

Appendix Test Data

Report No.:	18220WC20009303	Test Sample No.:	1-2-2
Start Test Date:	2022.1.18	Finish Test Date:	2022.1.24
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.3℃	Relative Humidity:	56.2 %
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	0.684	2401.656	2402.340	≥0.5	PASS
		2440	0.688	2439.644	2440.332	≥0.5	PASS
		2480	0.672	2479.660	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	1.0263	2401.495	2402.521	---	PASS
		2440	1.0209	2439.489	2440.510	---	PASS
		2480	1.0262	2479.487	2480.513	---	PASS

Test Graphs



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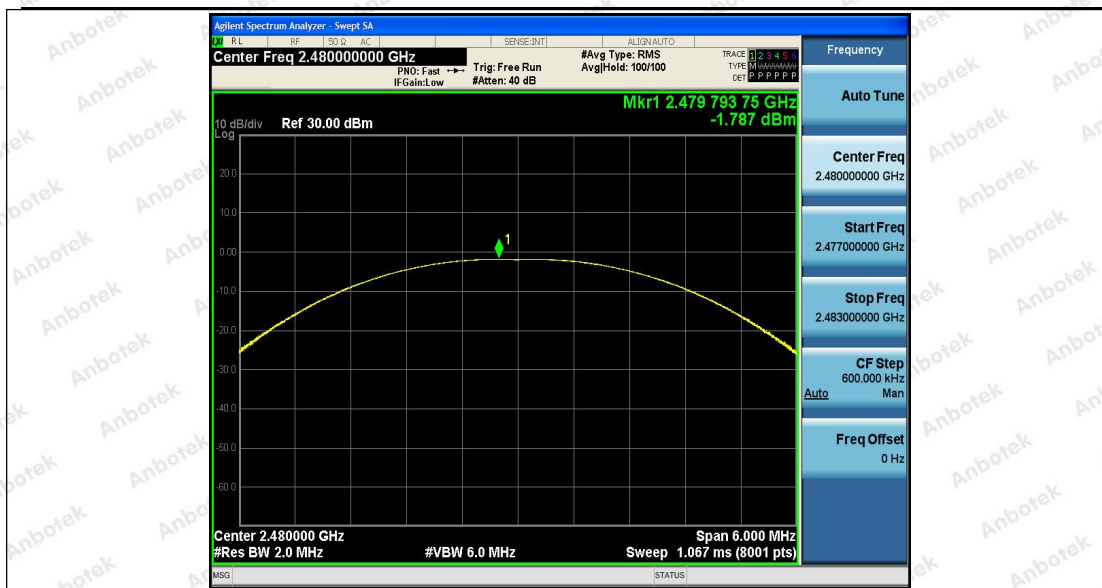
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-2.74	≤30	PASS
		2440	-2.07	≤30	PASS
		2480	-1.79	≤30	PASS



