

Appendix Test Data

Report No.:	18220WC10179202	Test Date:	2021.9.23
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3C°	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	0.696	2401.644	2402.340	≥0.5	PASS
		2440	0.676	2439.664	2440.340	≥0.5	PASS
		2480	0.700	2479.636	2480.336	≥0.5	PASS

Test Graphs





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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	1.0229	2401.493	2402.516	---	PASS
		2440	1.0266	2439.495	2440.521	---	PASS
		2480	1.0249	2479.498	2480.523	---	PASS

Test Graphs





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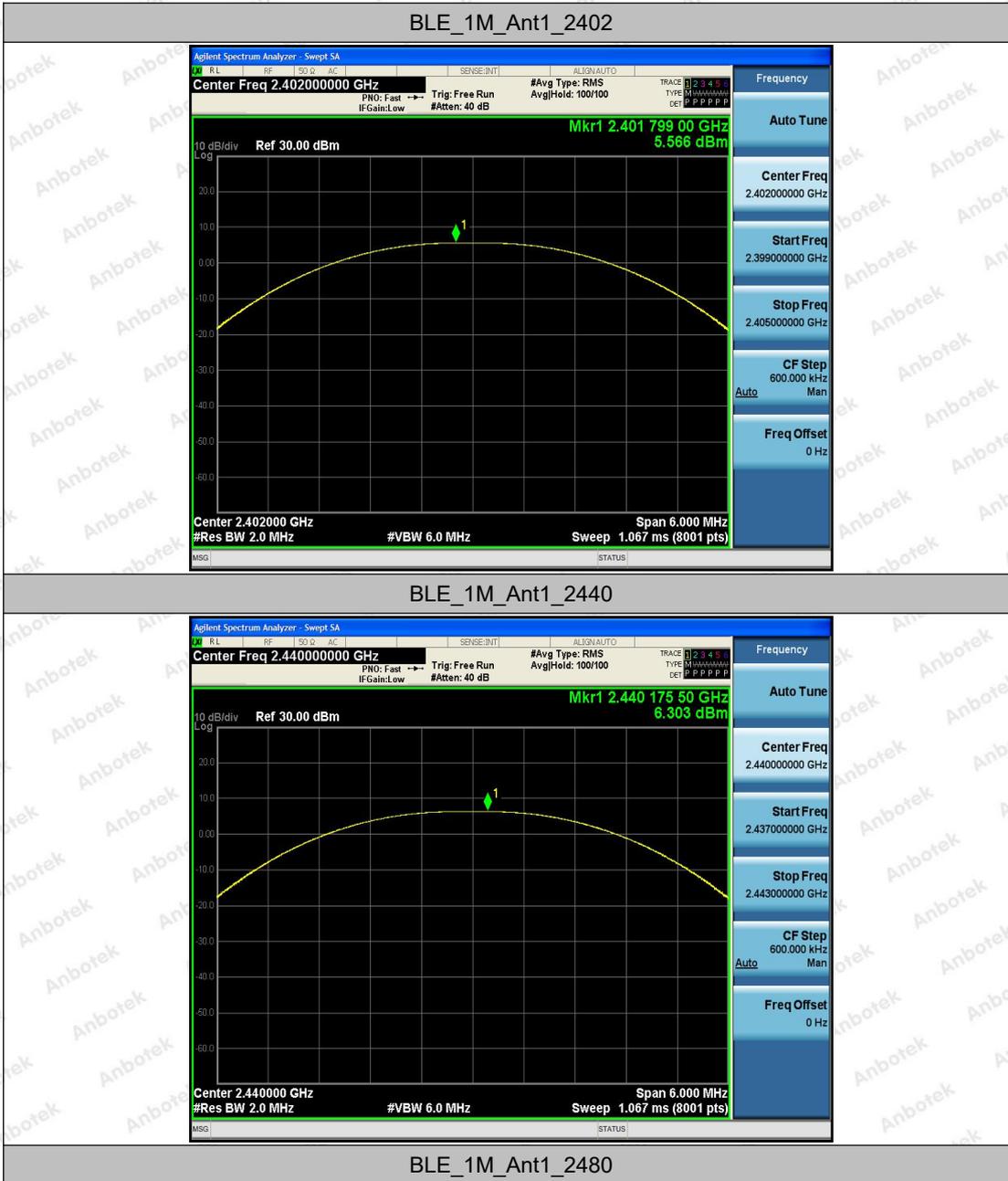
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	5.57	≤30	PASS
		2440	6.3	≤30	PASS
		2480	7.06	≤30	PASS

