

Appendix Test Data

Report No.:	18220WC10274001	Test Sample No.:	1-2-2
Start Test Date:	2021.12.14	Finish Test Date:	2021.12.17
Test Engineer:	<i>Tony 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	0.664	2401.652	2402.316	≥0.5	PASS
		2440	0.688	2439.644	2440.332	≥0.5	PASS
		2480	0.668	2479.660	2480.328	≥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	1.0370	2401.485	2402.522	---	PASS
		2440	1.0294	2439.489	2440.518	---	PASS
		2480	1.0305	2479.489	2480.519	---	PASS

Test Graphs



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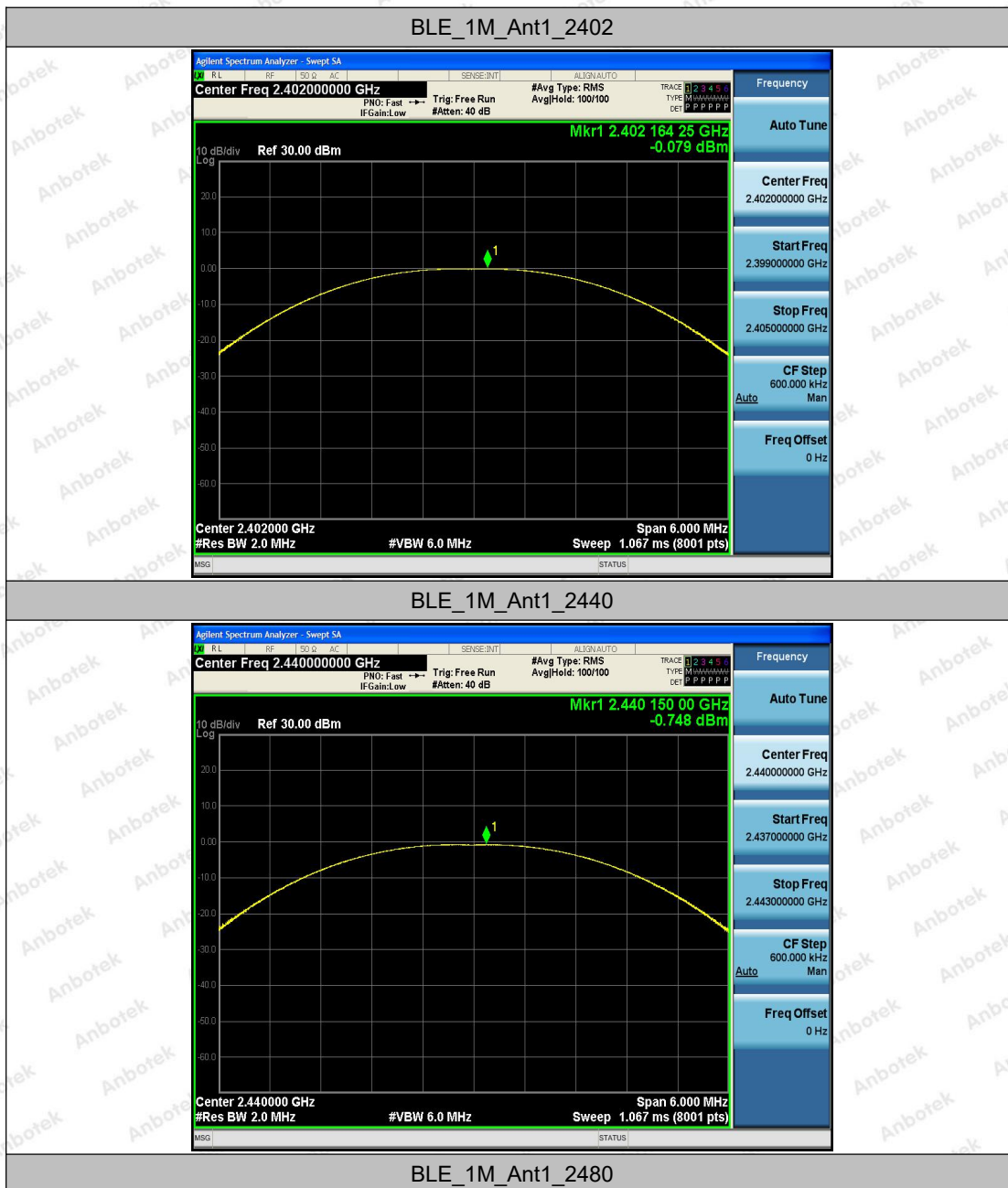
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Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.08	≤30	PASS
		2440	-0.75	≤30	PASS
		2480	0.45	≤30	PASS

