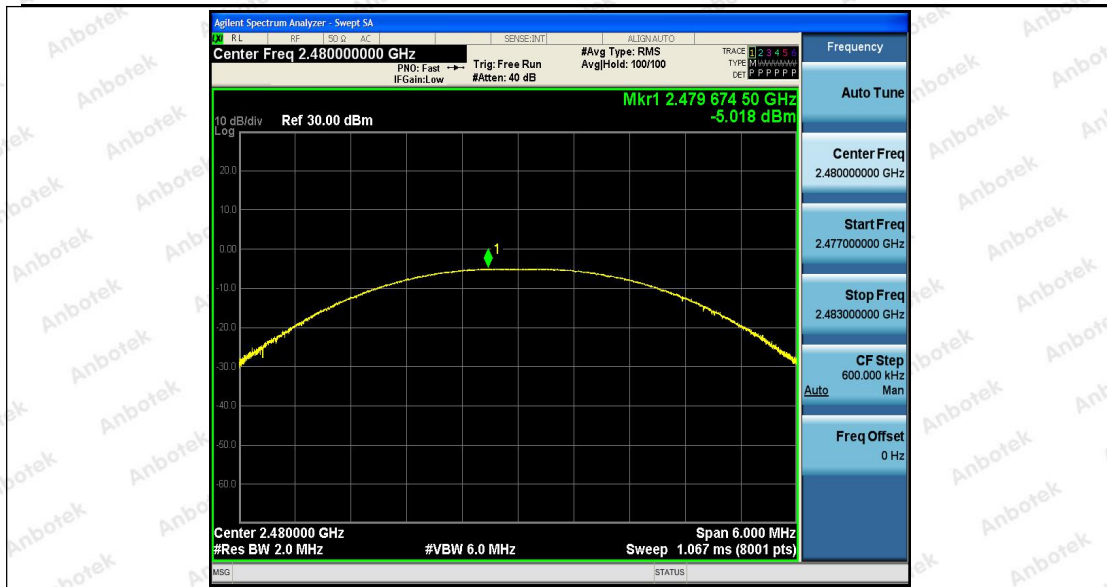


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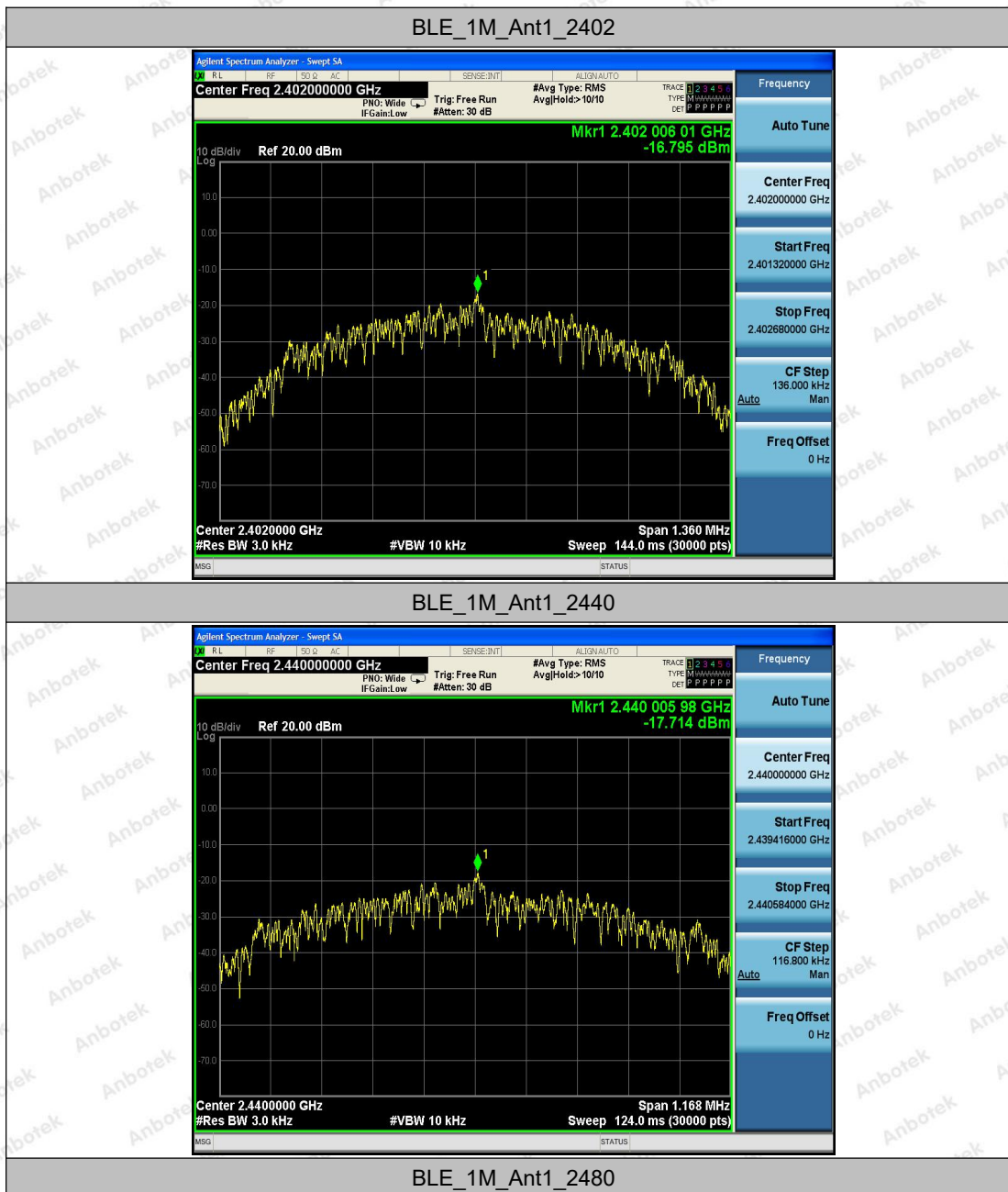
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-16.8	≤8	PASS
		2440	-17.71	≤8	PASS
		2480	-18.07	≤8	PASS

Test Graphs