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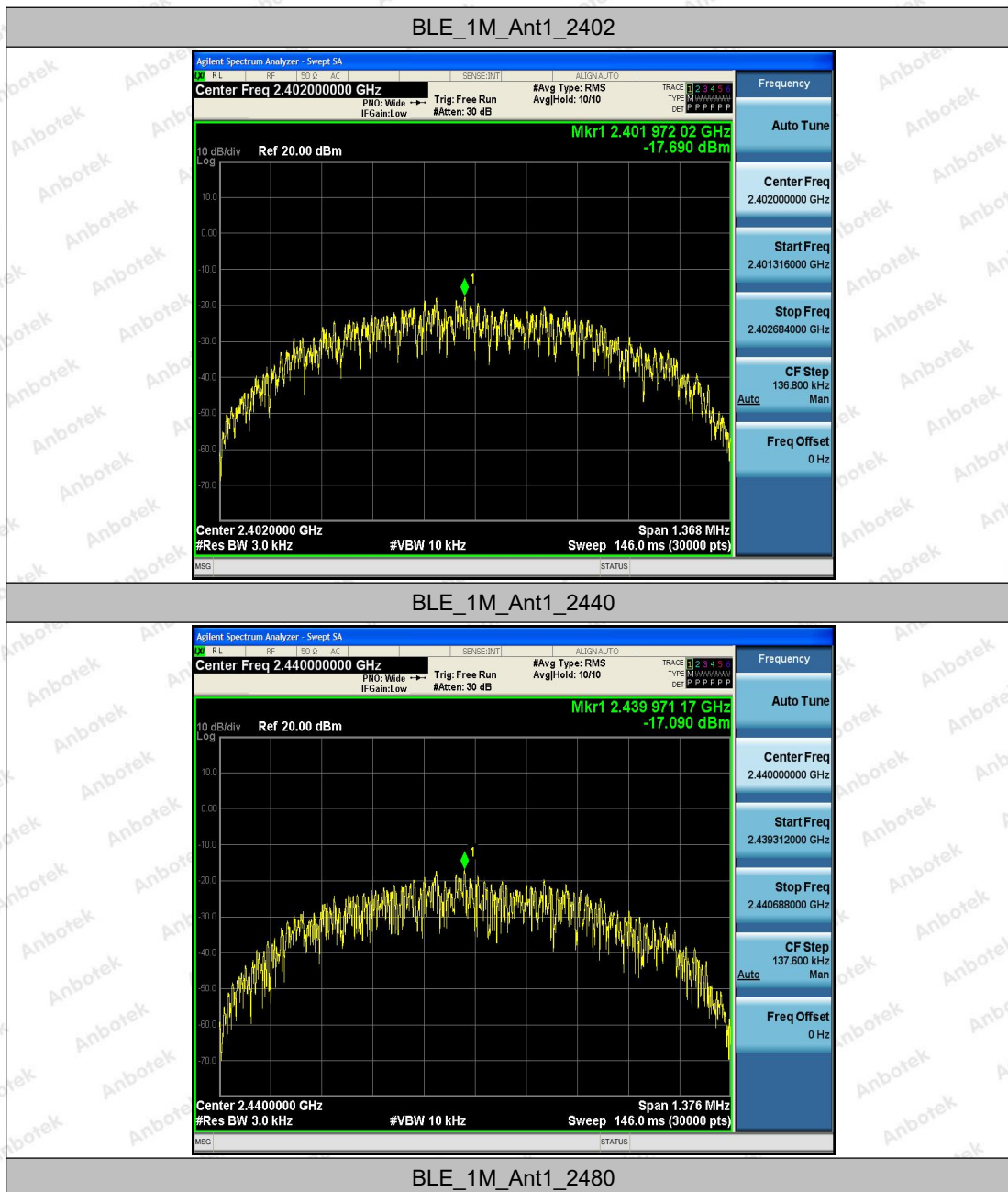
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-17.69	≤8	PASS
		2440	-17.09	≤8	PASS
		2480	-16.82	≤8	PASS