Test Graphs



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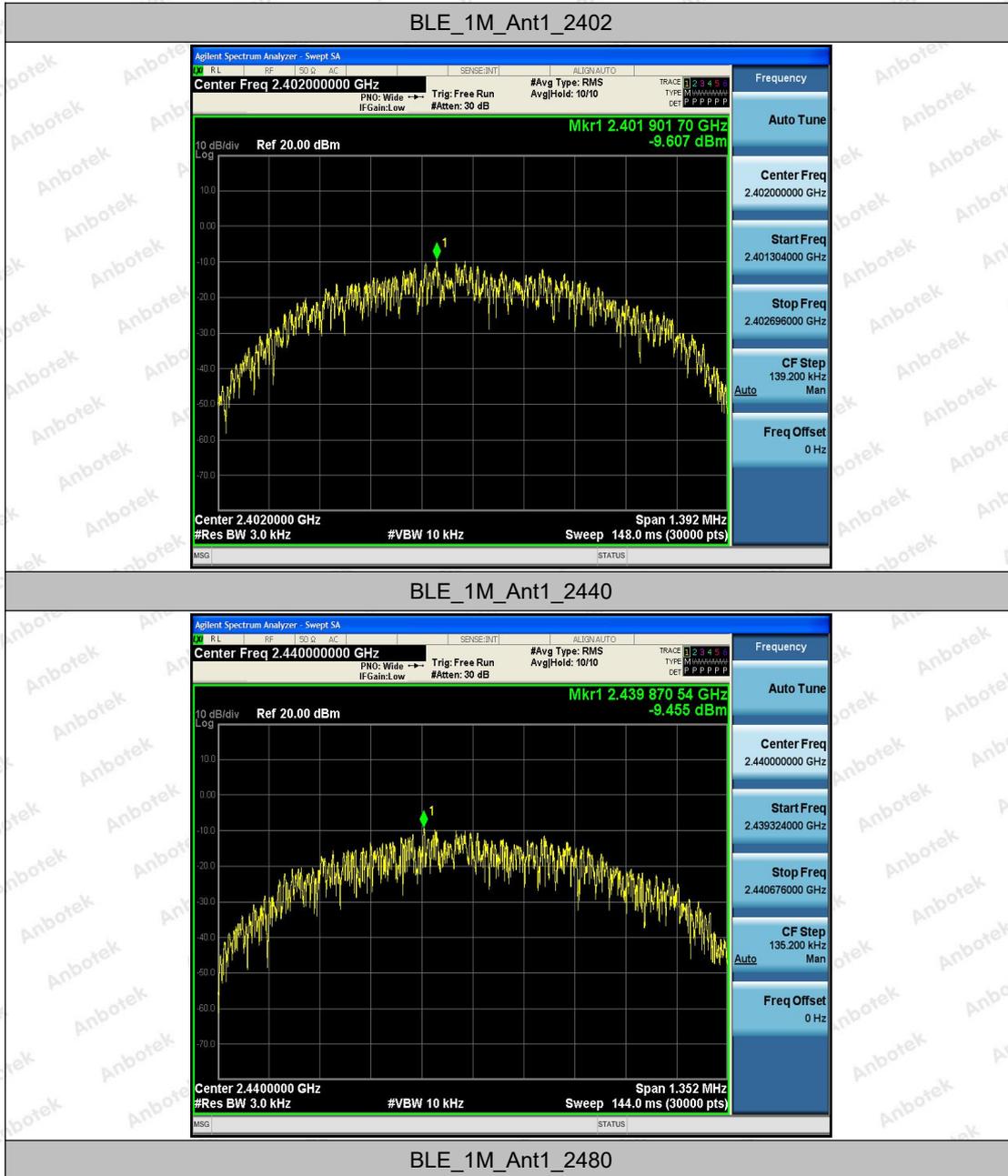
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-9.61	≤8	PASS
		2440	-9.46	≤8	PASS
		2480	-8.53	≤8	PASS

