

Appendix Test Data

Report No.:	18220WC20119201	Test Sample No.:	1-2-2
Start Test Date:	2022.06.10	Finish Test Date:	2022.06.14
Test Engineer:	<i>Jony.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	0.688	2401.644	2402.332	≥0.5	PASS
		2440	0.696	2439.636	2440.332	≥0.5	PASS
		2480	0.672	2479.660	2480.332	≥0.5	PASS

Test Graphs





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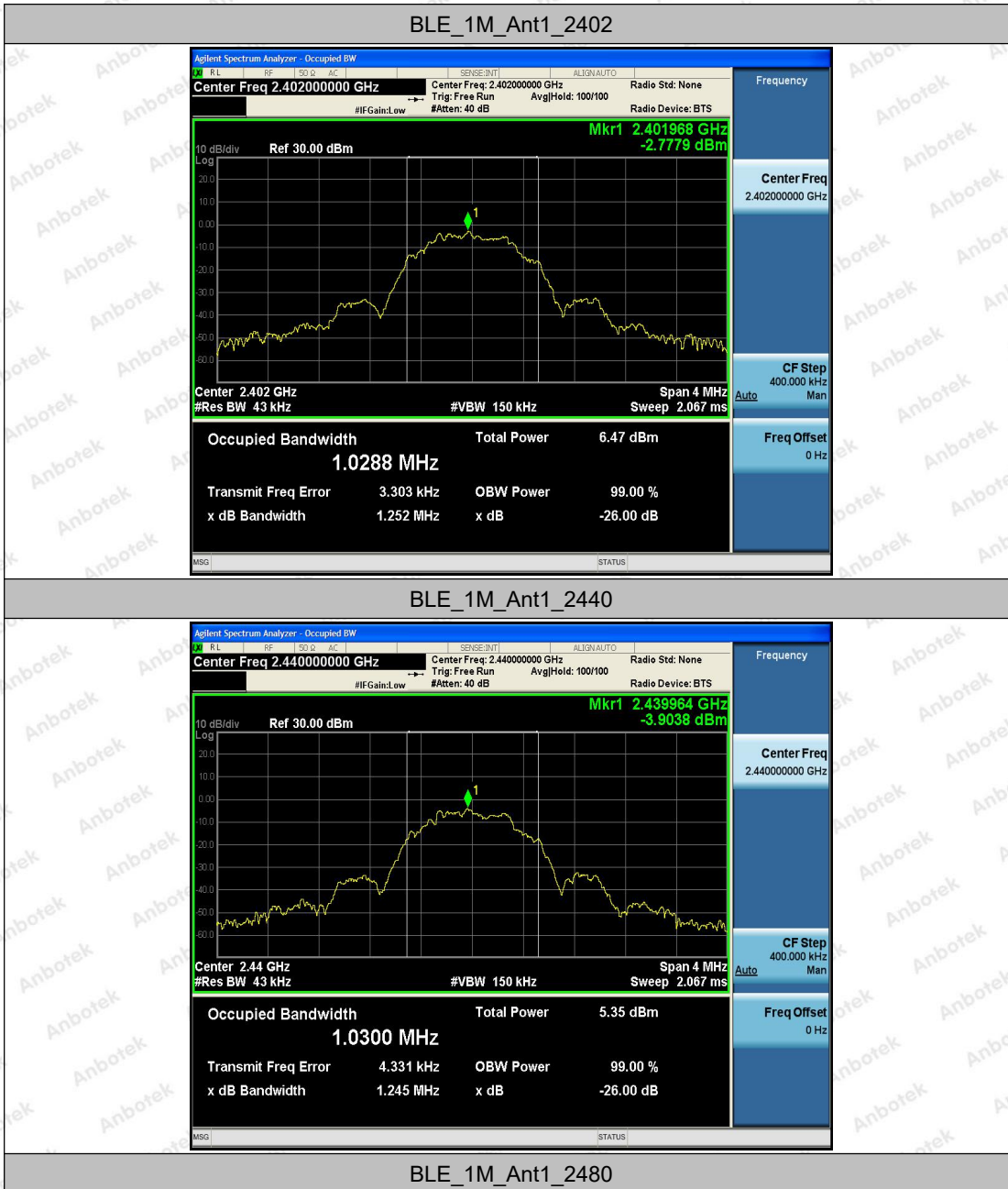
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0288	2401.489	2402.518	---	PASS
		2440	1.0300	2439.489	2440.519	---	PASS
		2480	1.0244	2479.487	2480.512	---	PASS

