

Appendix Test Data

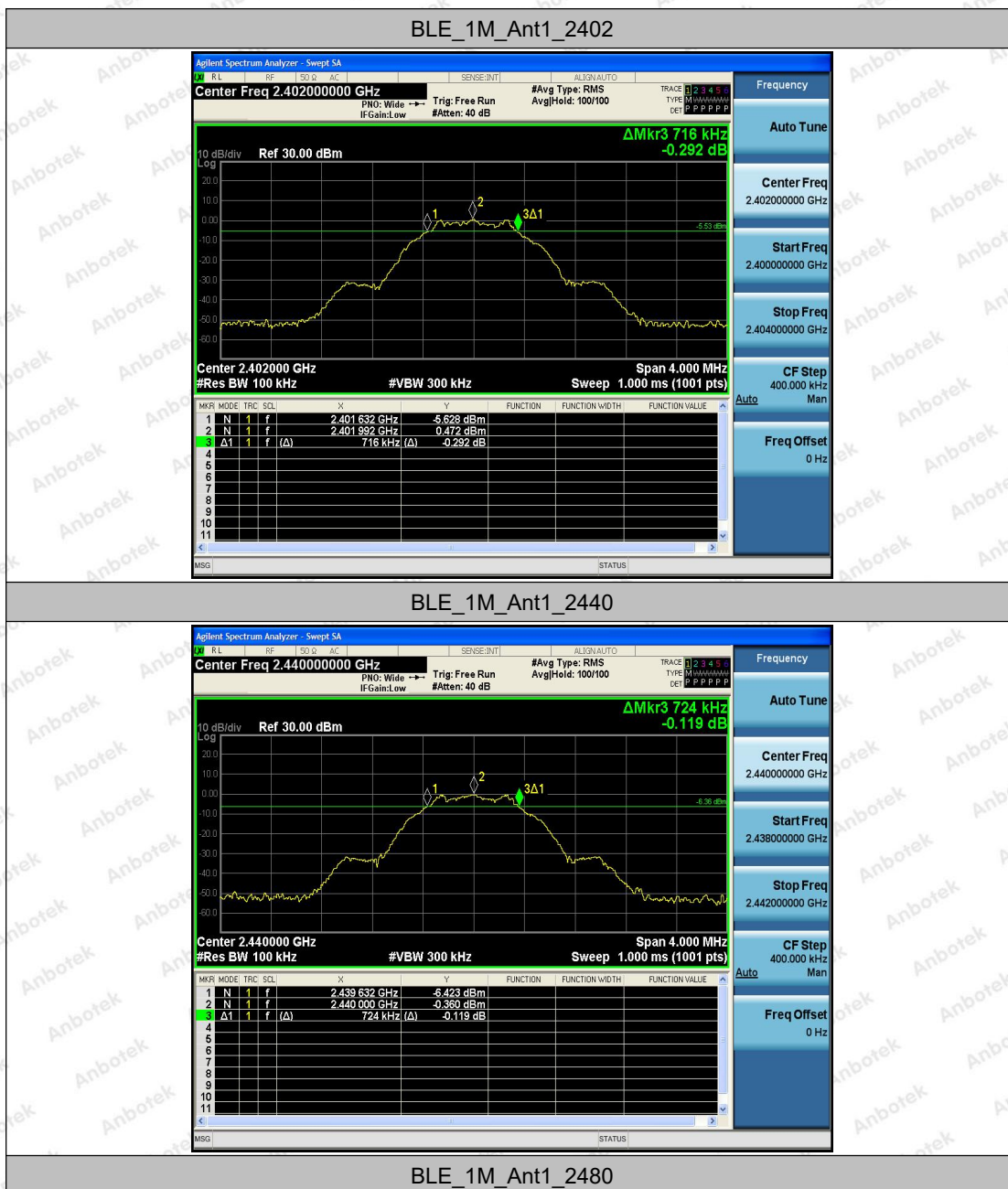
Report No.:	18220WC20101601	Test Sample No.:	1-2-2
Start Test Date:	2022.5.10	Finish Test Date:	2022.5.17
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	Relative Humidity:	57.1 %
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.716	2401.632	2402.348	≥0.5	PASS
		2440	0.724	2439.632	2440.356	≥0.5	PASS
		2480	0.660	2479.668	2480.328	≥0.5	PASS

