

Appendix Test Data

Report No.:	18220WC10187001	Test Date:	2021.8.20
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

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.676	2401.676	2402.352	≥0.5	PASS
		2440	0.716	2439.652	2440.368	≥0.5	PASS
		2480	0.716	2479.648	2480.364	≥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	1.0650	2401.486	2402.551	---	PASS
		2440	1.0628	2439.488	2440.551	---	PASS
		2480	1.0511	2479.491	2480.542	---	PASS

Test Graphs



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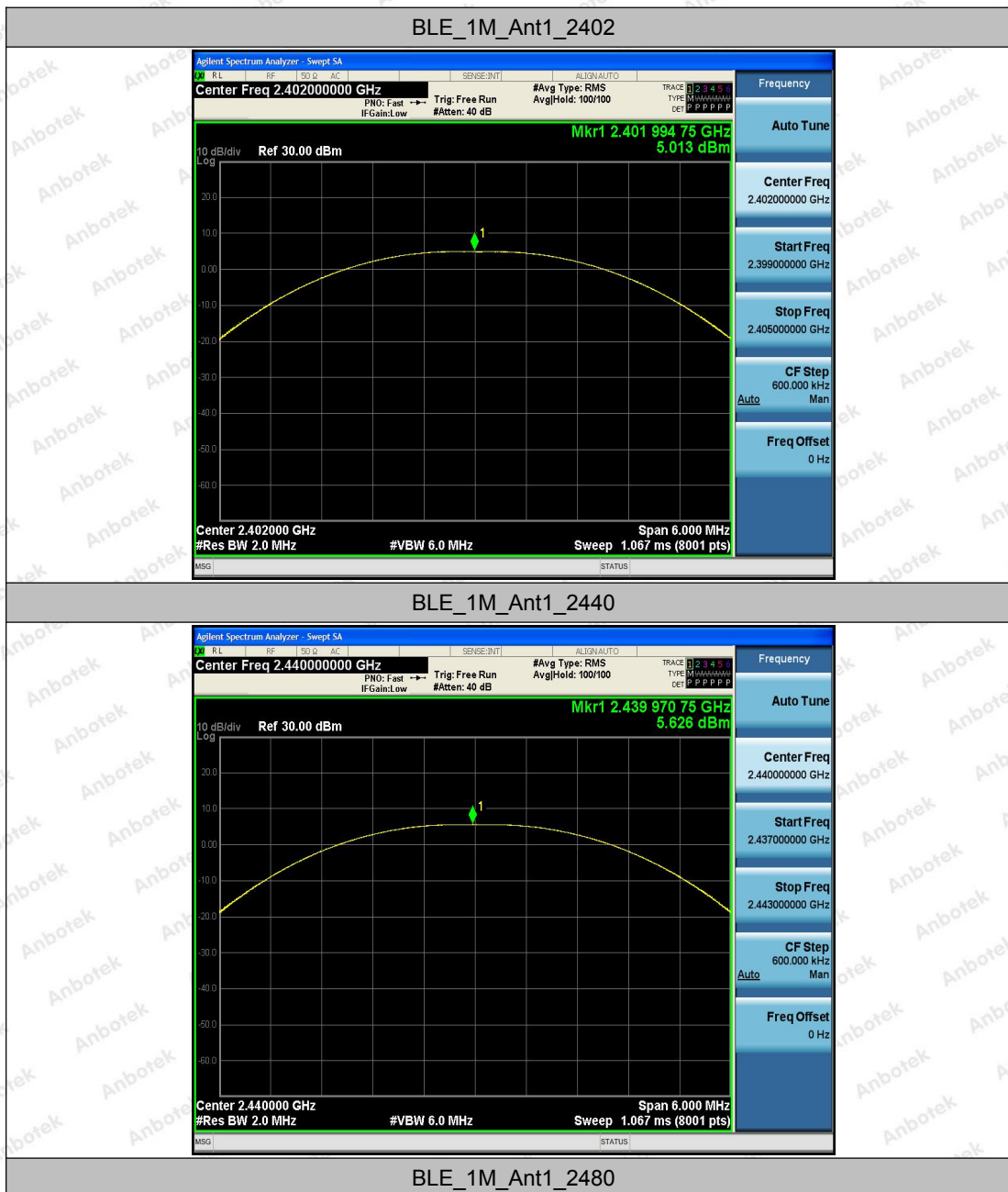
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	5.01	≤30	PASS
		2440	5.63	≤30	PASS
		2480	8.28	≤30	PASS