Test Graphs



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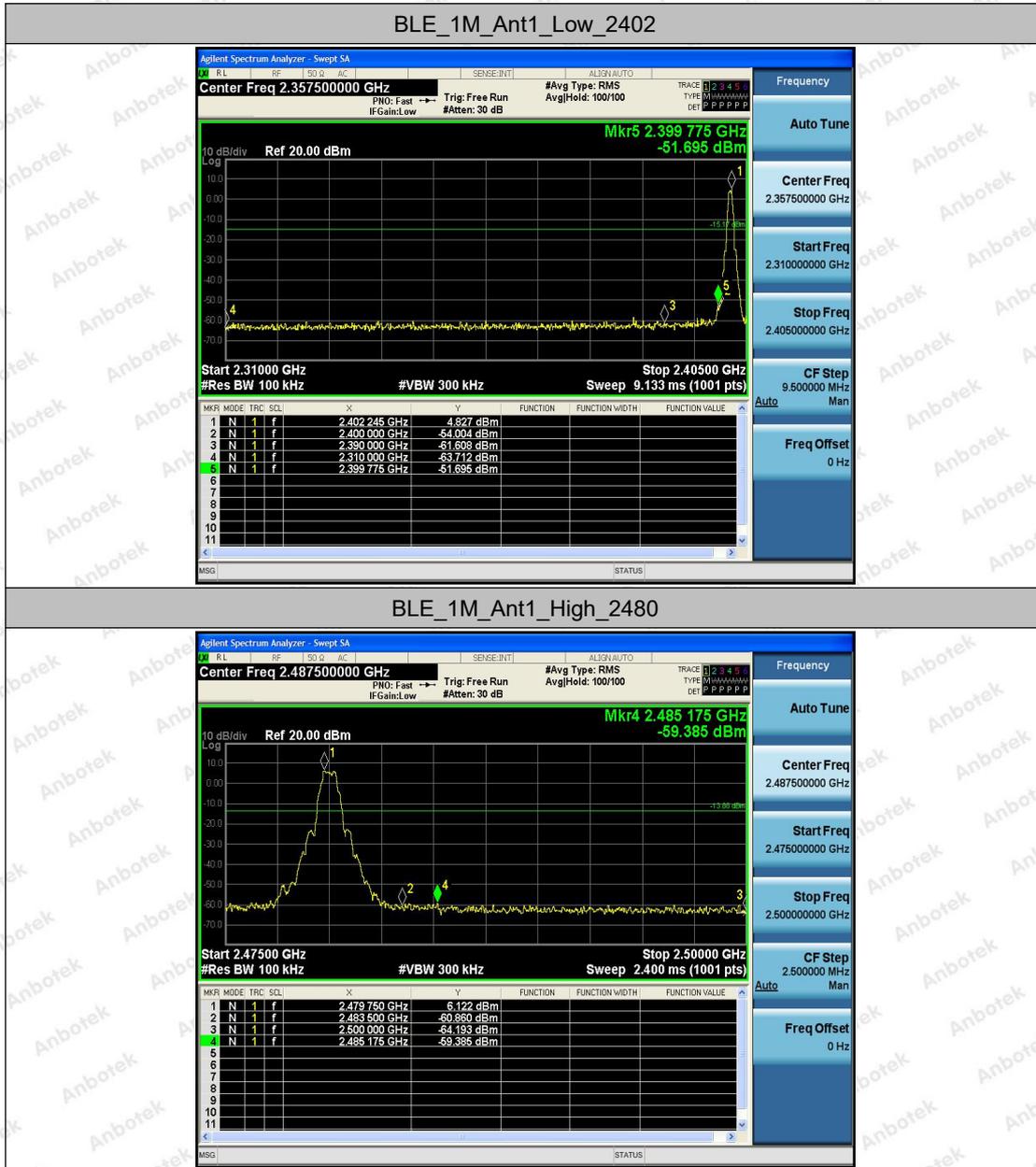
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	4.83	-51.7	≤-15.17	PASS
		High	2480	6.12	-59.39	≤-13.88	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	4.66	4.66	---	PASS
			30~1000	4.66	-69.92	≤-15.34	PASS
			1000~265 00	4.66	-54.99	≤-15.34	PASS
		2440	Reference	5.34	5.34	---	PASS
			30~1000	5.34	-70.27	≤-14.66	PASS
			1000~265 00	5.34	-55.26	≤-14.66	PASS
		2480	Reference	6.19	6.19	---	PASS
			30~1000	6.19	-70.38	≤-13.81	PASS
			1000~265 00	6.19	-54.89	≤-13.81	PASS