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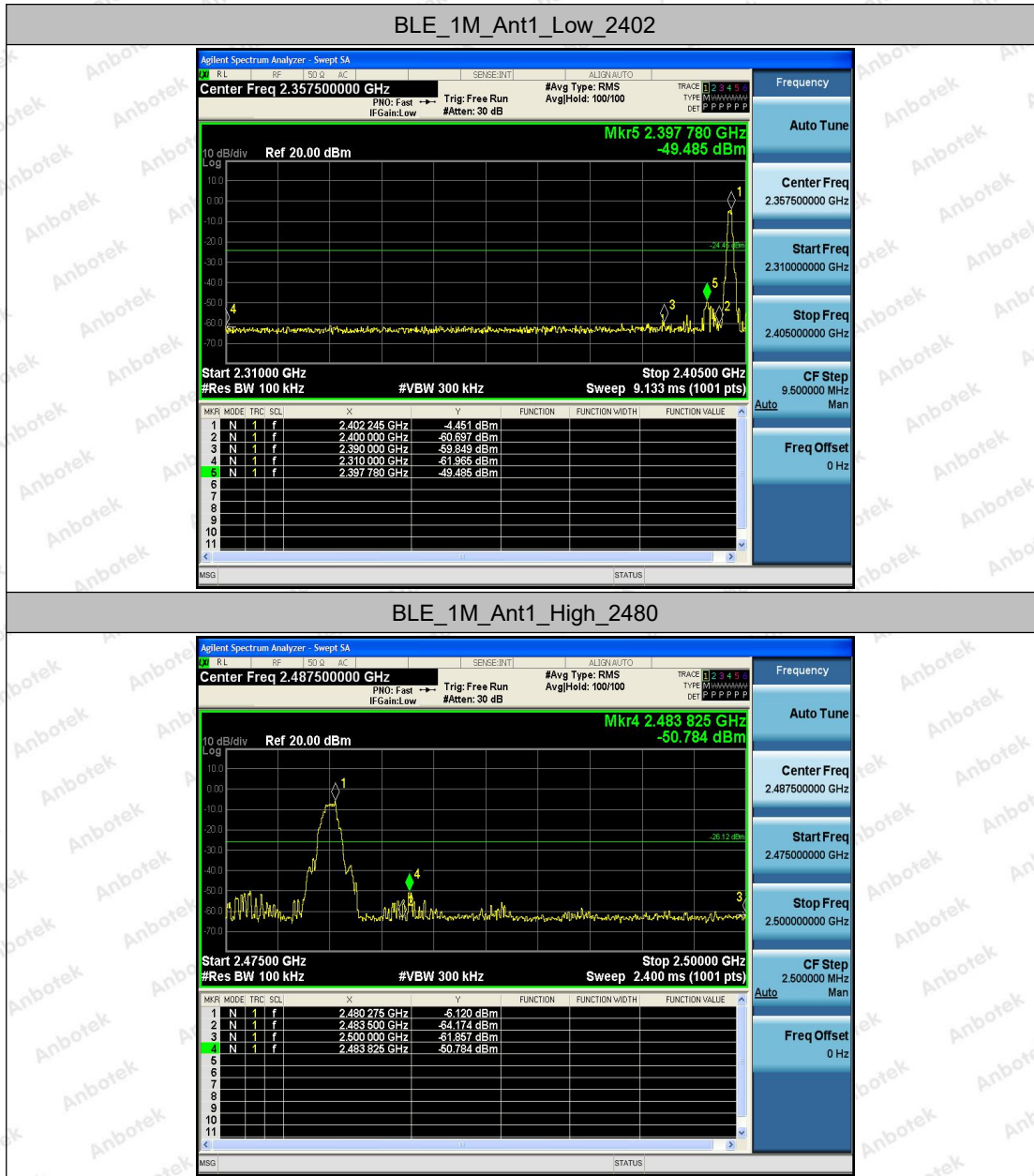
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-4.45	-49.49	≤-24.45	PASS
		High	2480	-6.12	-50.78	≤-26.12	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