Test Graphs



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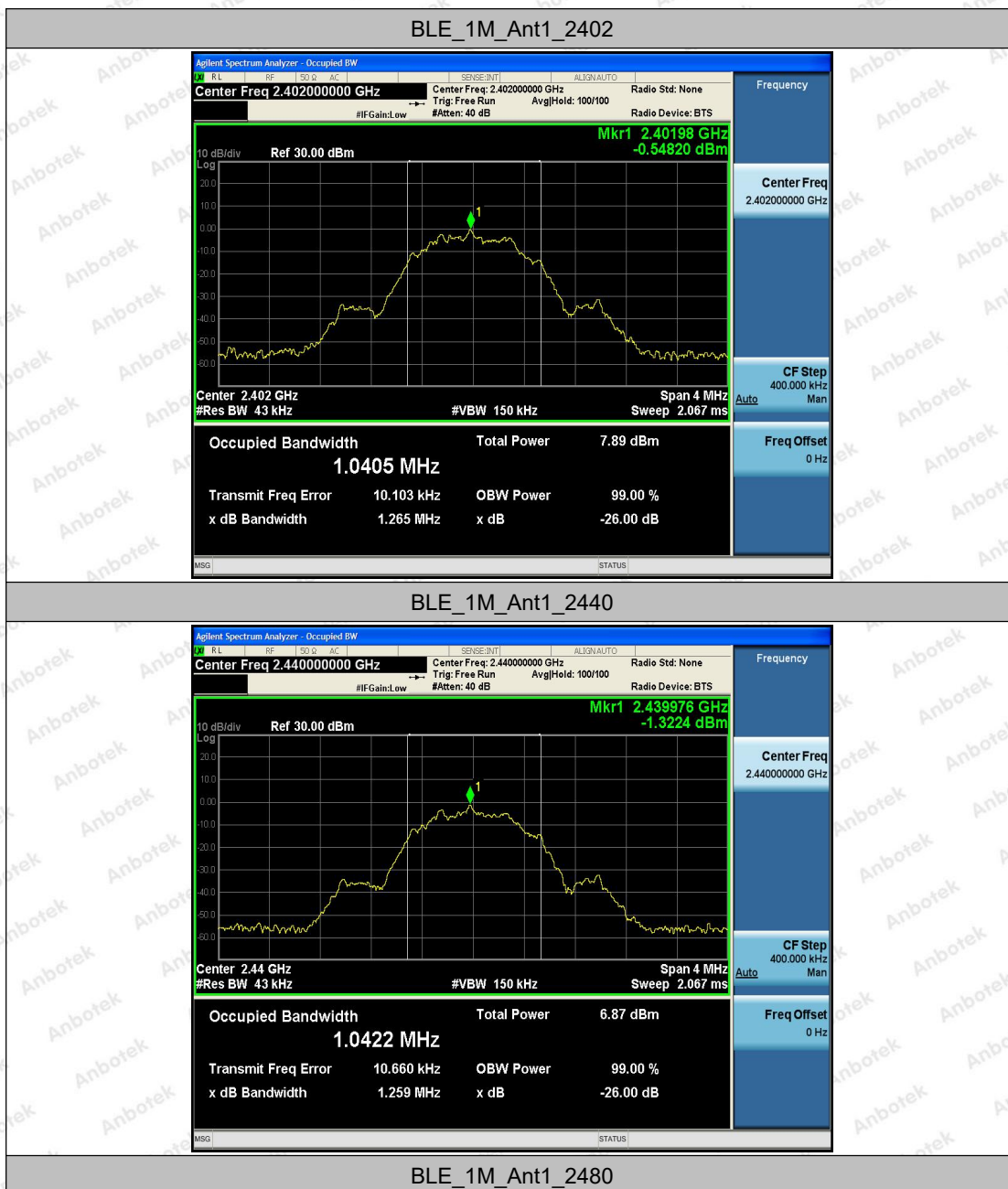
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0405	2401.490	2402.530	---	PASS
		2440	1.0422	2439.490	2440.532	---	PASS
		2480	1.0548	2479.481	2480.536	---	PASS