Test Graphs

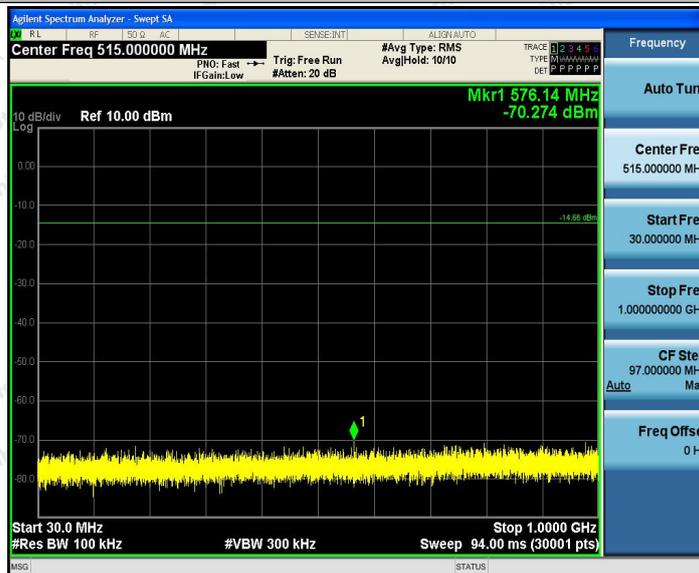




BLE_1M_Ant1_2440_0~Reference



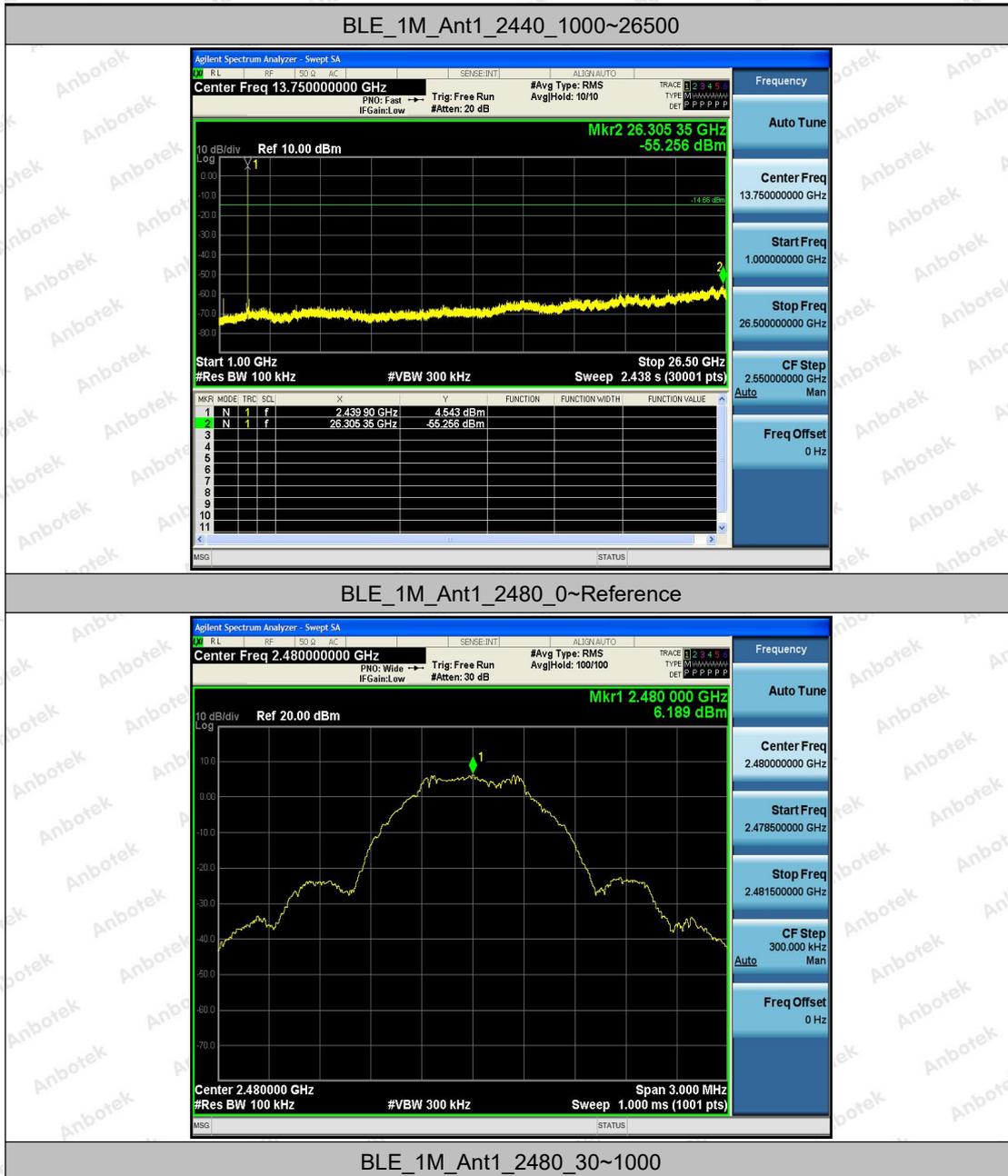