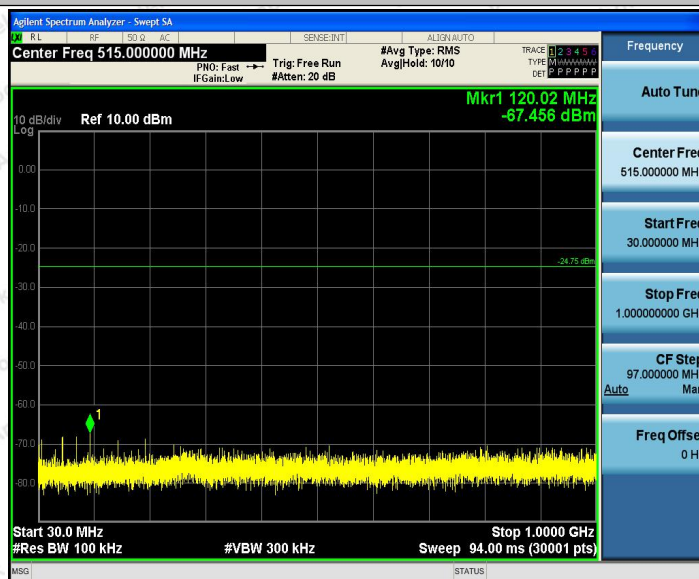
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-4.75	-4.75	---	PASS
			30~1000	-4.75	-67.46	≤-24.75	PASS
			1000~265 00	-4.75	-47.06	≤-24.75	PASS
		2440	Reference	-5.73	-5.73	---	PASS
			30~1000	-5.73	-68.18	≤-25.73	PASS