Test Graphs



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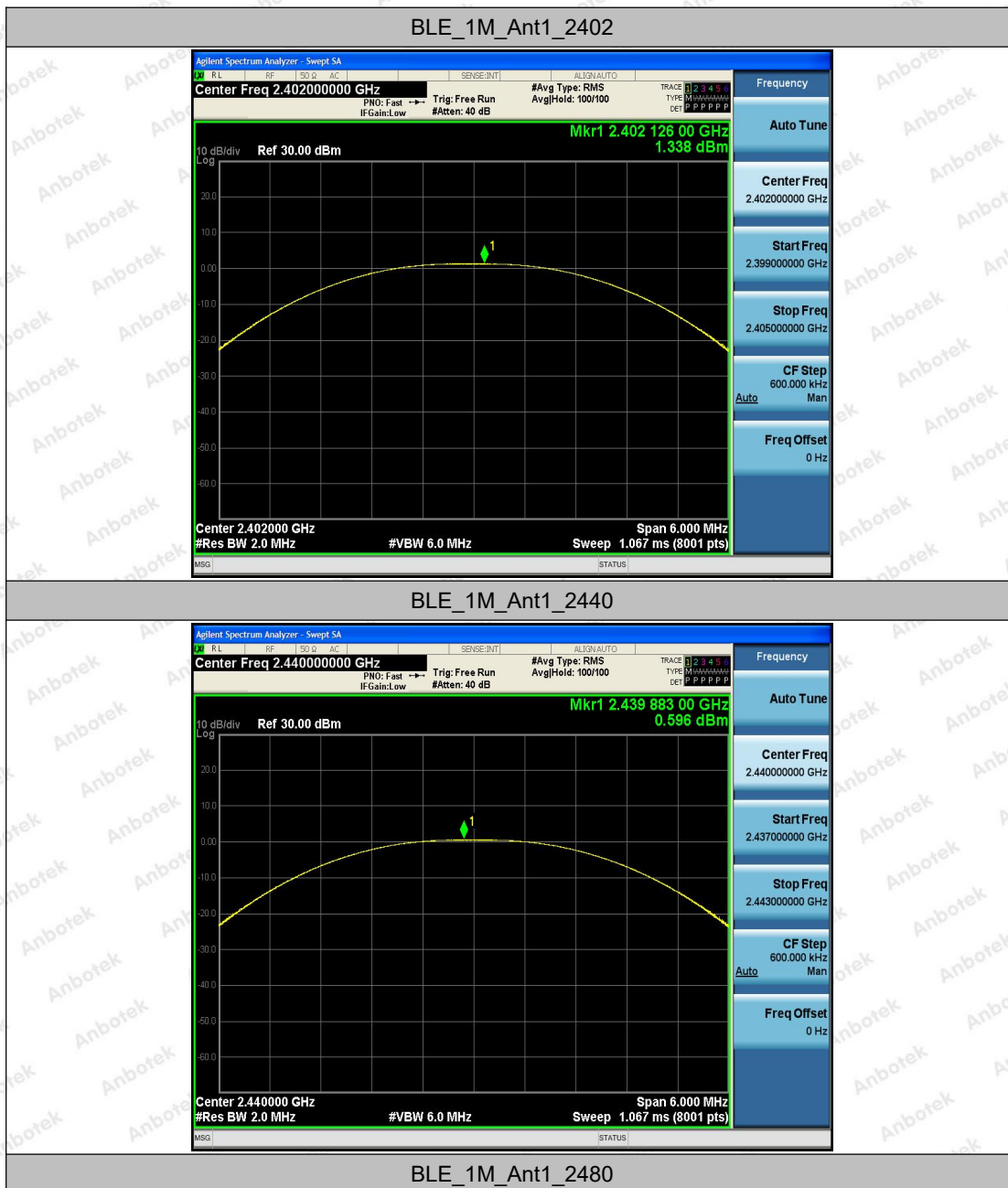
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.34	≤30	PASS
		2440	0.6	≤30	PASS
		2480	1.08	≤30	PASS