Test Graphs

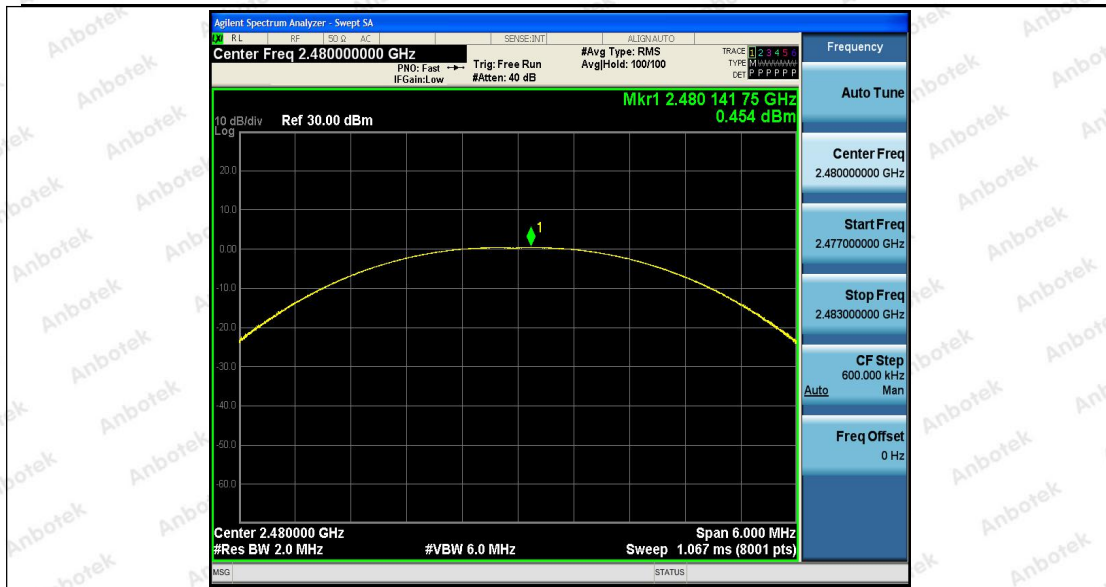


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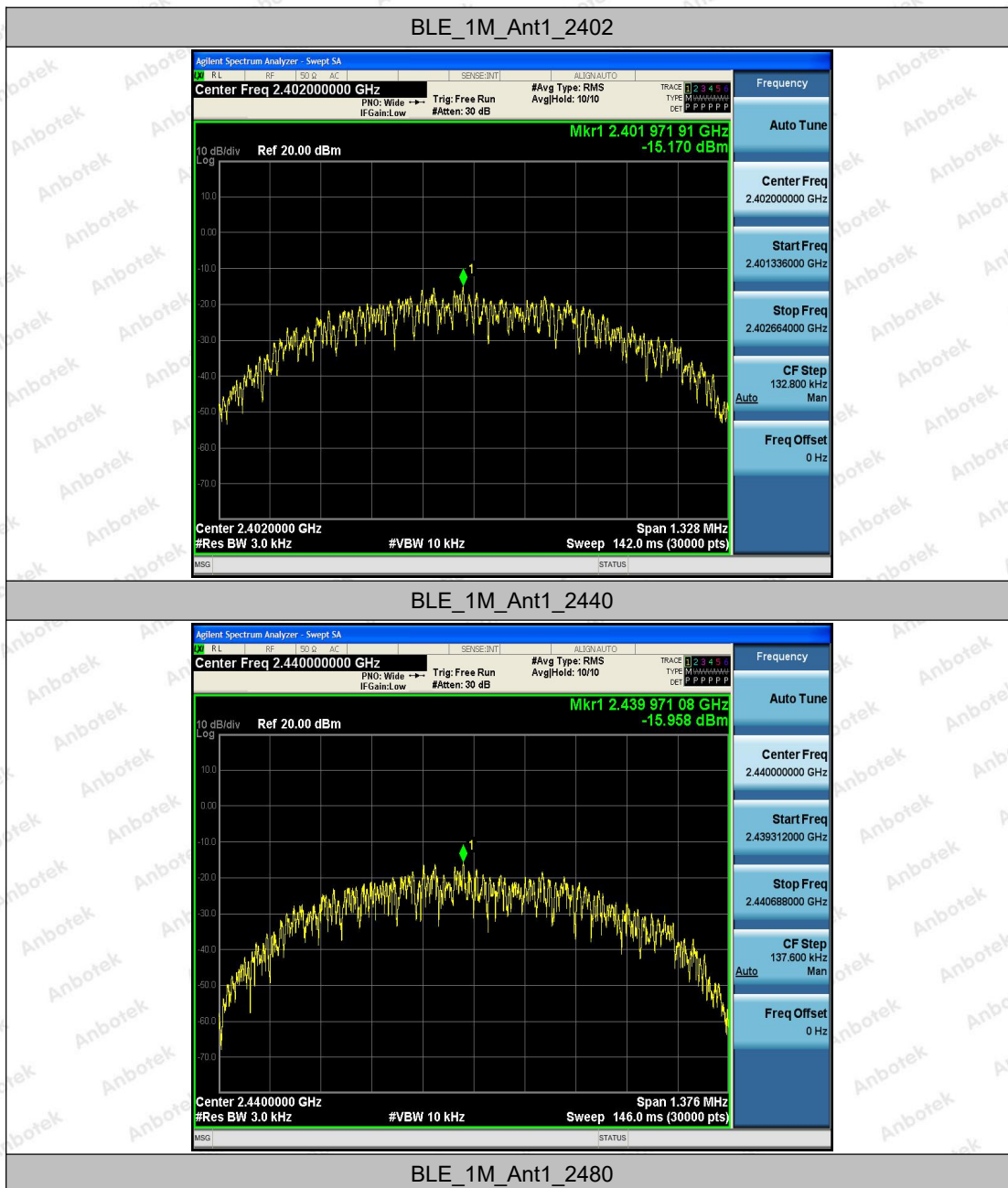
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Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.17	≤8	PASS
		2440	-15.96	≤8	PASS
		2480	-14.68	≤8	PASS