Test Graphs





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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.07	≤30	PASS
		2440	-1.13	≤30	PASS
		2480	0.32	≤30	PASS

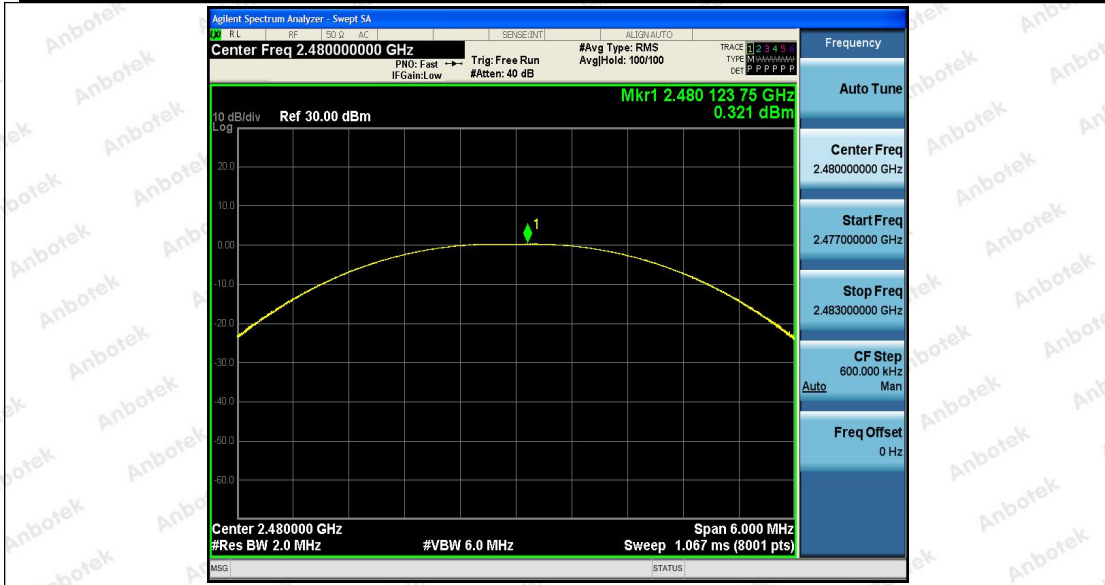