			1000~265 00	-5.73	-50.04	≤-25.73	PASS
		2480	Reference	-6.04	-6.04	---	PASS
			30~1000	-6.04	-66.77	≤-26.04	PASS
			1000~265 00	-6.04	-47.42	≤-26.04	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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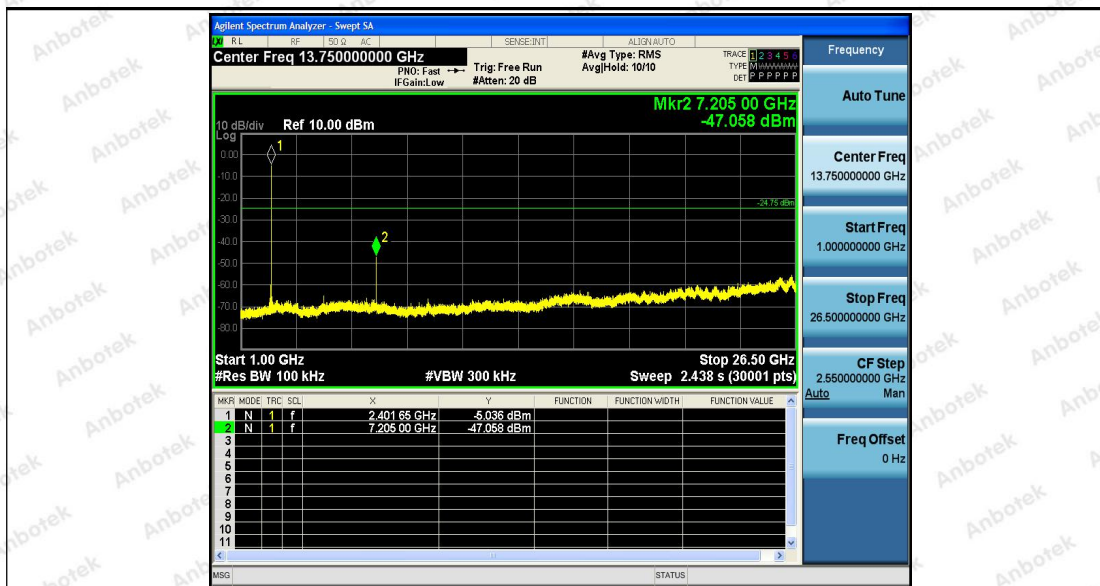