Test Graphs

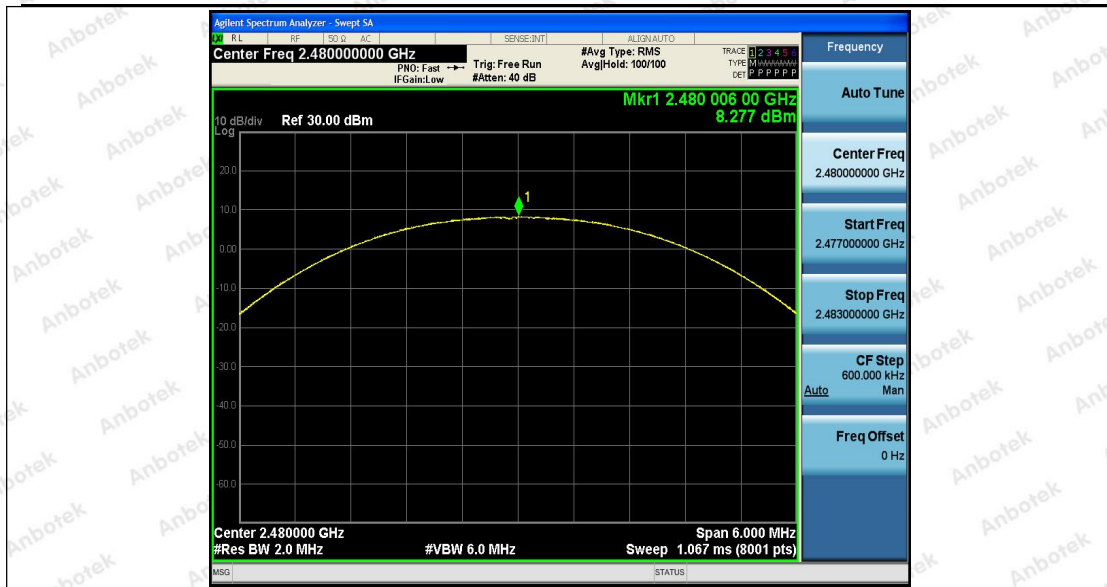


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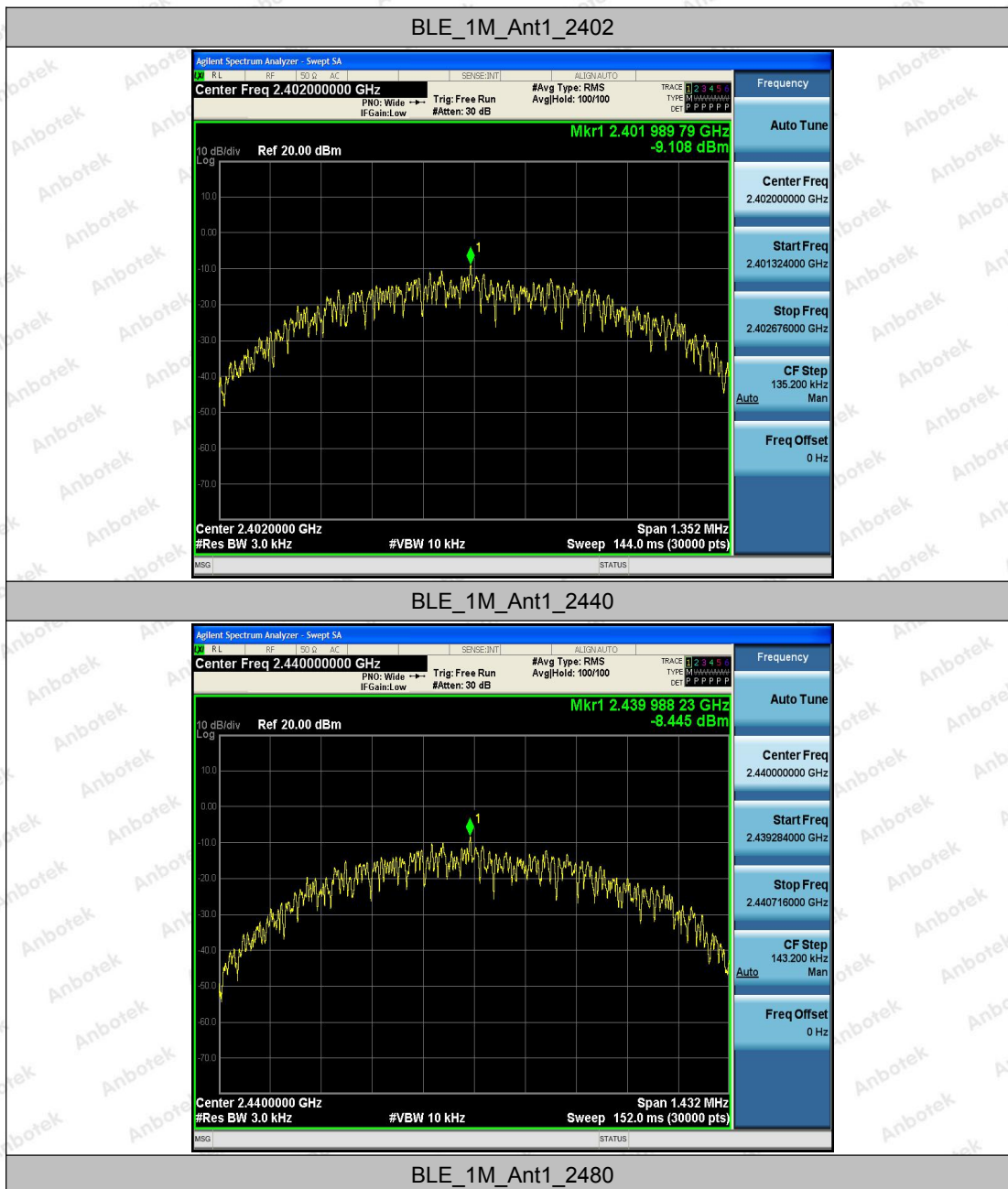
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-9.11	≤8	PASS
		2440	-8.45	≤8	PASS
		2480	-6.09	≤8	PASS