Test Graphs

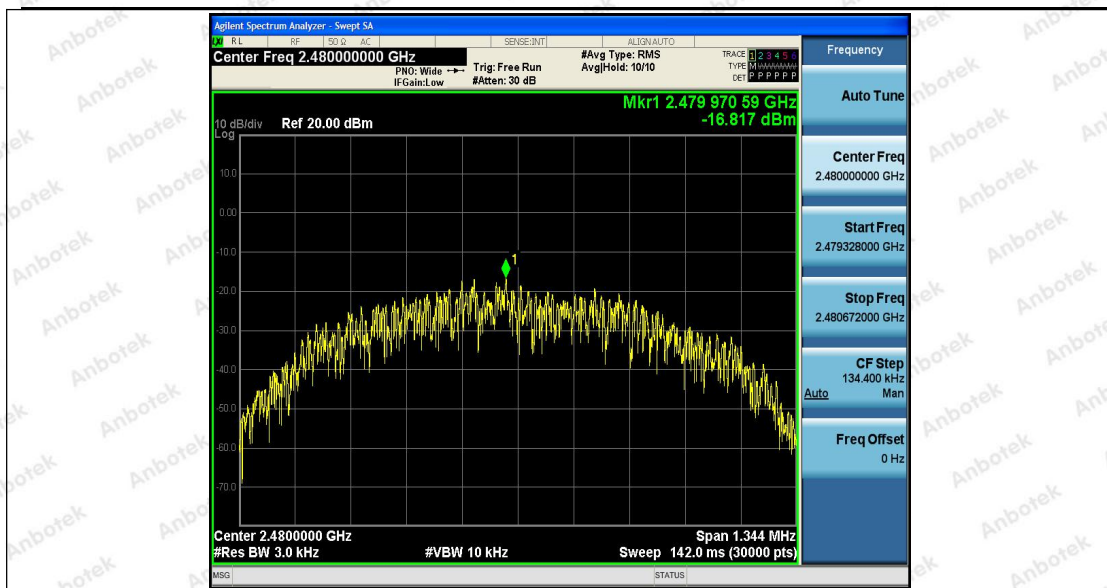


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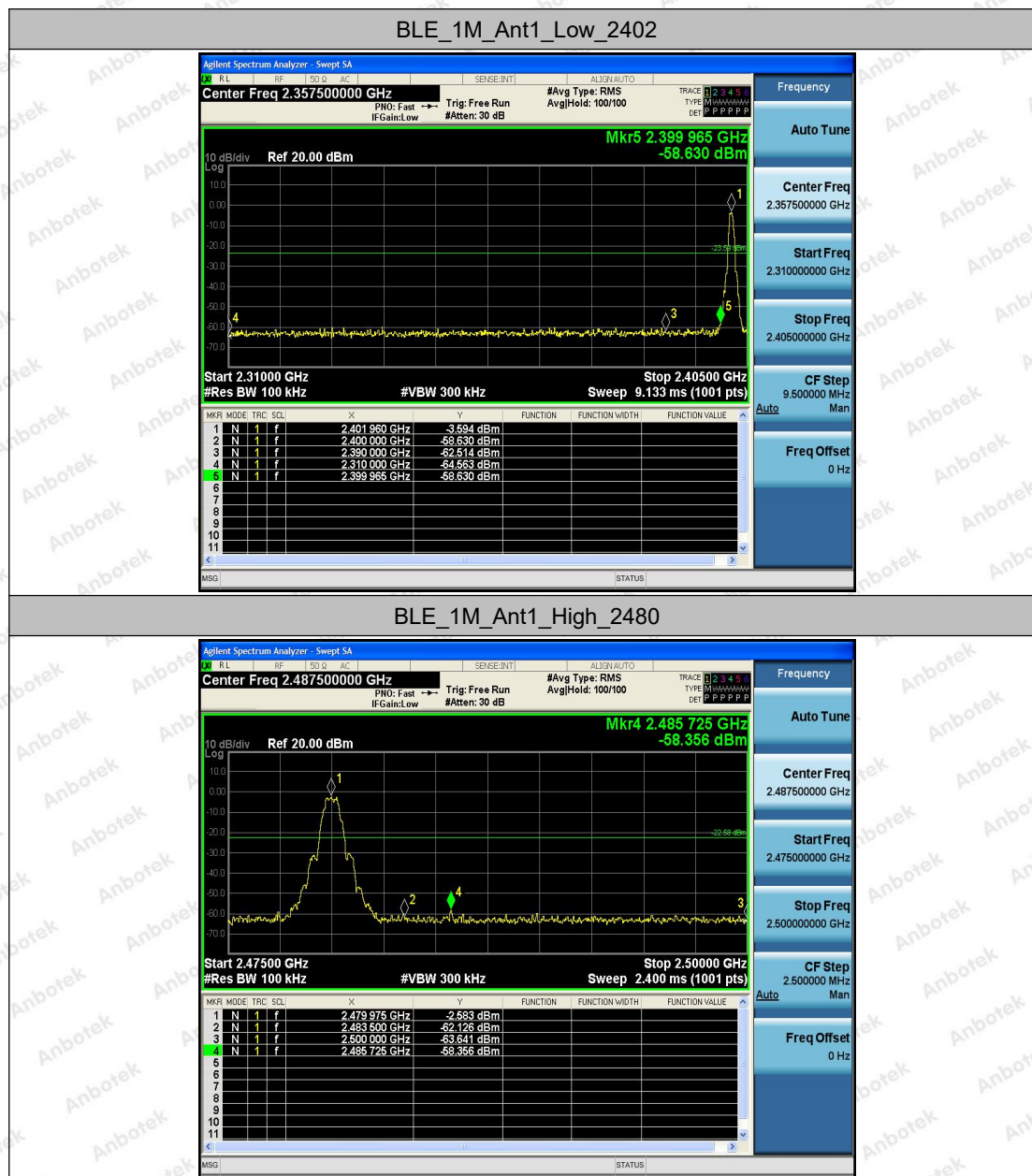
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-3.59	-58.63	≤-23.59	PASS
		High	2480	-2.58	-58.36	≤-22.58	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