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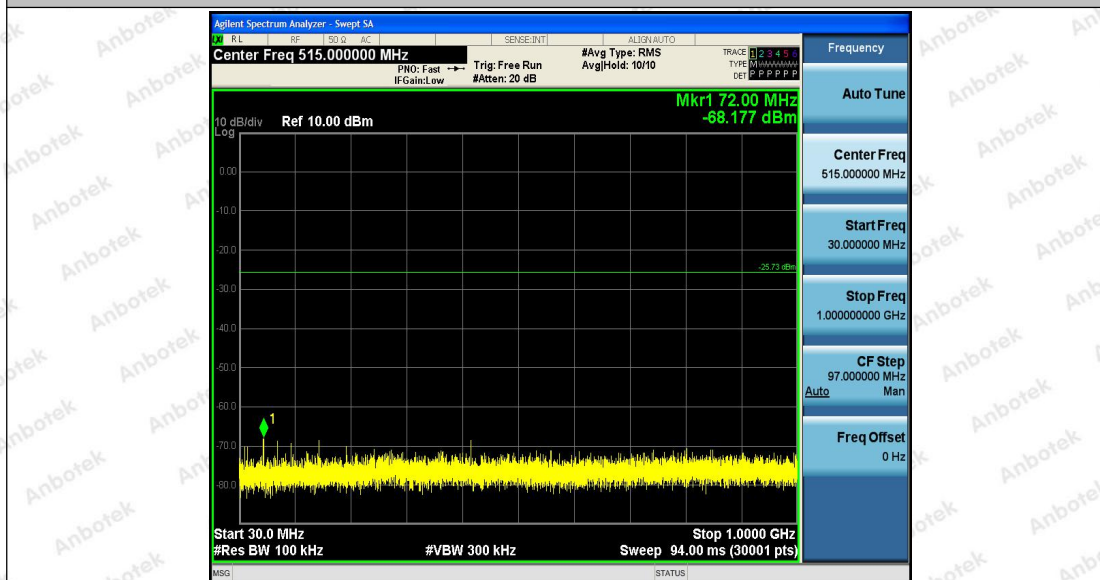
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



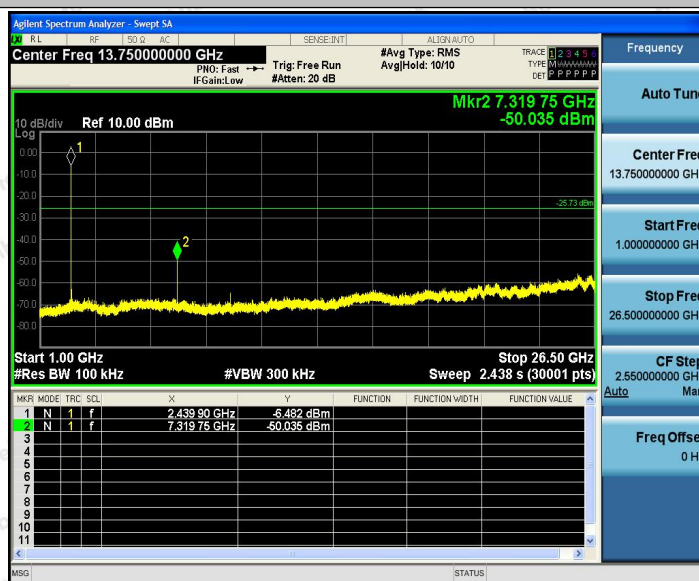
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