Test Graphs



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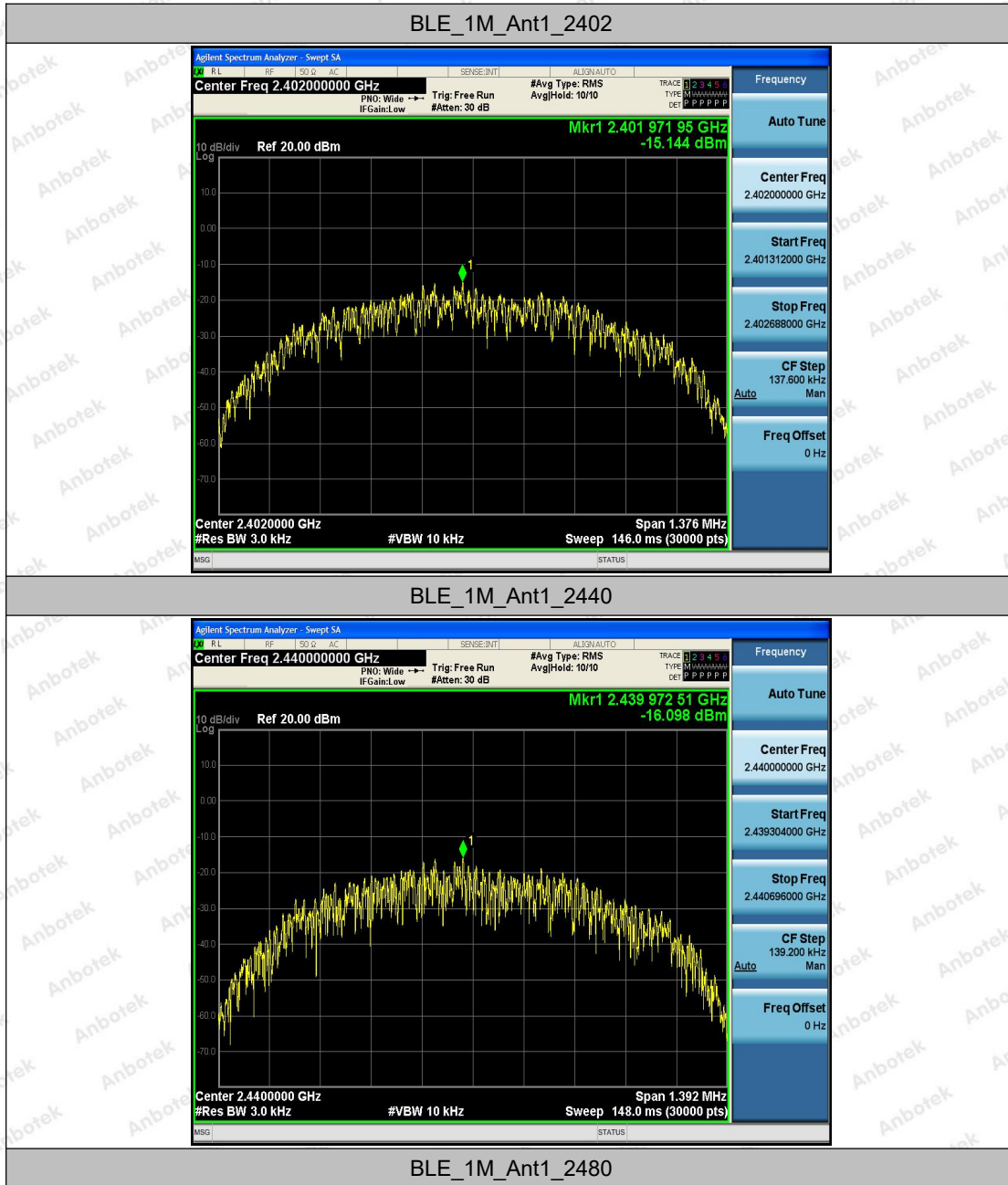
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.14	≤ 8	PASS
		2440	-16.1	≤ 8	PASS
		2480	-14.79	≤ 8	PASS