Test Graphs

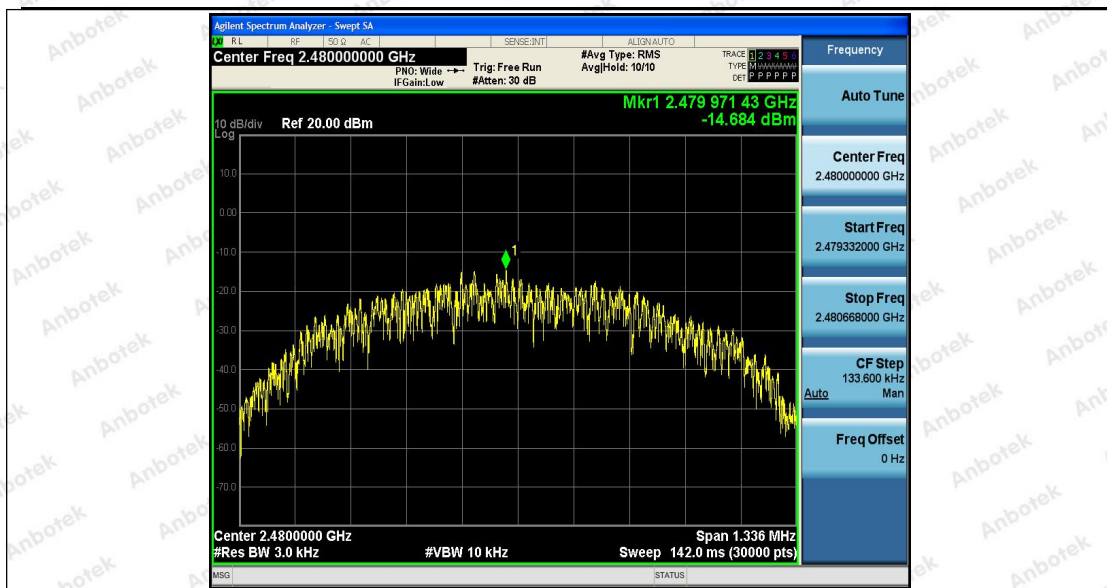


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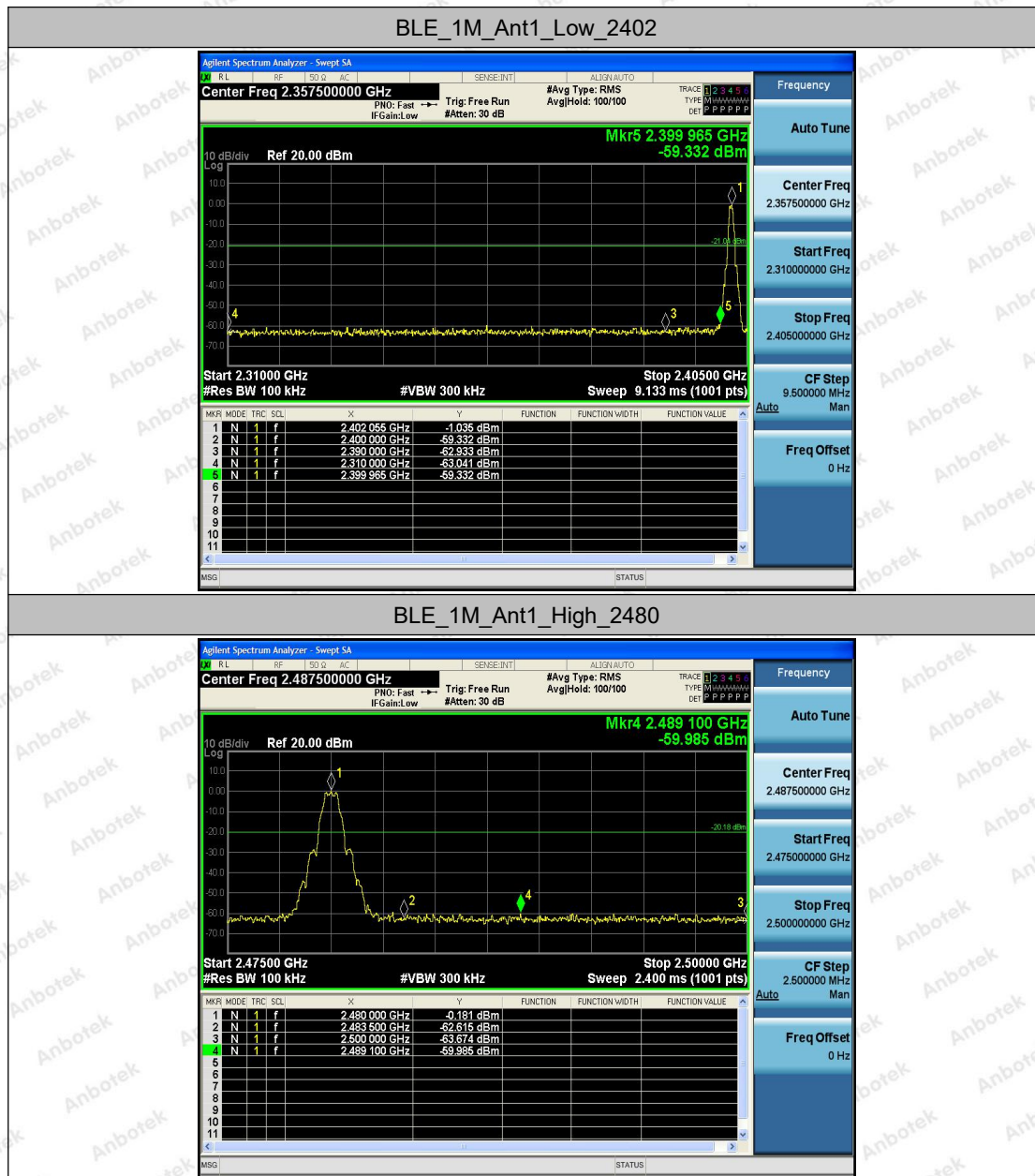
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.04	-59.33	≤-21.04	PASS
		High	2480	-0.18	-59.99	≤-20.18	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