Test Graphs

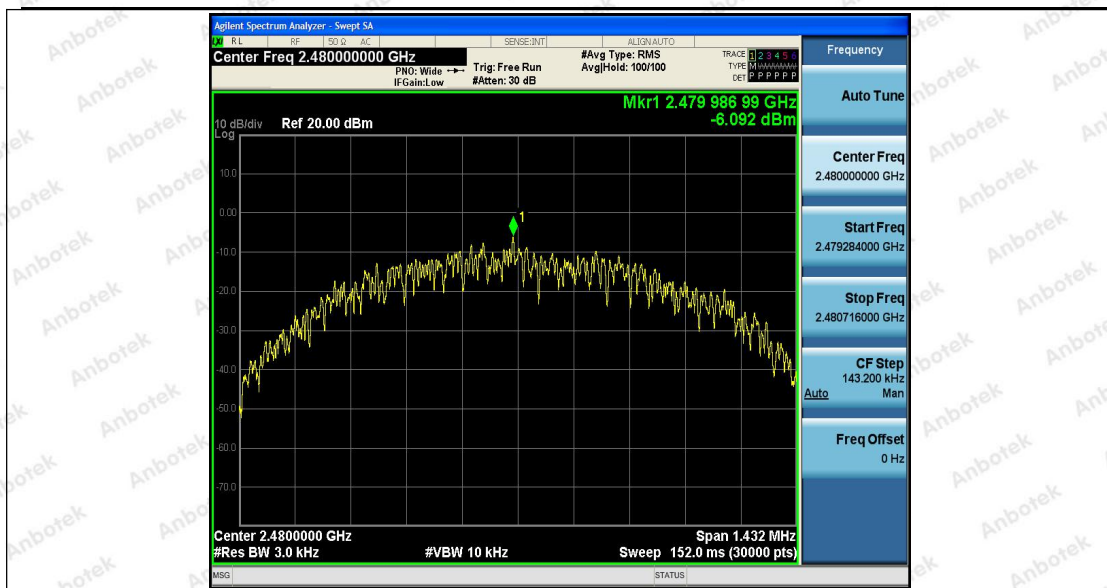


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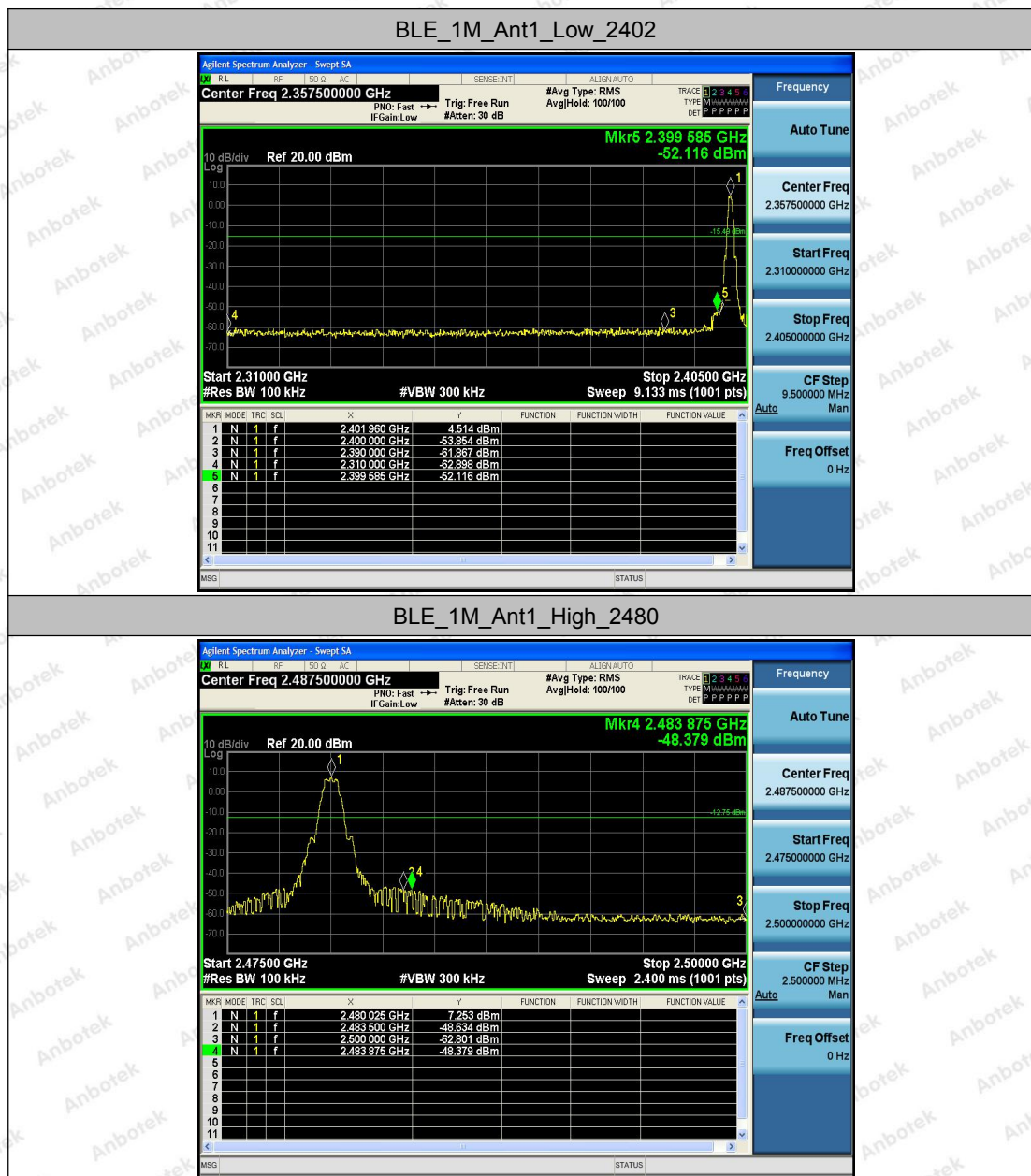
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	4.51	-52.12	≤-15.49	PASS
		High	2480	7.25	-48.38	≤-12.75	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