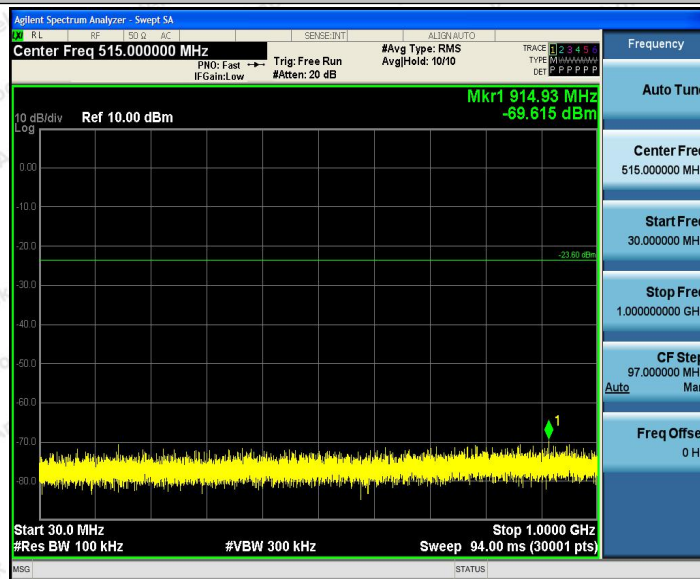
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-3.60	-3.60	---	PASS
			30~1000	-3.60	-69.62	≤-23.6	PASS
			1000~265 00	-3.60	-40.42	≤-23.6	PASS
		2440	Reference	-3.12	-3.12	---	PASS
			30~1000	-3.12	-70.55	≤-23.12	PASS
			1000~265 00	-3.12	-42.58	≤-23.12	PASS
		2480	Reference	-2.71	-2.71	---	PASS
			30~1000	-2.71	-69.77	≤-22.71	PASS
			1000~265 00	-2.71	-52.19	≤-22.71	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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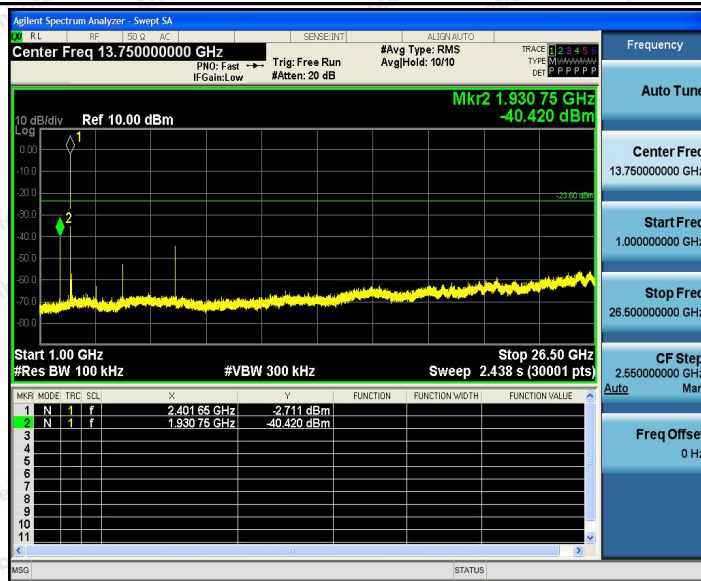
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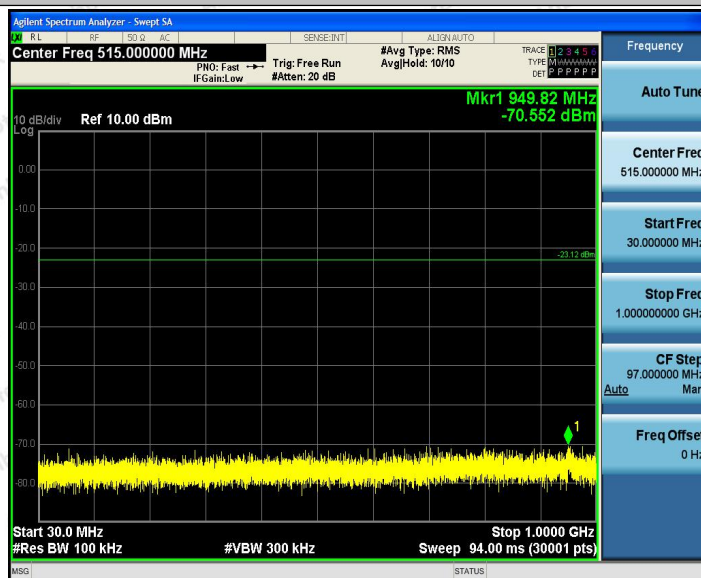
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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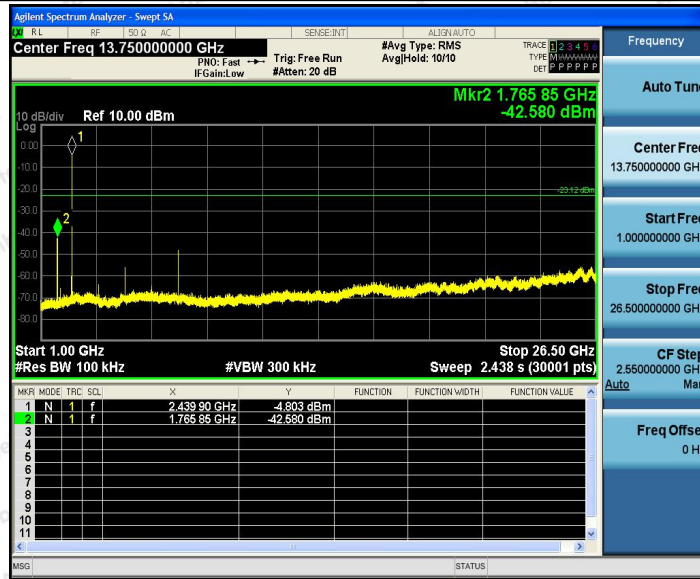