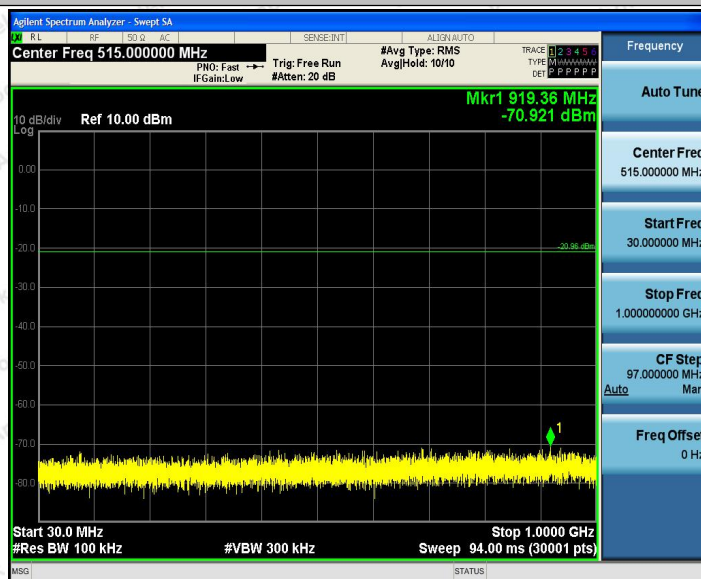
Test Mode	Antenna	Channel	Freq Range [MHz]	Ref Level [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-0.96	-0.96	---	PASS
			30~1000	-0.96	-70.92	≤-20.96	PASS
			1000~26500	-0.96	-49.26	≤-20.96	PASS
		2440	Reference	-1.79	-1.79	---	PASS
			30~1000	-1.79	-68.59	≤-21.79	PASS
			1000~26500	-1.79	-48.78	≤-21.79	PASS
		2480	Reference	-0.50	-0.50	---	PASS