BLE_1M_Ant1_2440_30~1000



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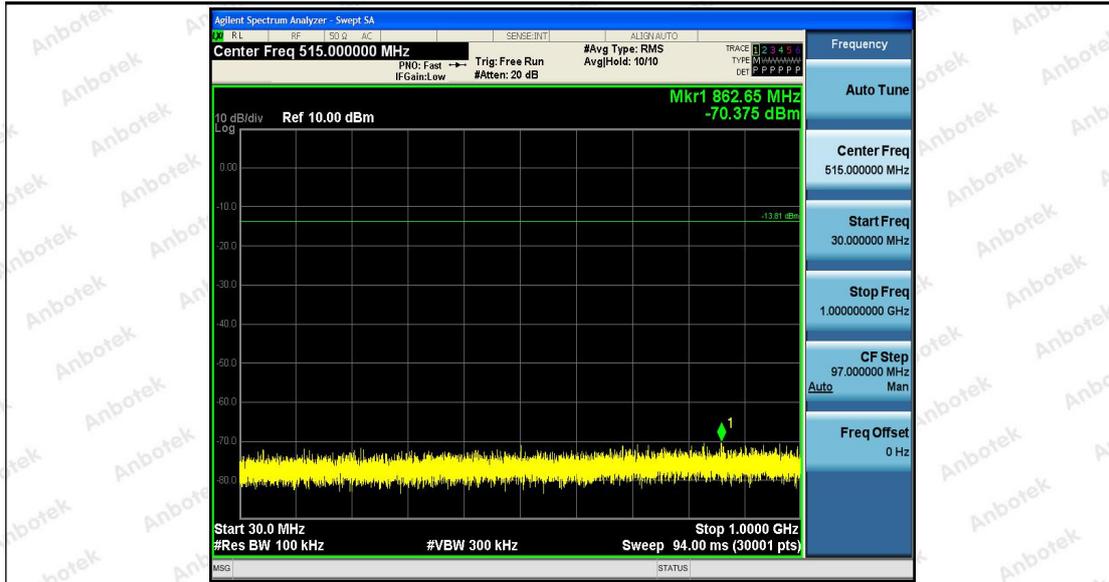


