

Appendix Test Data

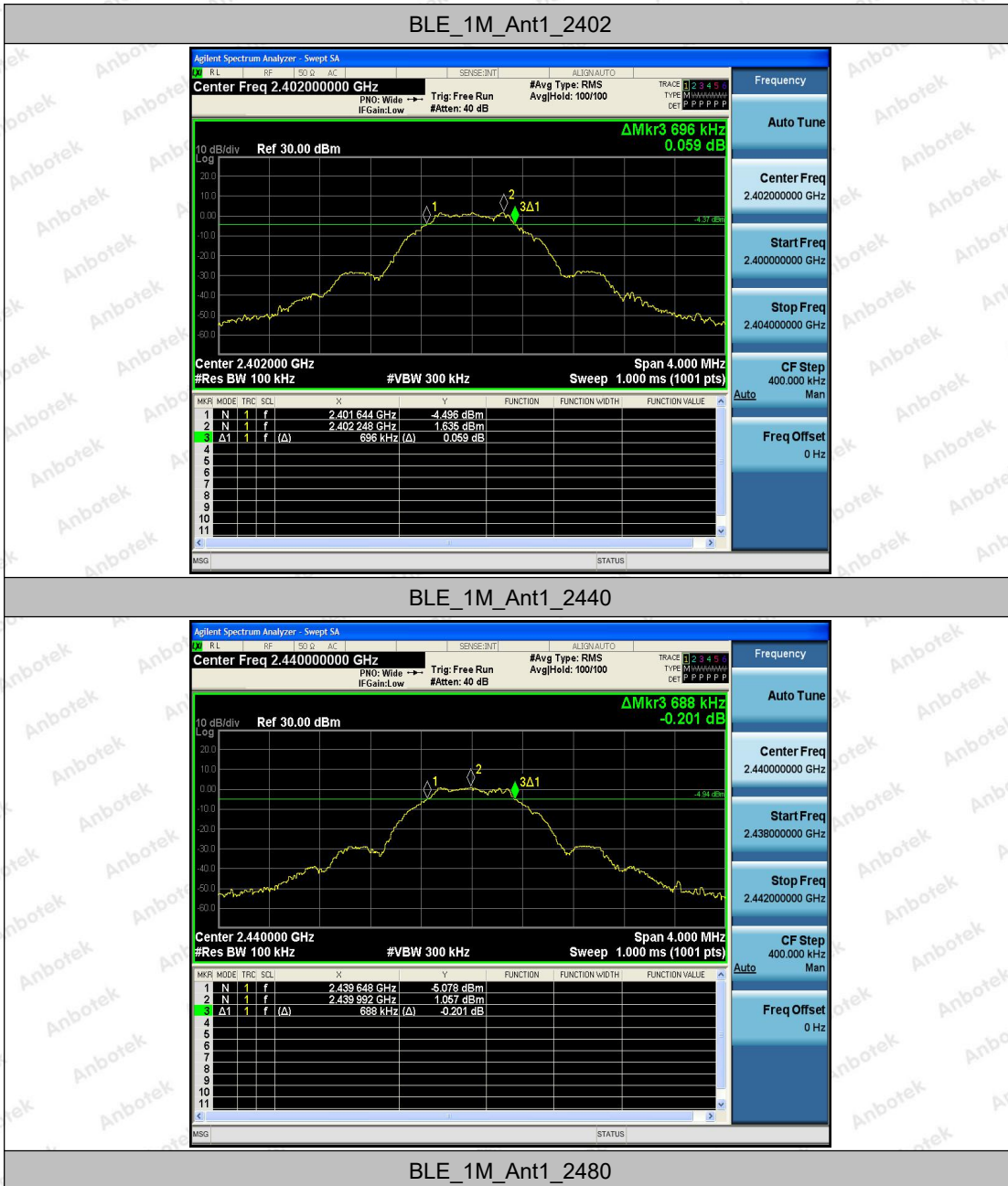
Report No.:	18220WC20007701	Test Sample No.:	1-2-2
Start Test Date:	2022.1.12	Finish Test Date:	2022.1.20
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	23.3°C	Relative Humidity:	57 %
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.696	2401.644	2402.340	≥0.5	PASS
		2440	0.688	2439.648	2440.336	≥0.5	PASS
		2480	0.712	2479.640	2480.352	≥0.5	PASS