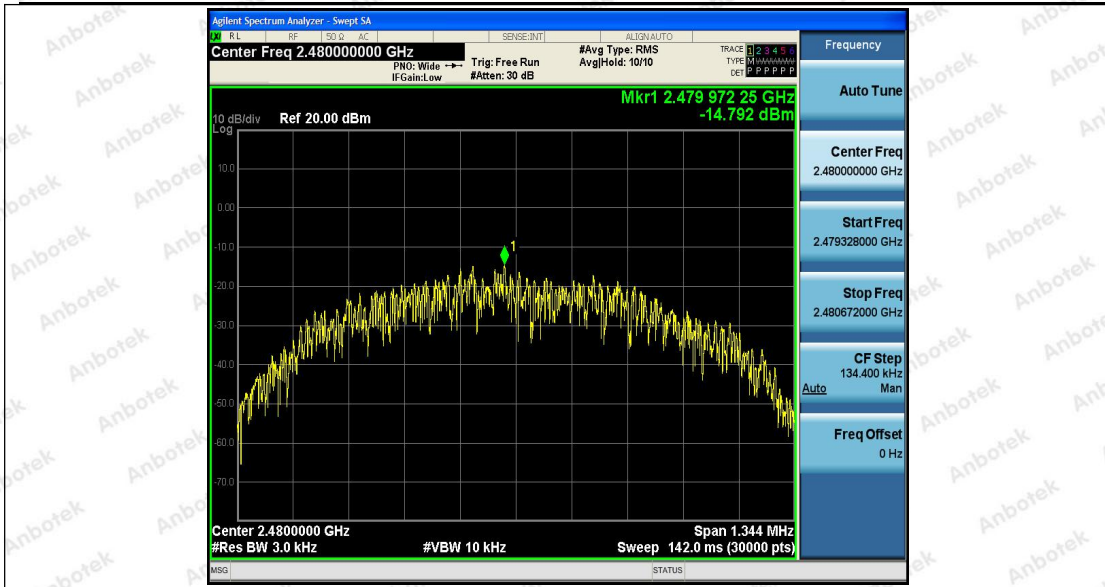
Test Graphs



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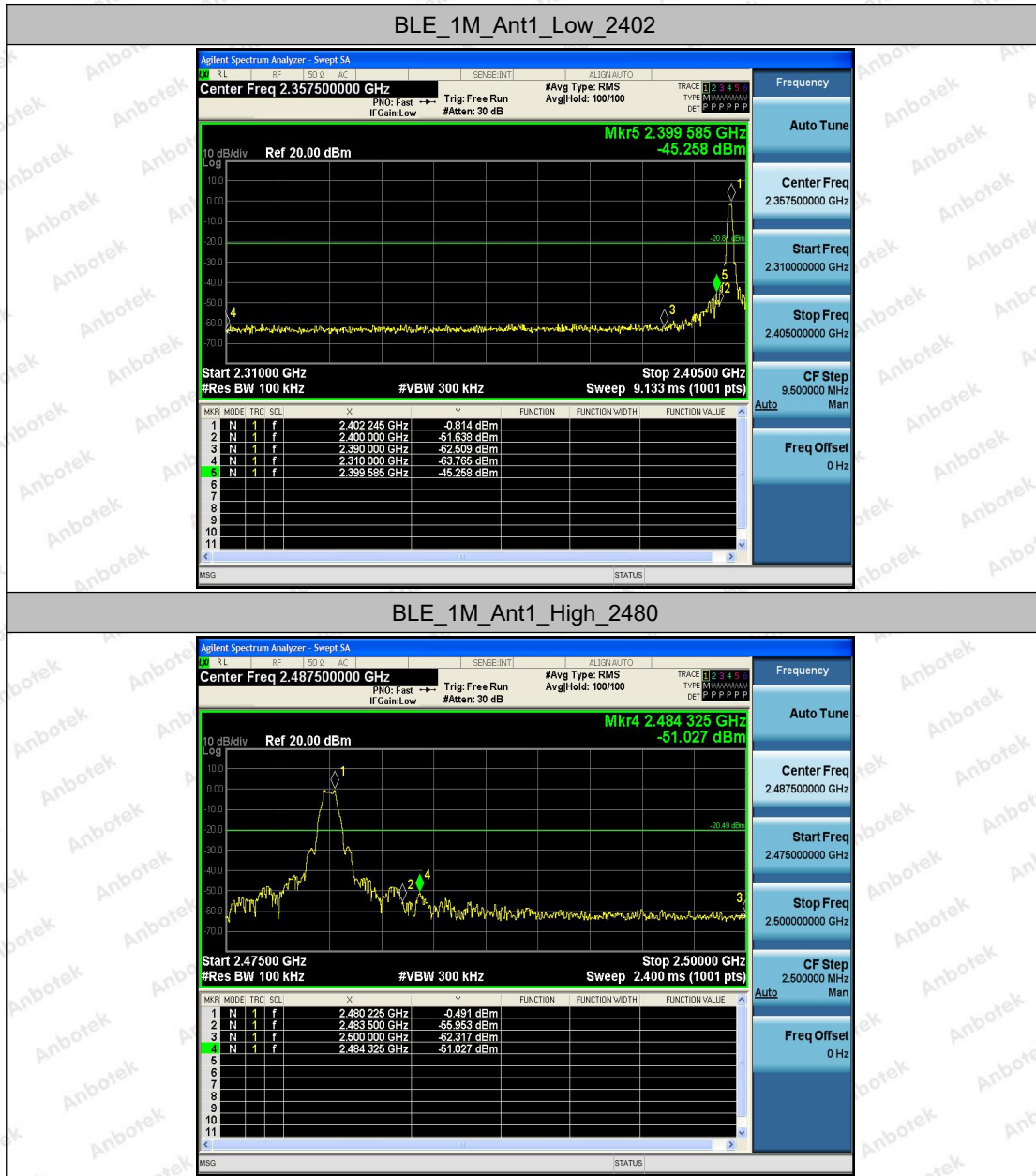
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.81	-45.26	≤-20.81	PASS
		High	2480	-0.49	-51.03	≤-20.49	PASS