Test Graphs

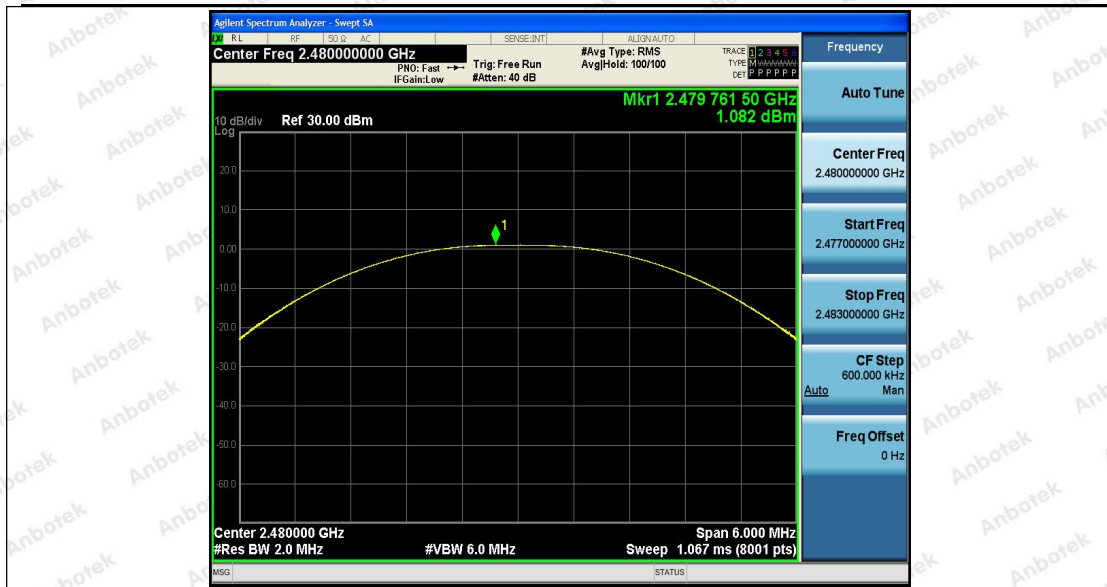


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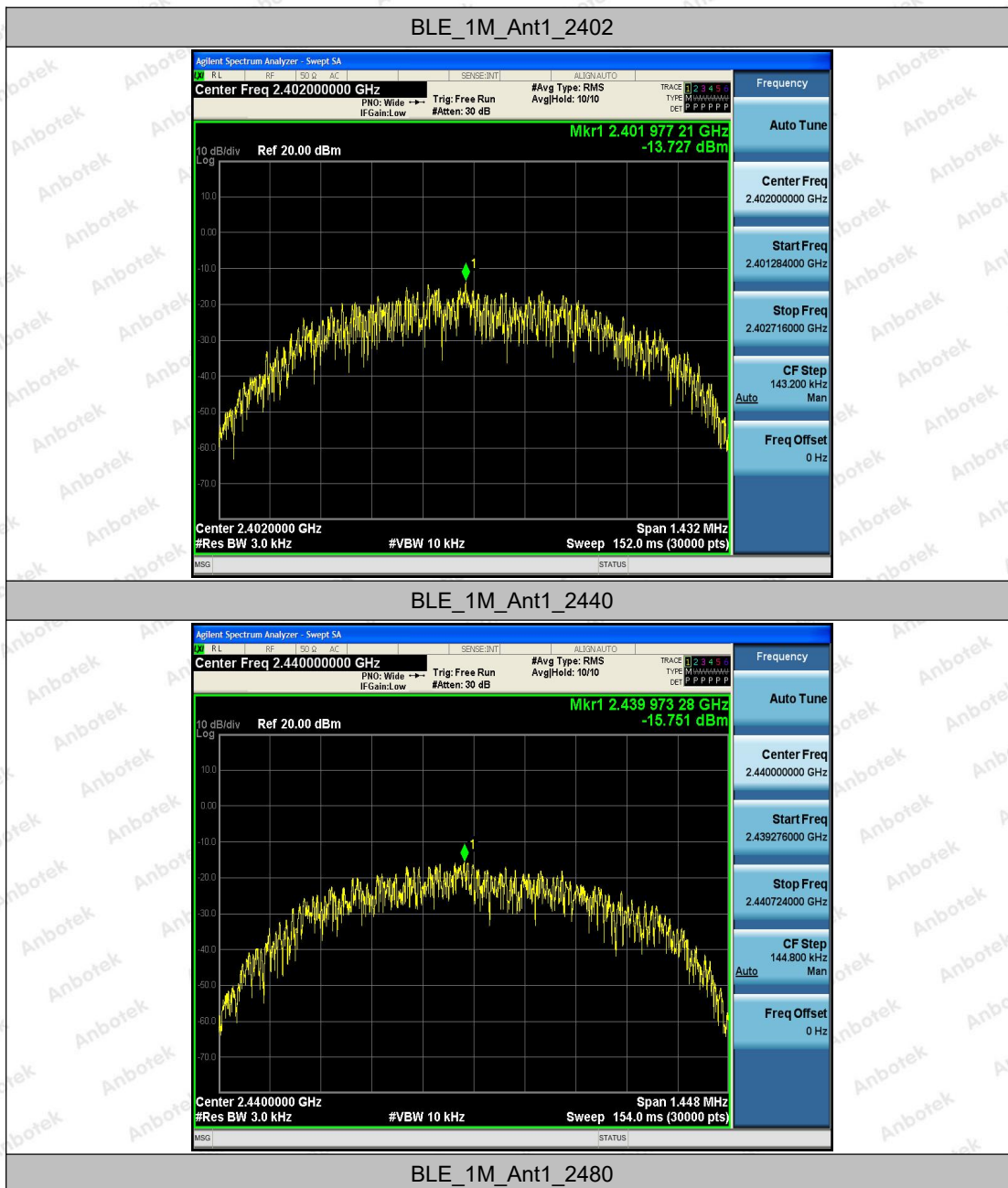
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.73	≤8	PASS
		2440	-15.75	≤8	PASS
		2480	-14.7	≤8	PASS