			30~1000	-0.50	-61.01	≤-20.5	PASS
			1000~26500	-0.50	-52.93	≤-20.5	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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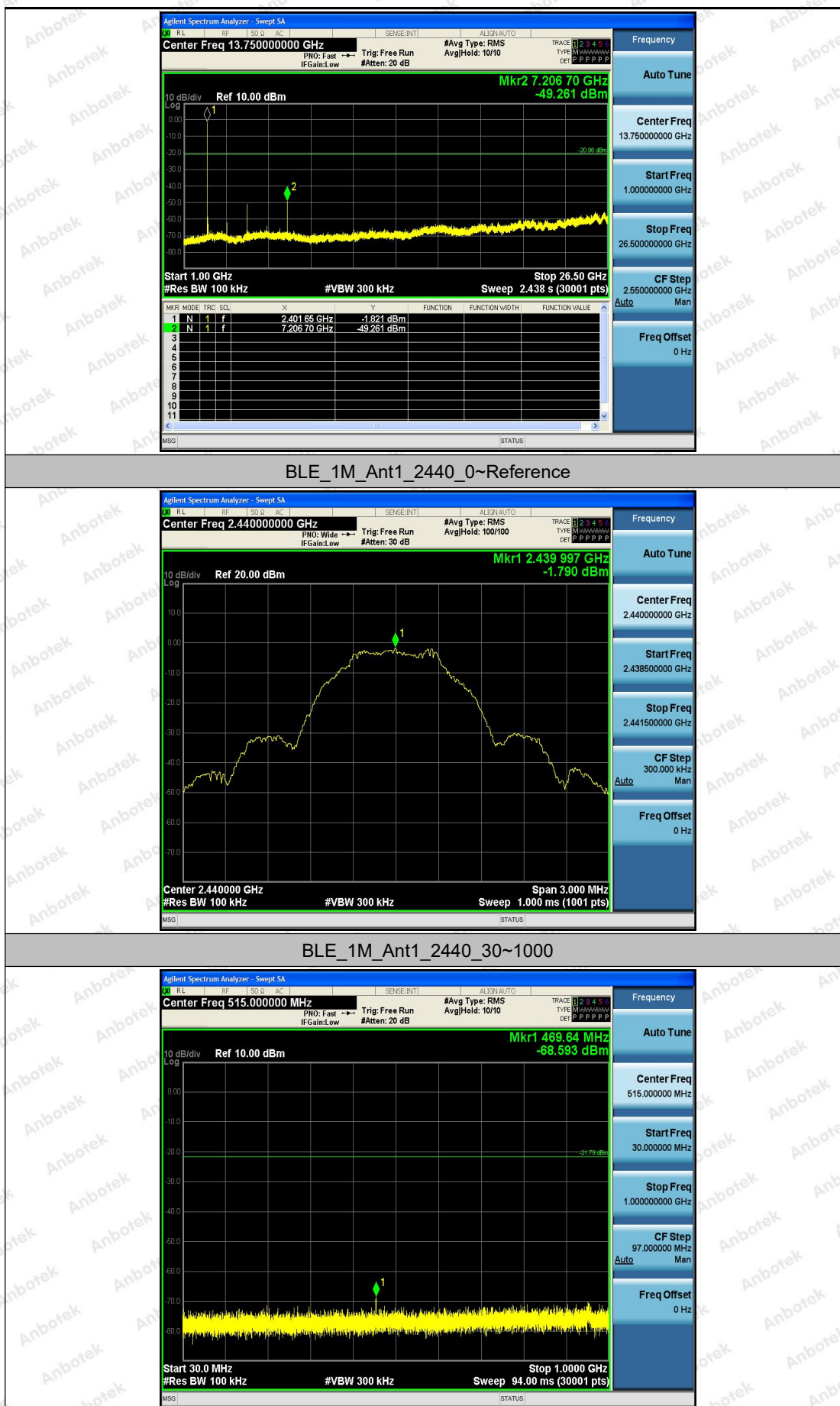
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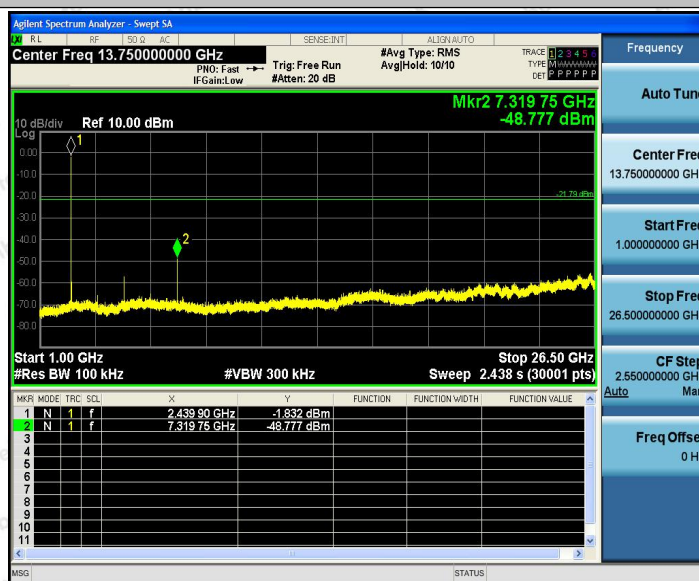
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