Test Graphs



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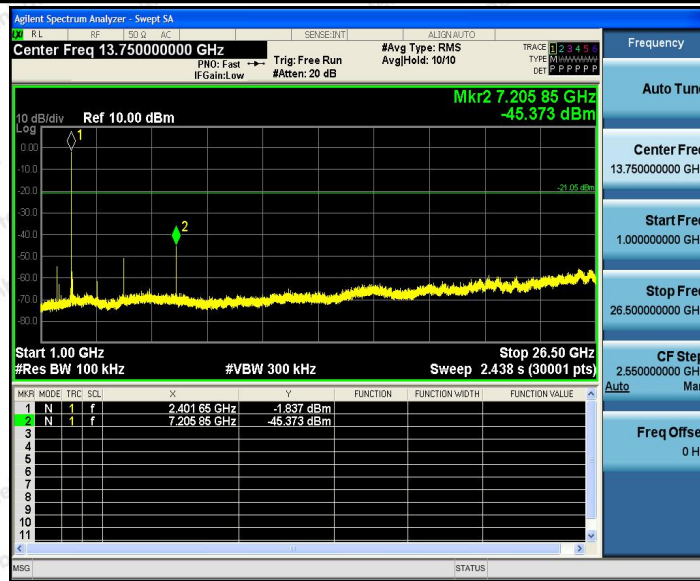
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-1.05	-1.05	---	PASS
			30~1000	-1.05	-70.09	≤-21.05	PASS
			1000~265 00	-1.05	-45.37	≤-21.05	PASS
		2440	Reference	-1.88	-1.88	---	PASS
			30~1000	-1.88	-70.62	≤-21.88	PASS
			1000~265 00	-1.88	-49.6	≤-21.88	PASS
		2480	Reference	-0.49	-0.49	---	PASS
			30~1000	-0.49	-70.16	≤-20.49	PASS
			1000~265 00	-0.49	-50.14	≤-20.49	PASS