Test Graphs

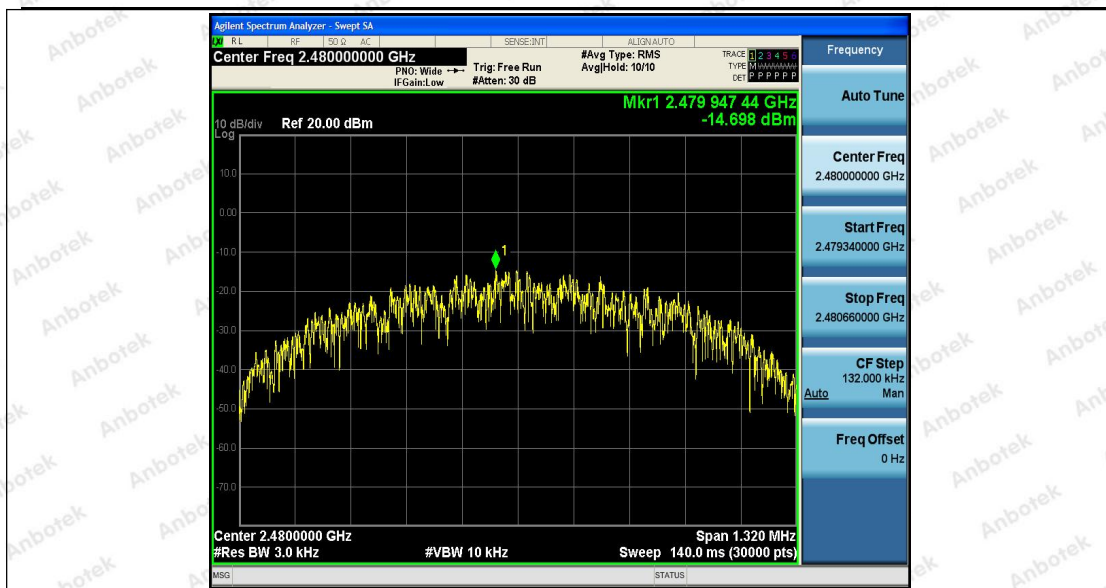


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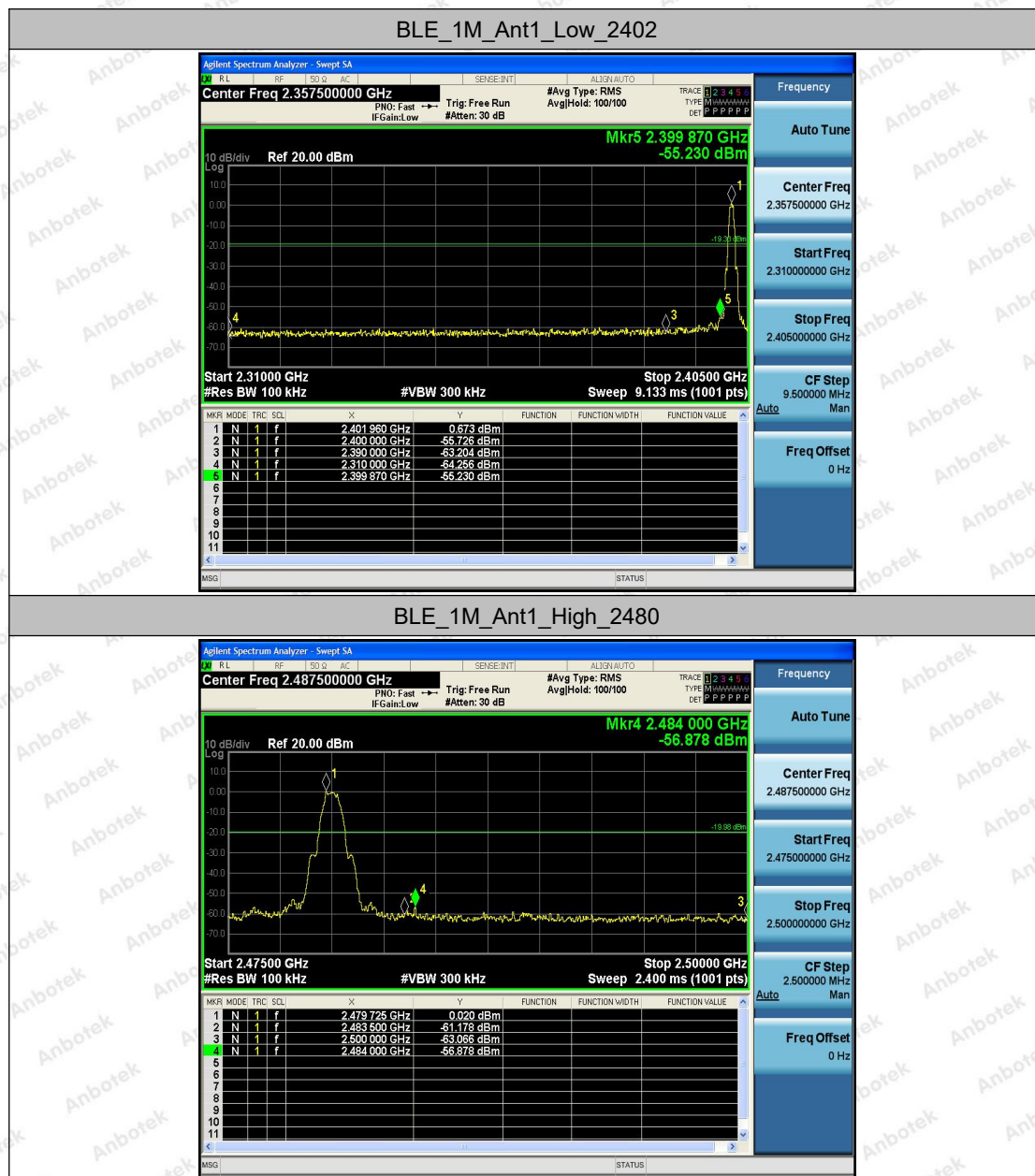
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.67	-55.23	≤ -19.33	PASS
		High	2480	0.02	-56.88	≤ -19.98	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