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BLE_1M_Ant1_2480_1000~26500



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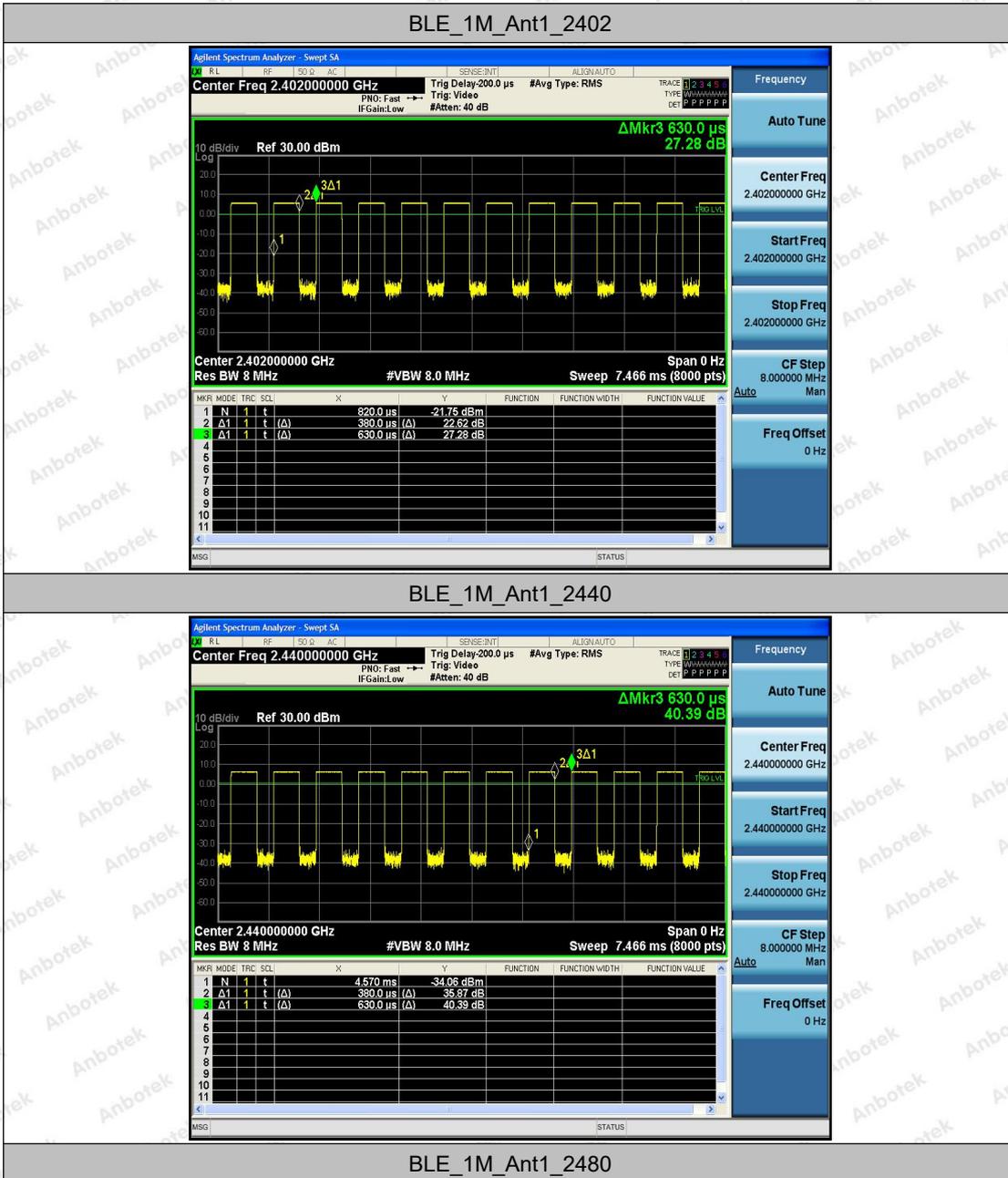
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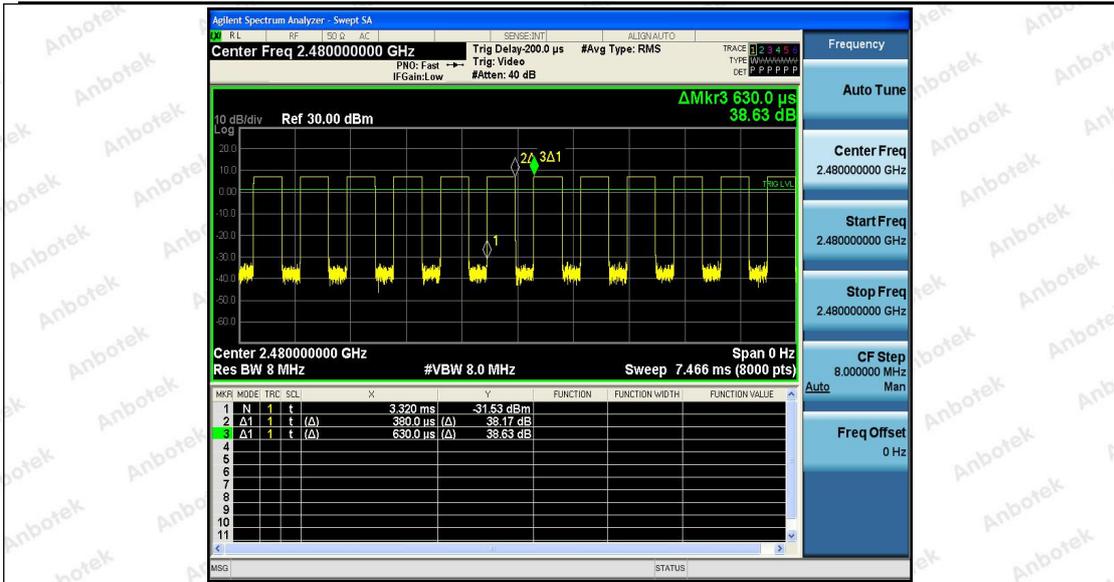
Appendix G: Duty Cycle

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





---End---