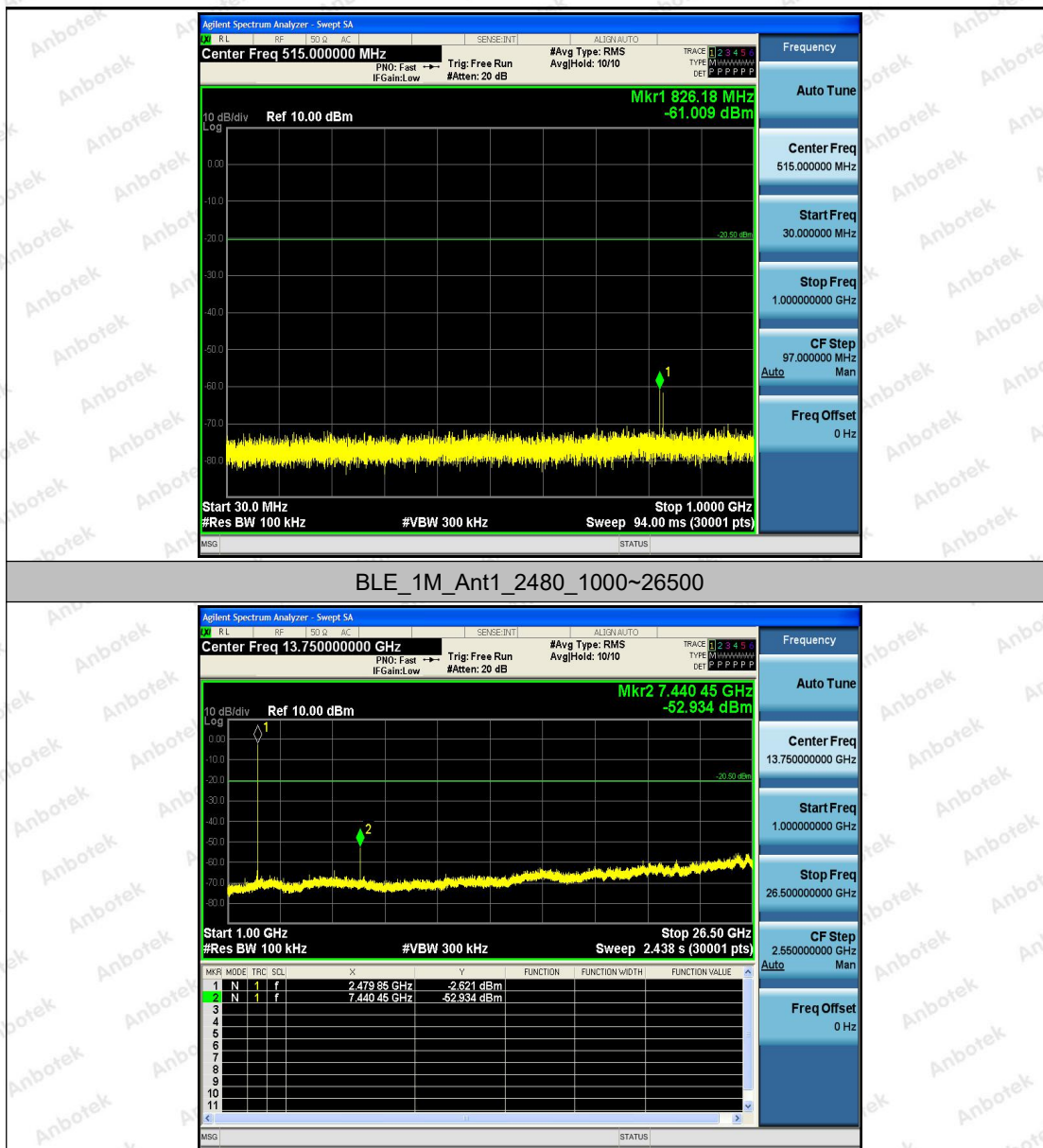
BLE_1M_Ant1_2480_30~1000

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Appendix G: Duty Cycle

Test Result

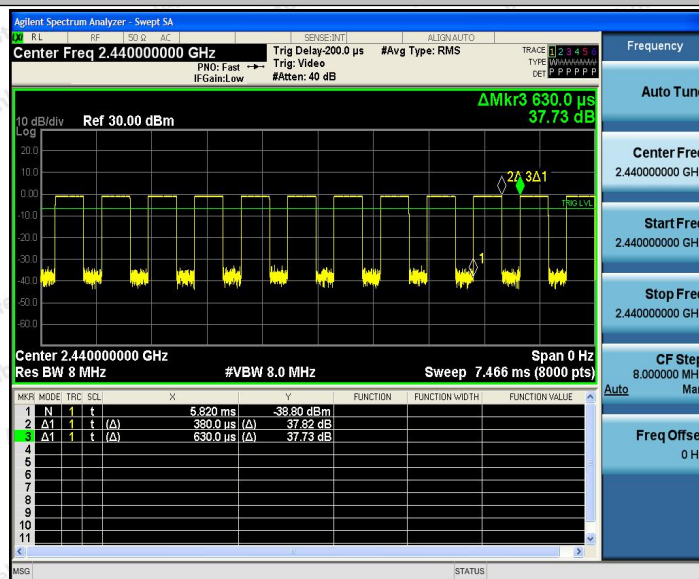
Test Mode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	X Factor	Limit	Verdict