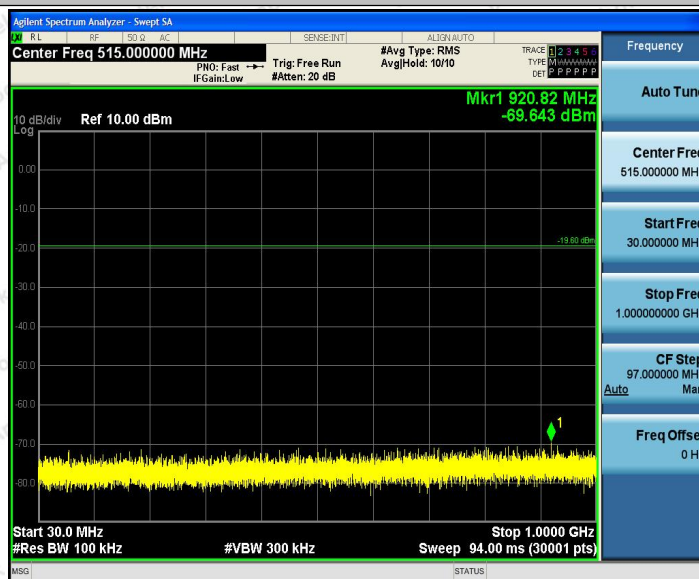
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	0.40	0.40	---	PASS
			30~1000	0.40	-69.64	≤-19.6	PASS
			1000~265 00	0.40	-55.06	≤-19.6	PASS
		2440	Reference	-0.47	-0.47	---	PASS
			30~1000	-0.47	-70.63	≤-20.47	PASS
			1000~265 00	-0.47	-55.43	≤-20.47	PASS
		2480	Reference	0.11	0.11	---	PASS
			30~1000	0.11	-70.39	≤-19.89	PASS
			1000~265 00	0.11	-54.24	≤-19.89	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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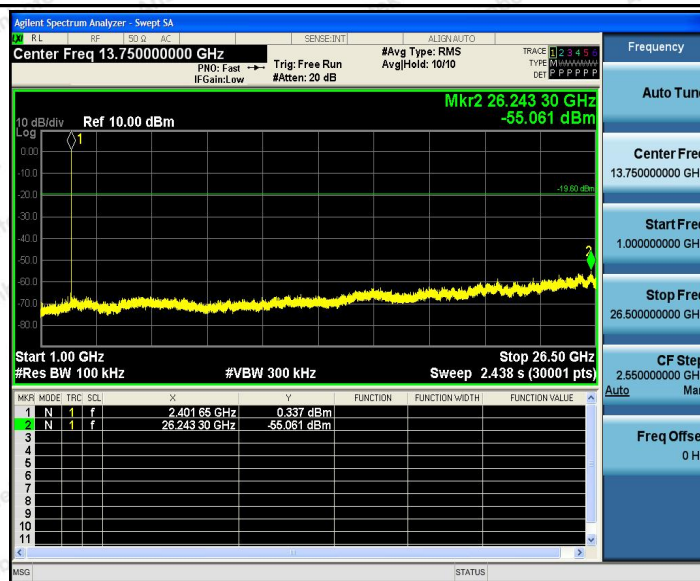
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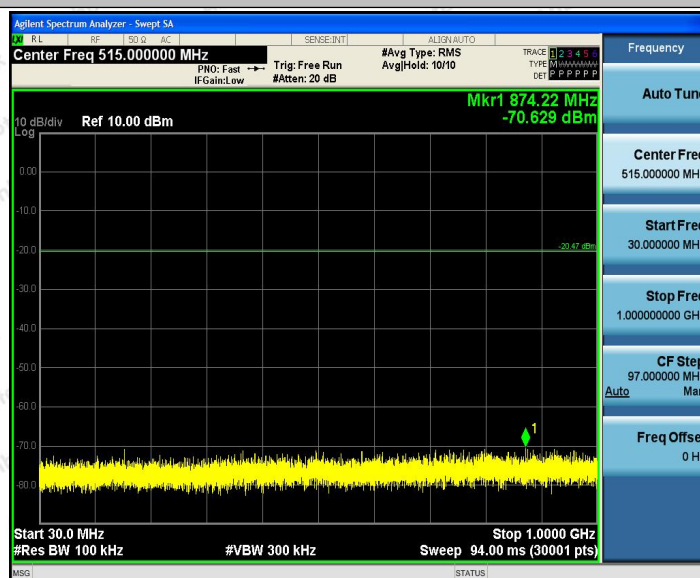
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