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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



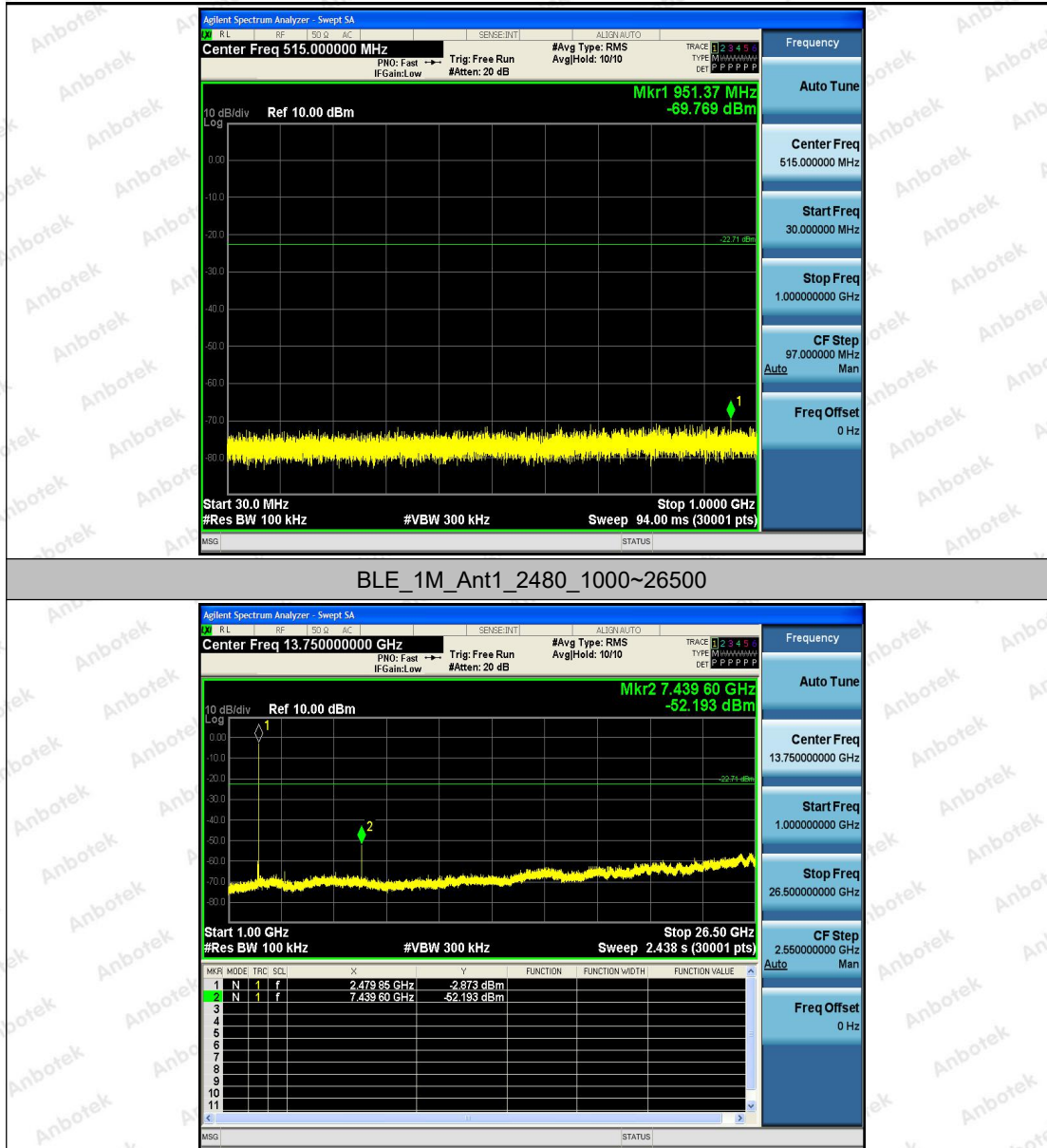
BLE_1M_Ant1_2480_30~1000

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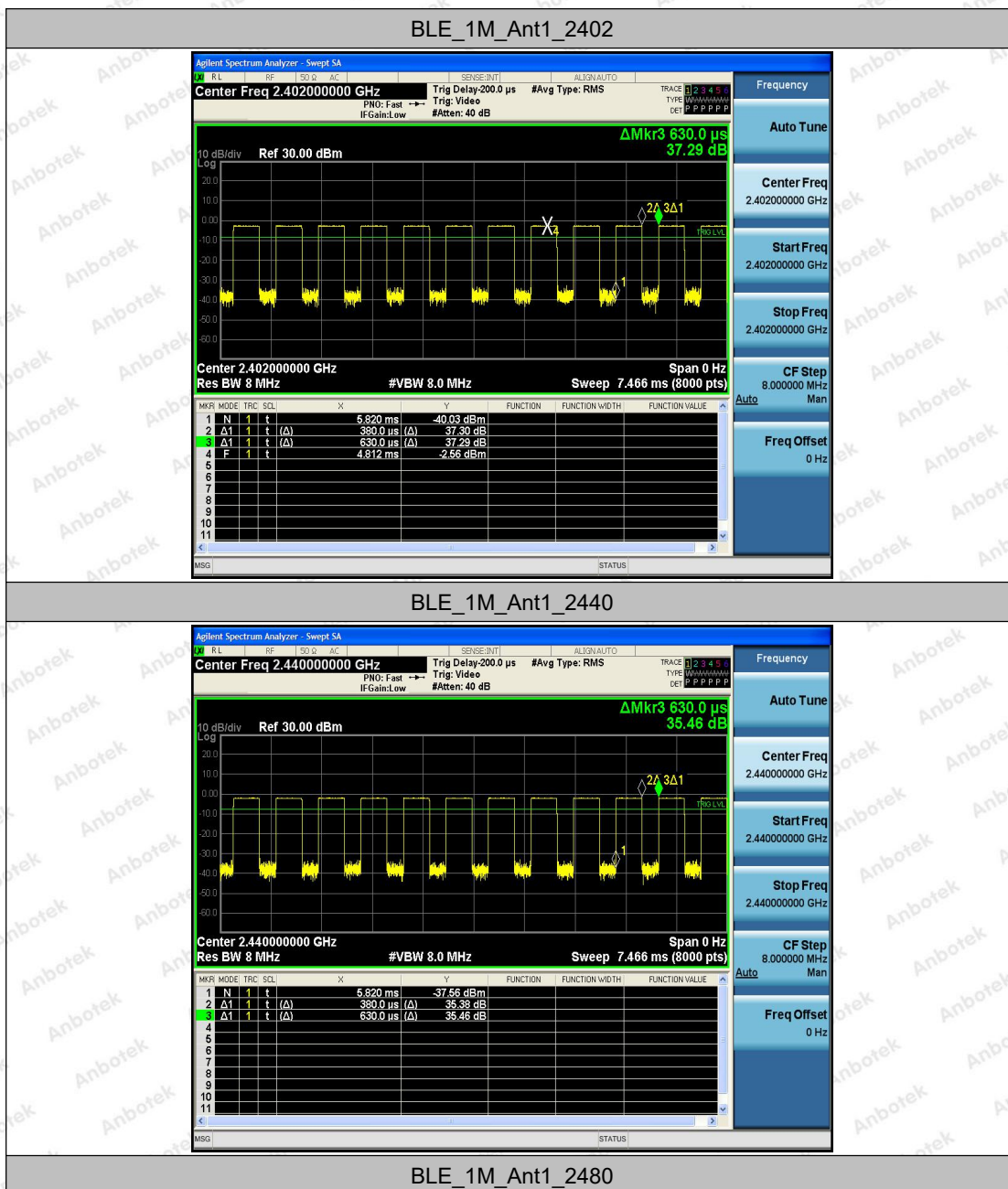
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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.38	0.63	0.603 2	60.32	2.20	---	PASS
		2440	0.38	0.63	0.603 2	60.32	2.20	---	PASS
		2480	0.38	0.63	0.603 2	60.32	2.20	---	PASS