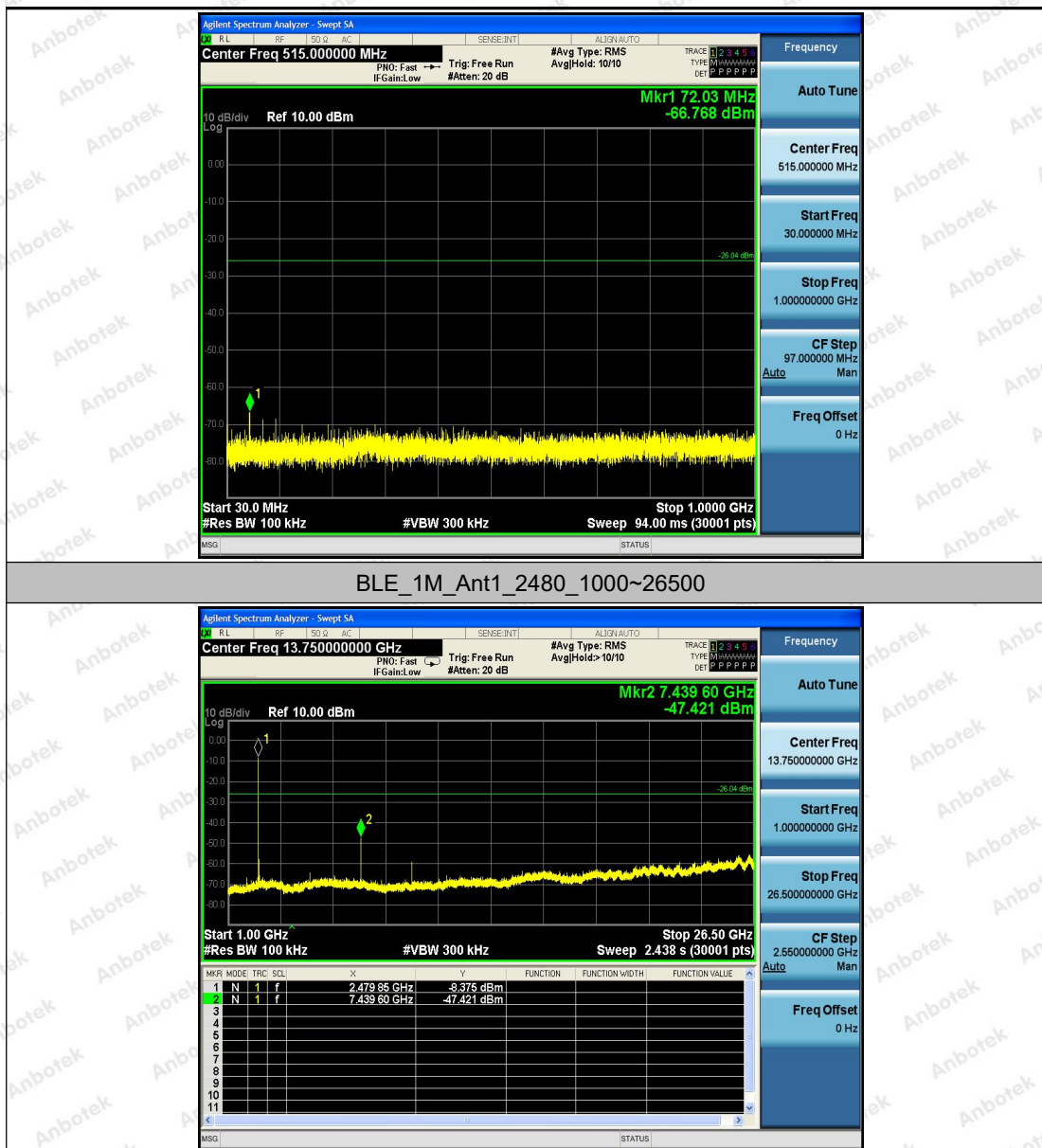
BLE_1M_Ant1_2480_30~1000

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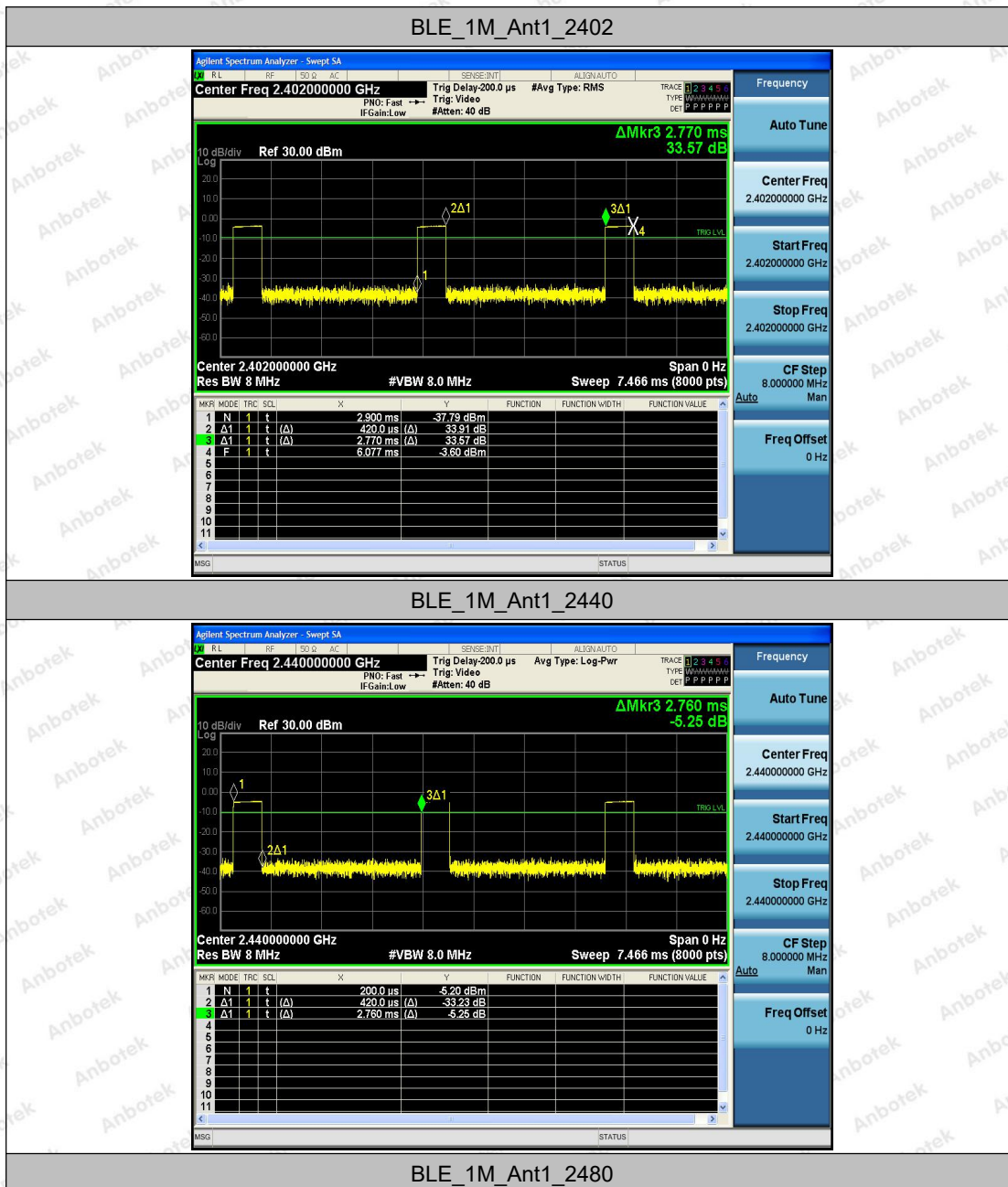
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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.42	2.77	0.151 6	15.16	8.19	---	PASS