Test Graphs

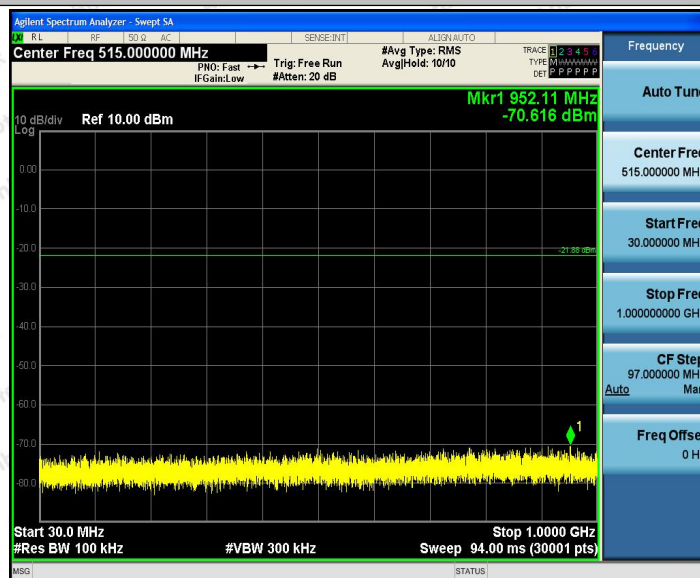




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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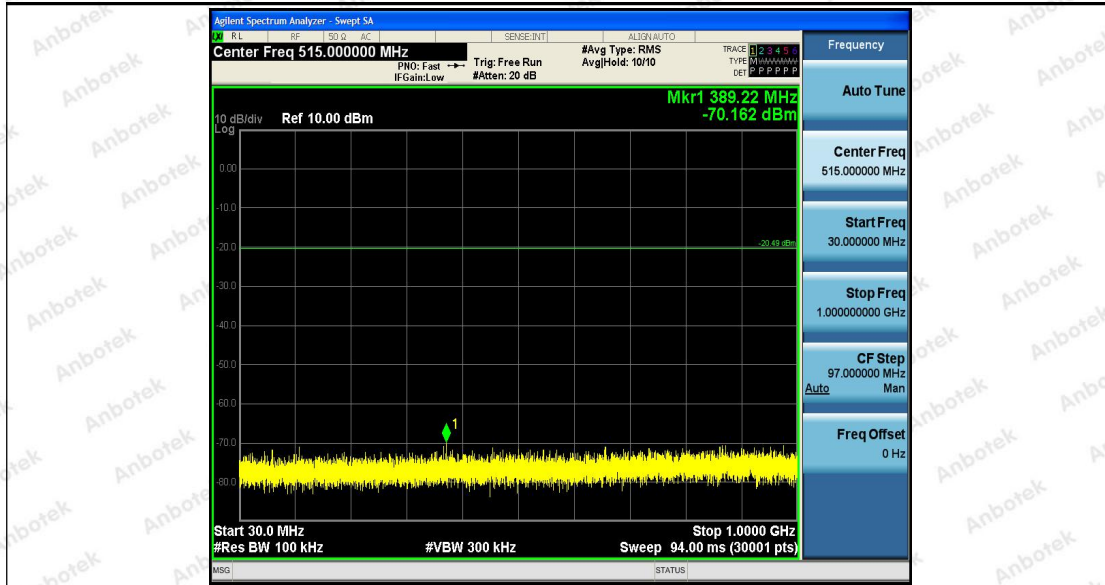
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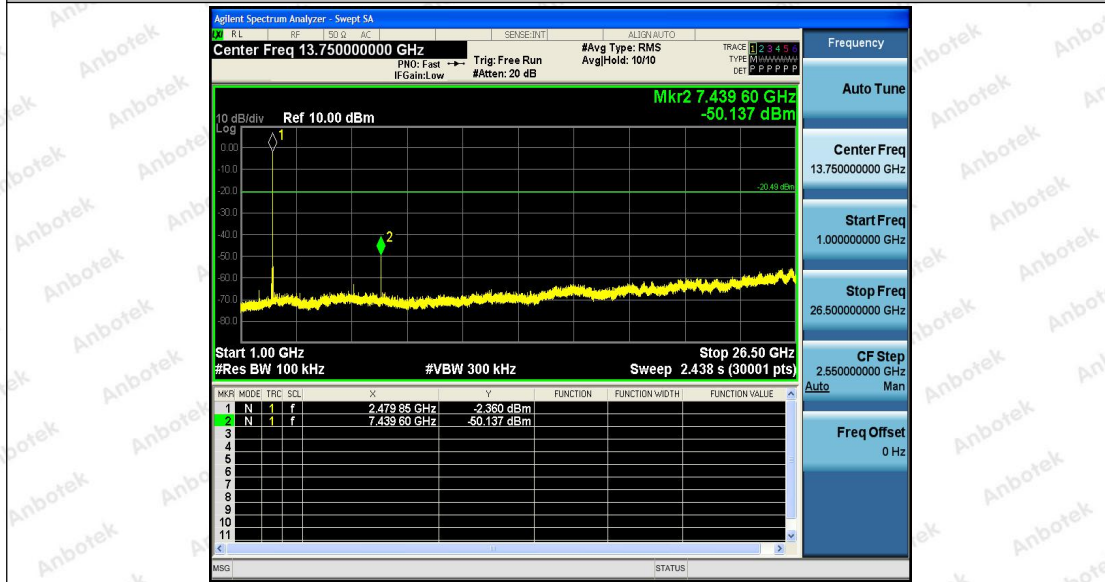
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BLE_1M_Ant1_2480_1000~26500