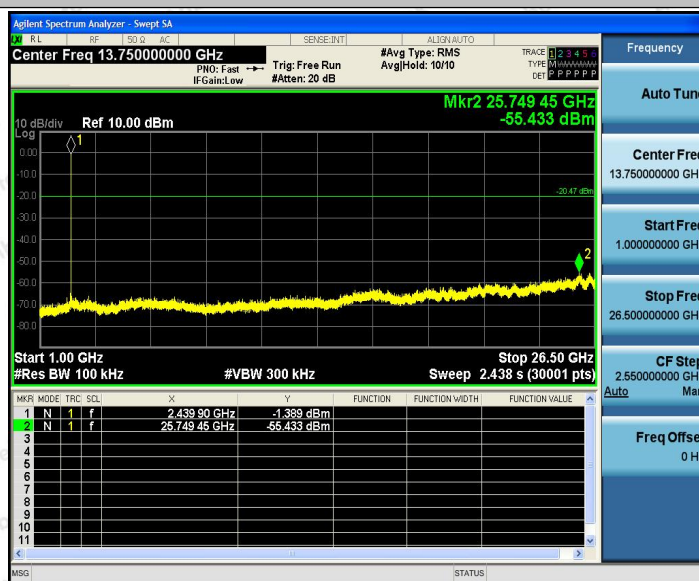
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