		2440	0.42	2.76	0.152 2	15.22	8.18	---	PASS
		2480	0.42	2.77	0.151 6	15.16	8.19	---	PASS

Test Graphs



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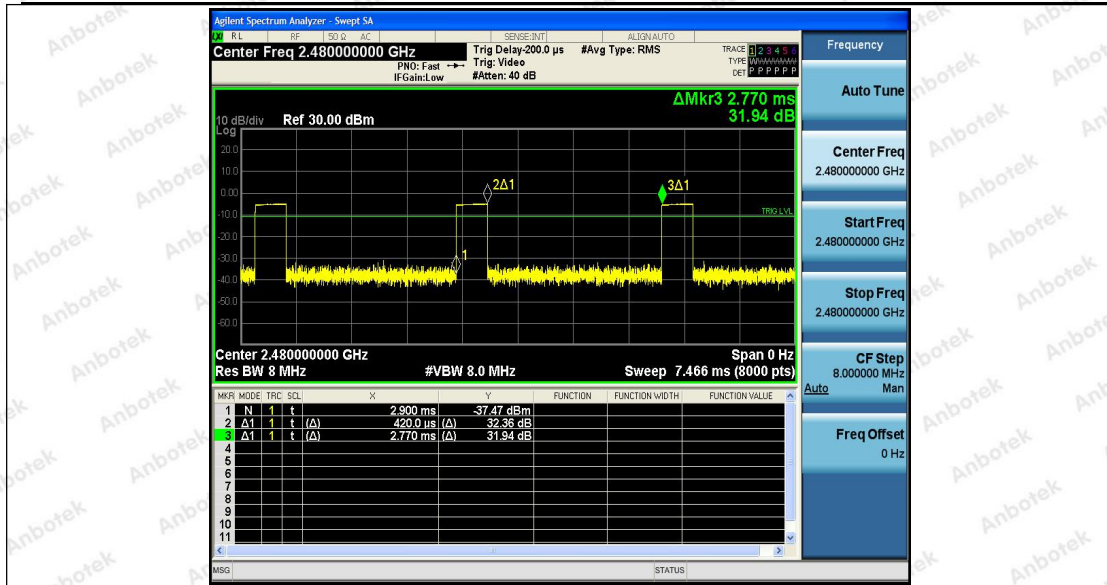
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