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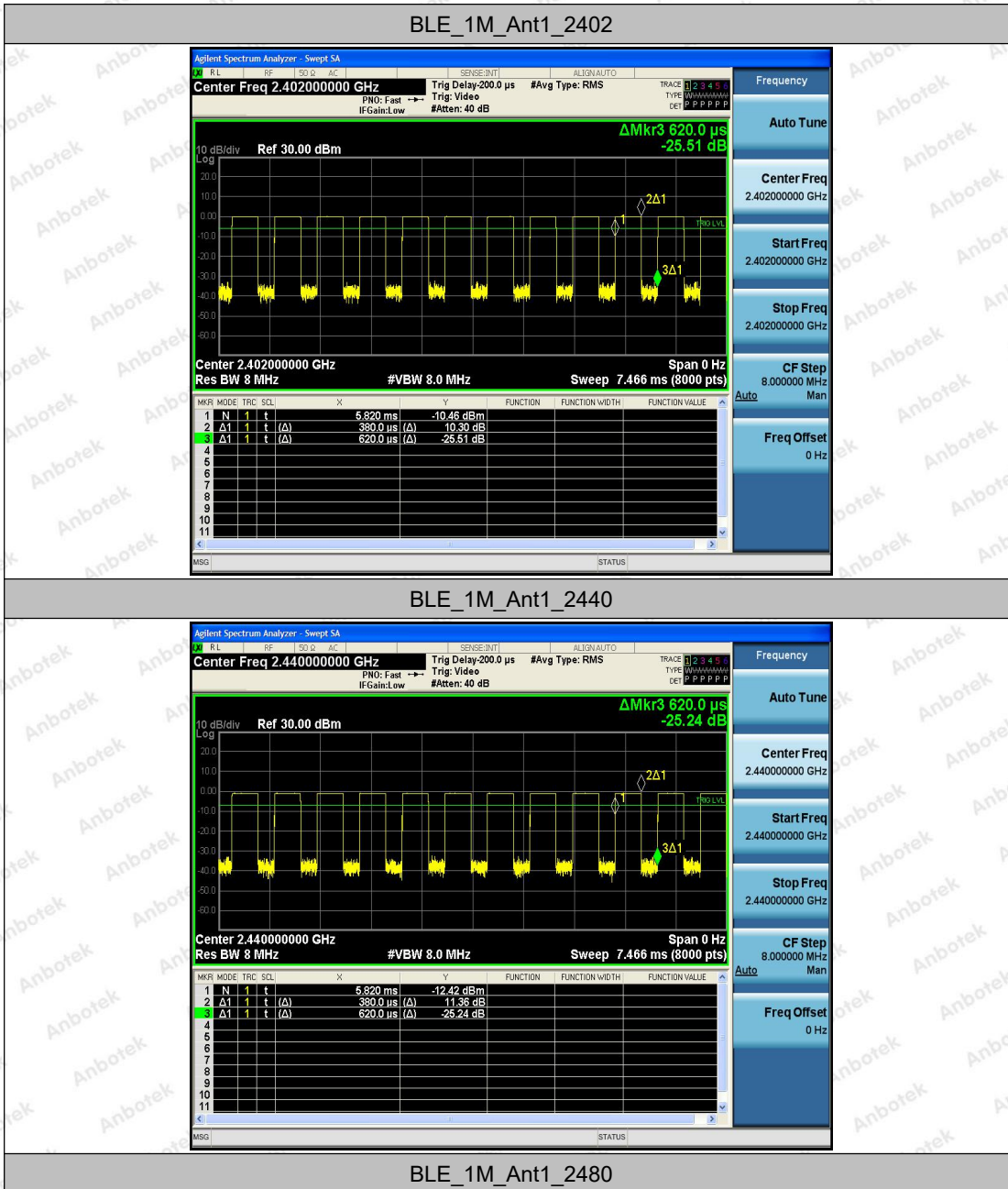
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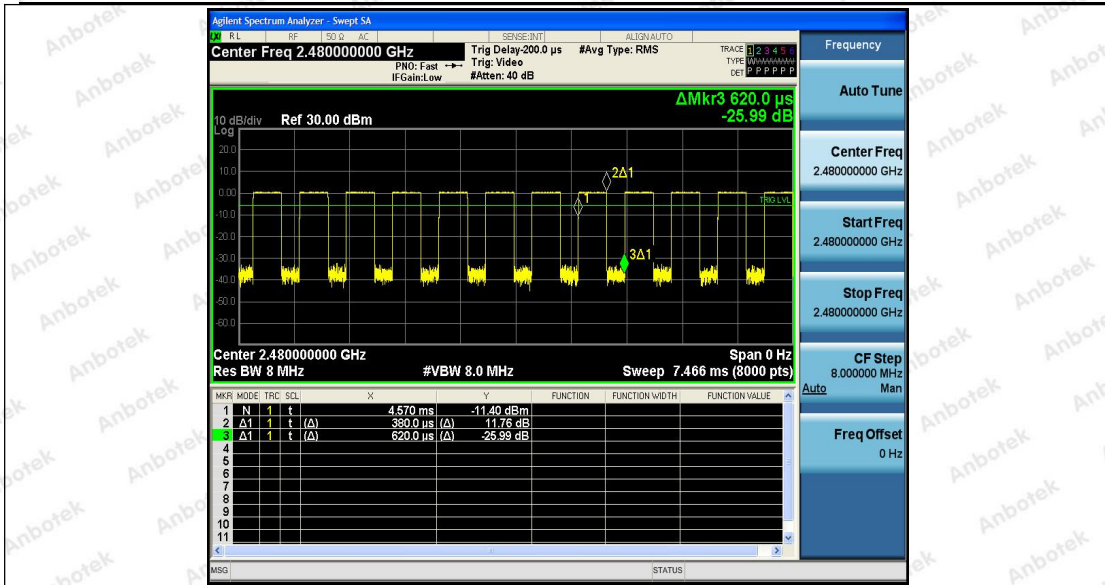
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.38	0.62	0.6129	61.29	2.13	---	PASS
		2440	0.38	0.62	0.6129	61.29	2.13	---	PASS
		2480	0.38	0.62	0.6129	61.29	2.13	---	PASS

Test Graphs





---End---