Test Graphs

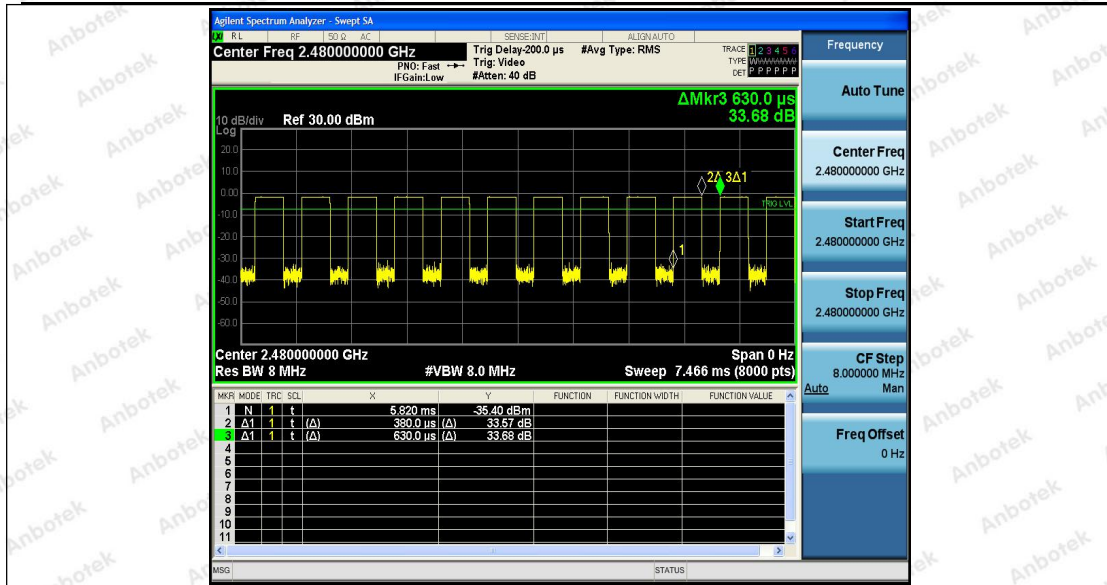


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