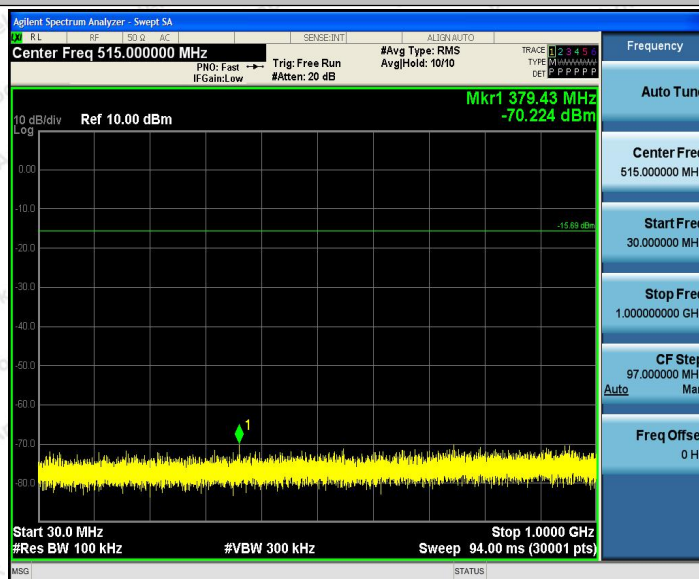
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	4.31	4.31	---	PASS
			30~1000	4.31	-70.22	≤-15.69	PASS
			1000~265 00	4.31	-55.27	≤-15.69	PASS
		2440	Reference	4.72	4.72	---	PASS
			30~1000	4.72	-70.08	≤-15.28	PASS
			1000~265 00	4.72	-55.76	≤-15.28	PASS
		2480	Reference	6.89	6.89	---	PASS
			30~1000	6.89	-69.85	≤-13.11	PASS
			1000~265 00	6.89	-53.94	≤-13.11	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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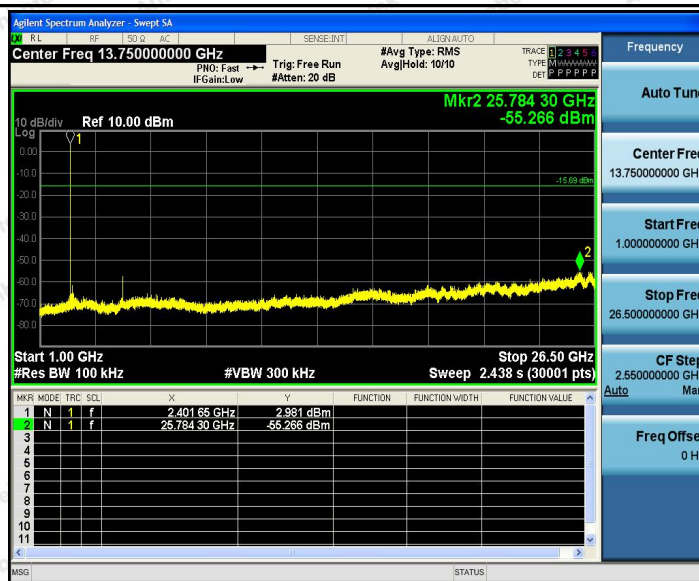
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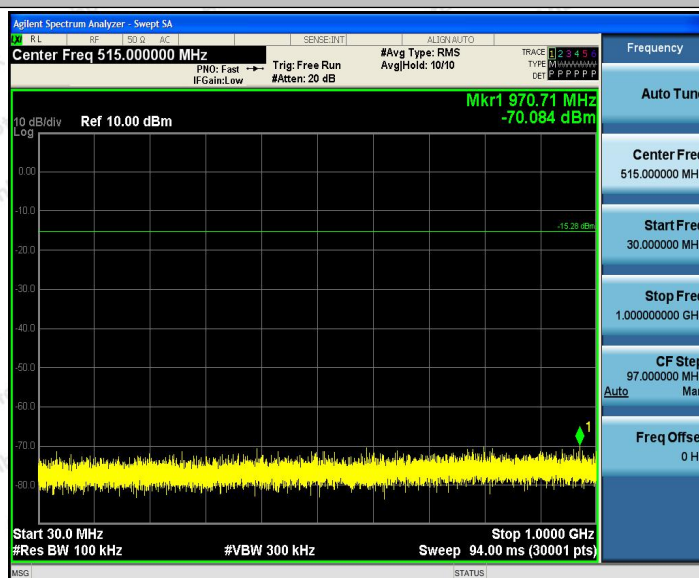
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