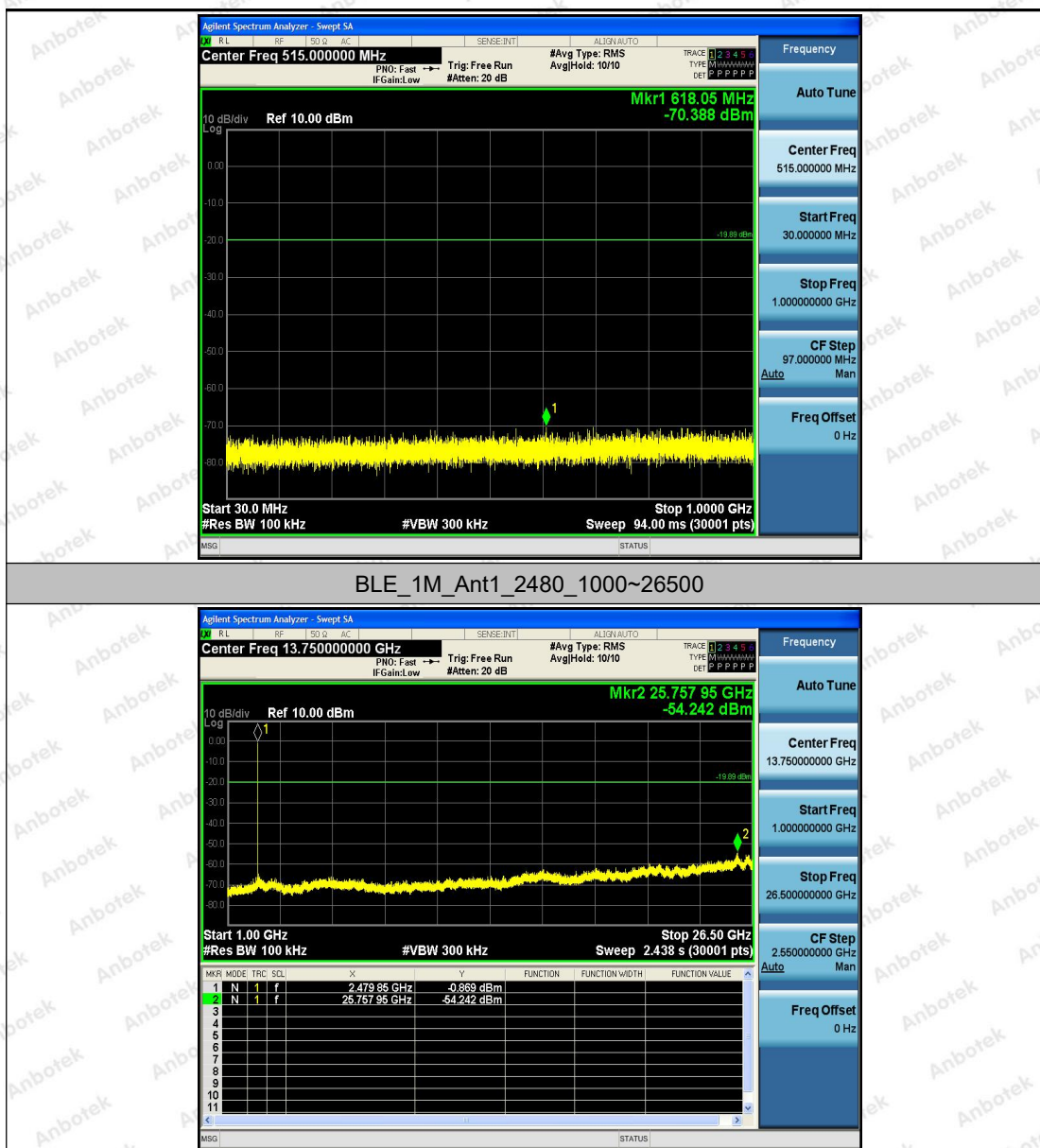
BLE_1M_Ant1_2480_30~1000

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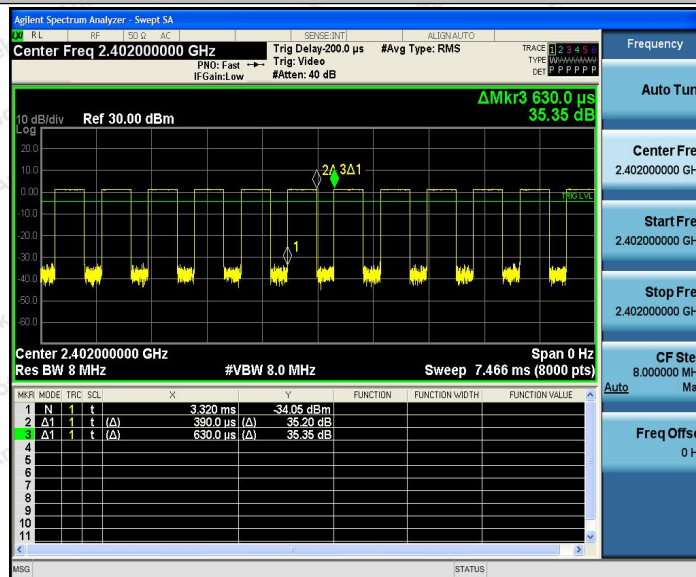
Appendix G: Duty Cycle

Test Result

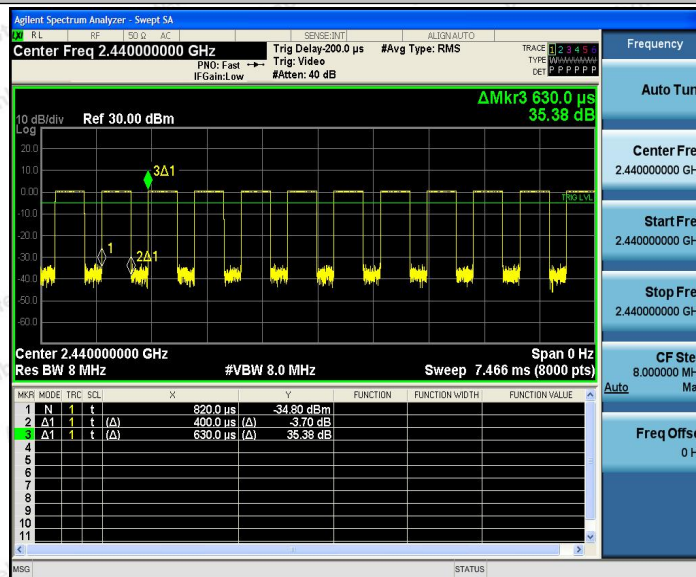
TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.39	0.63	0.619 0	61.90	2.08	---	PASS
		2440	0.40	0.63	0.634 9	63.49	1.97	---	PASS
		2480	0.40	0.63	0.634 9	63.49	1.97	---	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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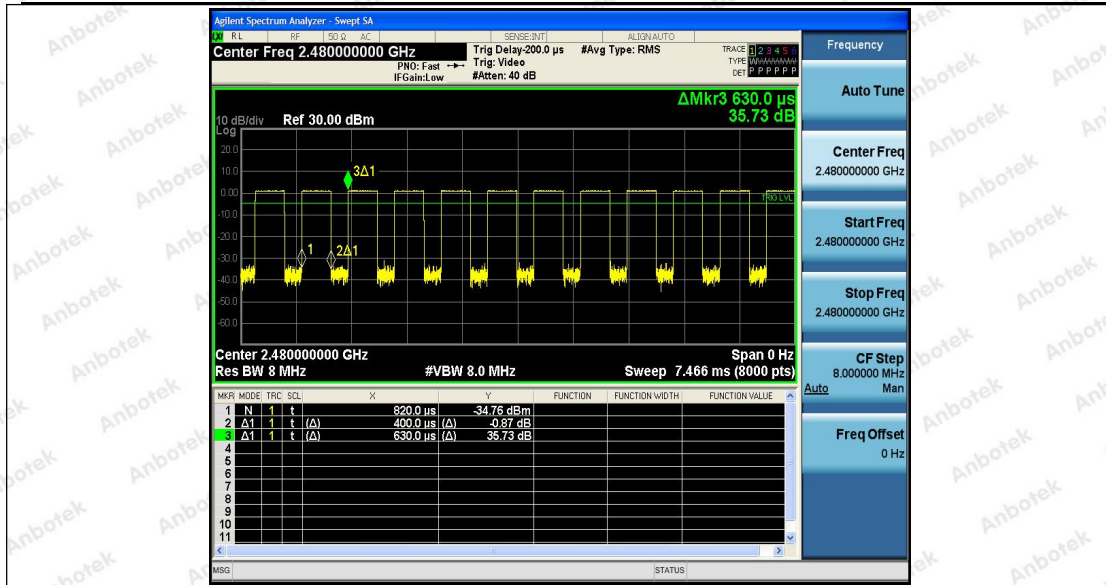
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