BLE_1M	Ant1	2402	0.38	0.63	0.6032	60.32	2.20	---	PASS
		2440	0.38	0.63	0.6032	60.32	2.20	---	PASS
		2480	0.38	0.62	0.6129	61.29	2.13	---	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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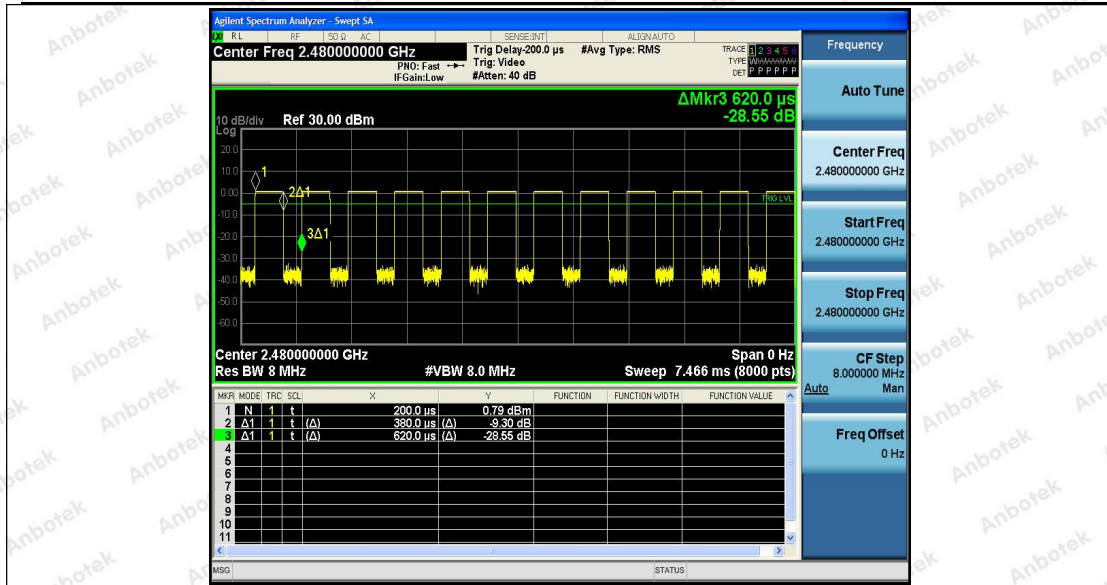
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