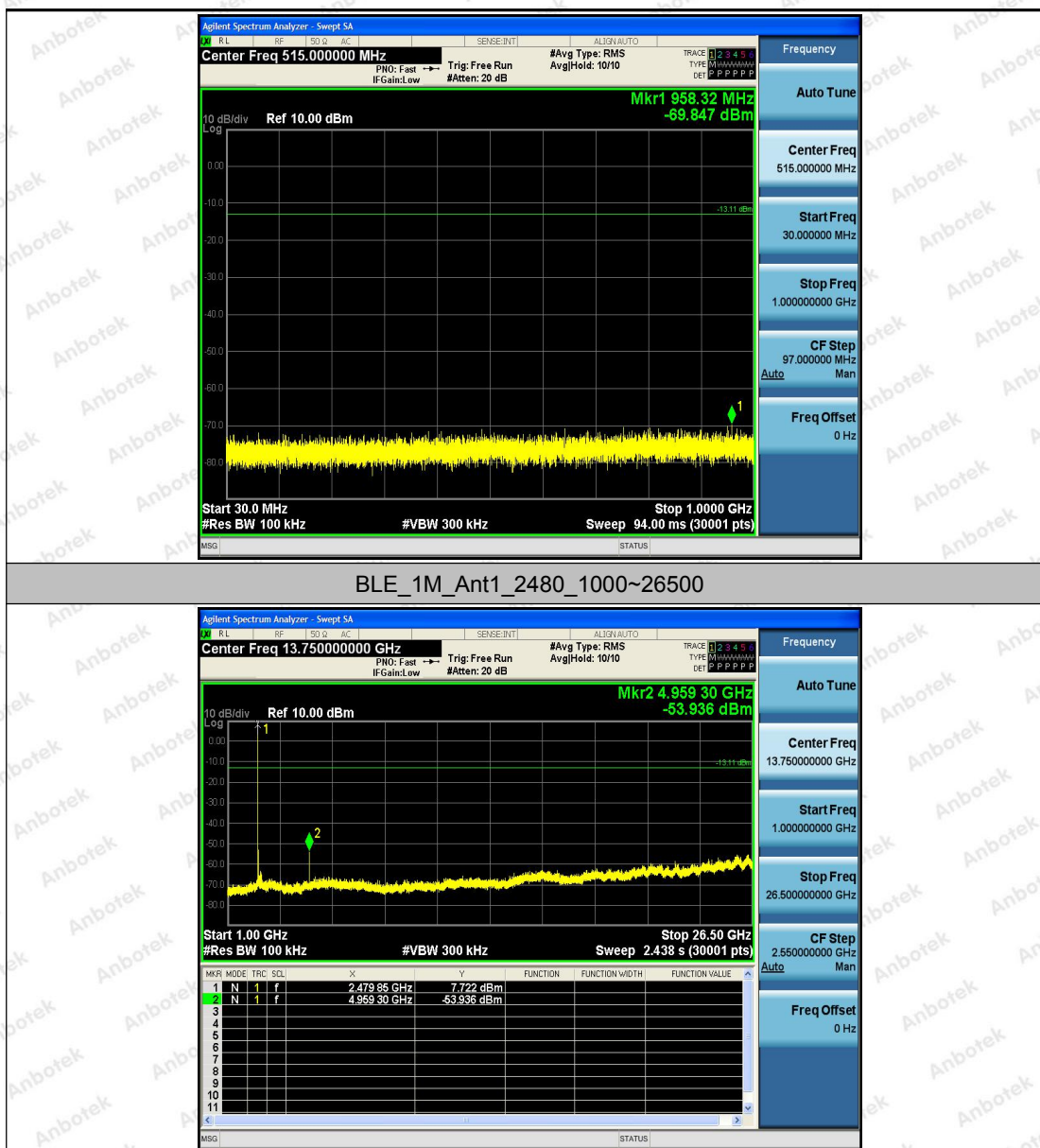
BLE_1M_Ant1_2480_30~1000

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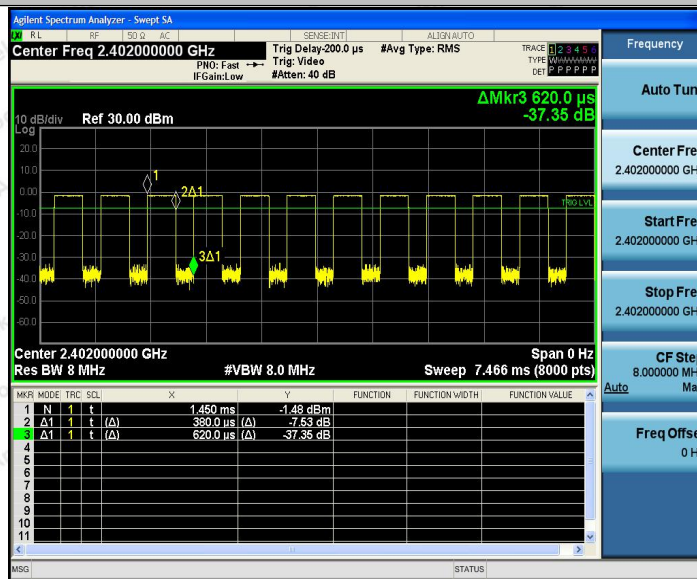
Appendix G: Duty Cycle

Test Result

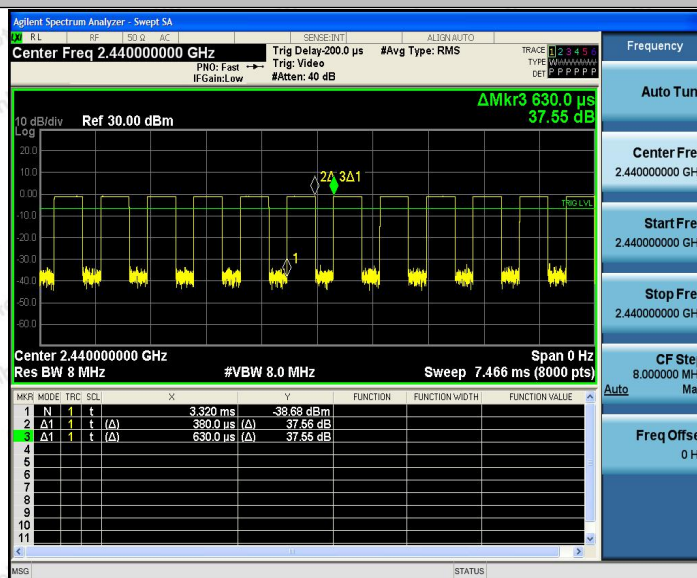
TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.38	0.62	0.612 9	61.29	2.13	---	PASS
		2440	0.38	0.63	0.603 2	60.32	2.20	---	PASS
		2480	0.38	0.63	0.603 2	60.32	2.20	---	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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