Test Graphs





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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	1.0345	2401.495	2402.530	---	PASS
		2440	1.0256	2439.495	2440.521	---	PASS
		2480	1.0255	2479.498	2480.523	---	PASS


Test Graphs





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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	2.56	≤30	PASS
		2440	1.94	≤30	PASS
		2480	2.8	≤30	PASS

Test Graphs

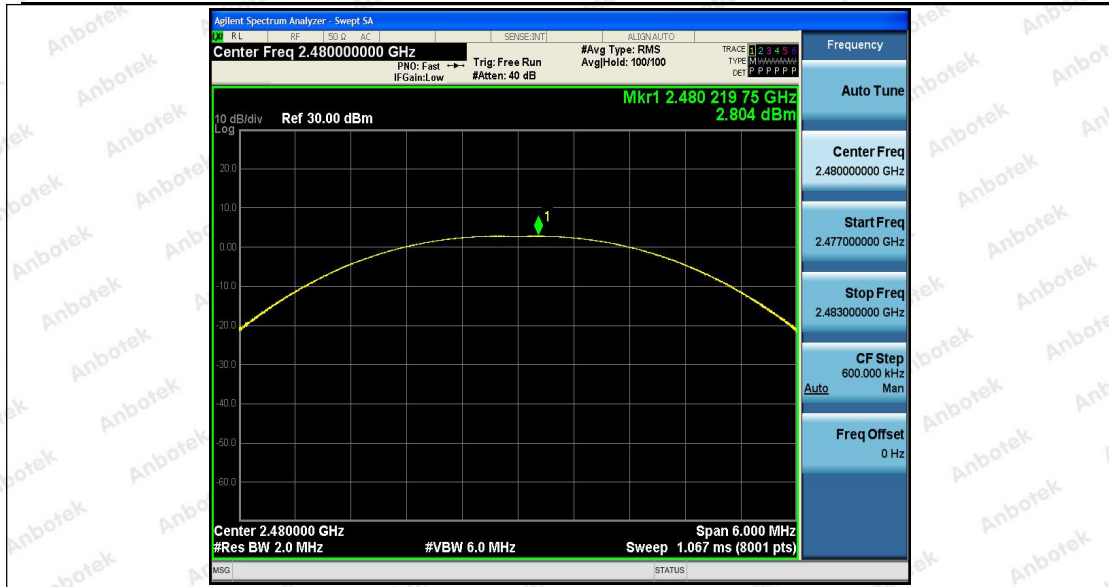


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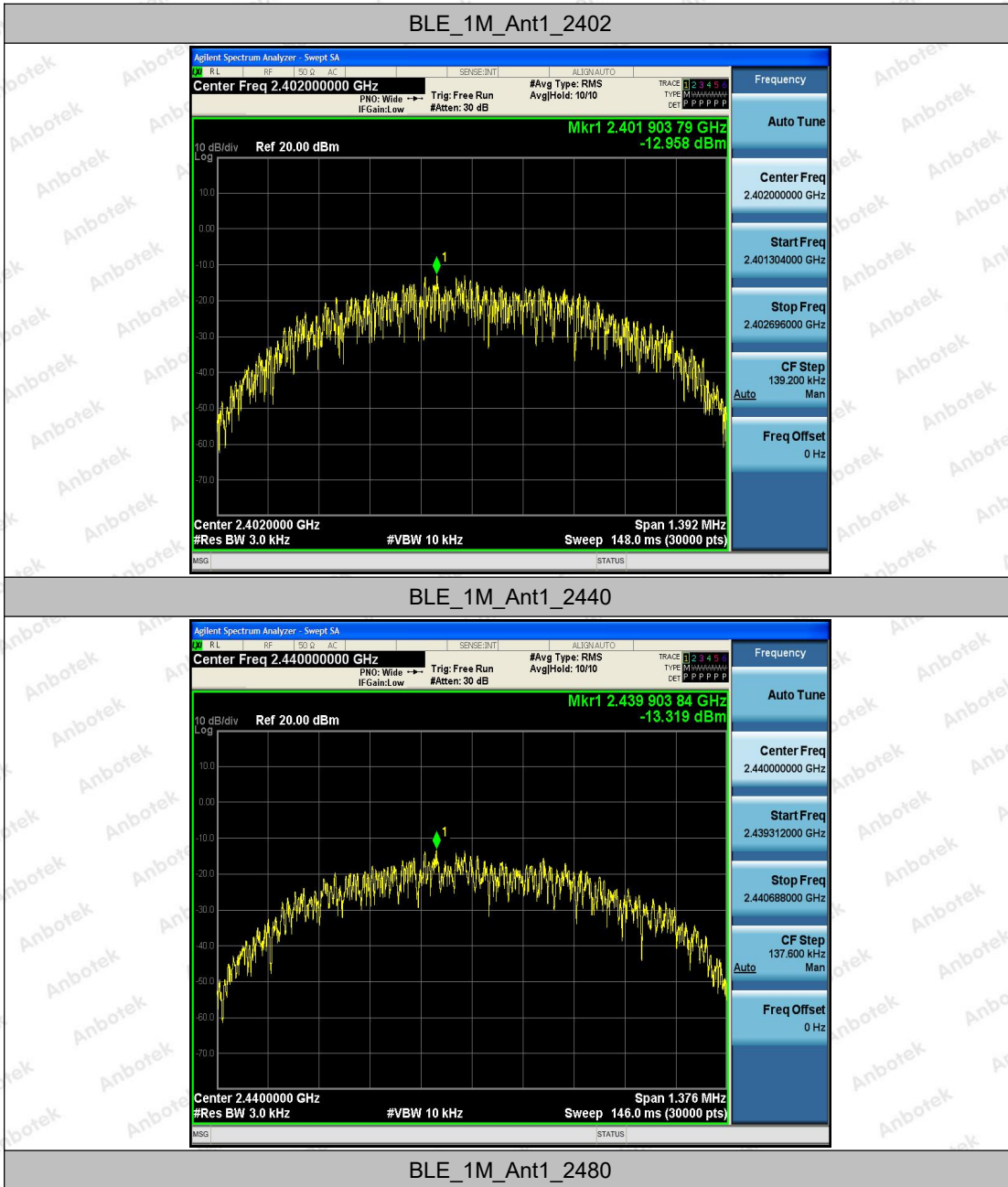
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Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.96	≤8	PASS
		2440	-13.32	≤8	PASS
		2480	-12.24	≤8	PASS

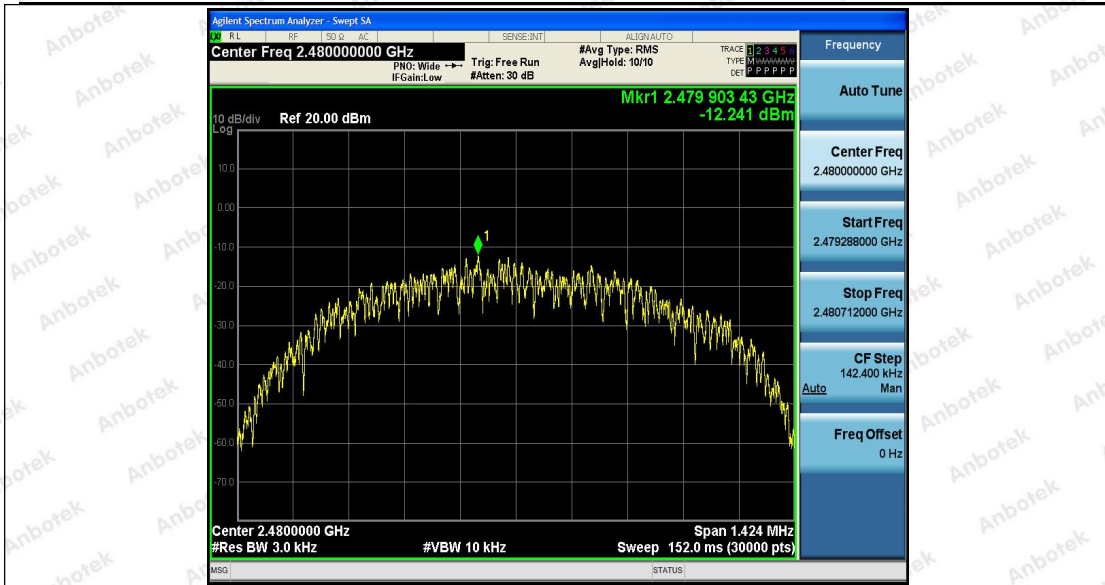
Test Graphs



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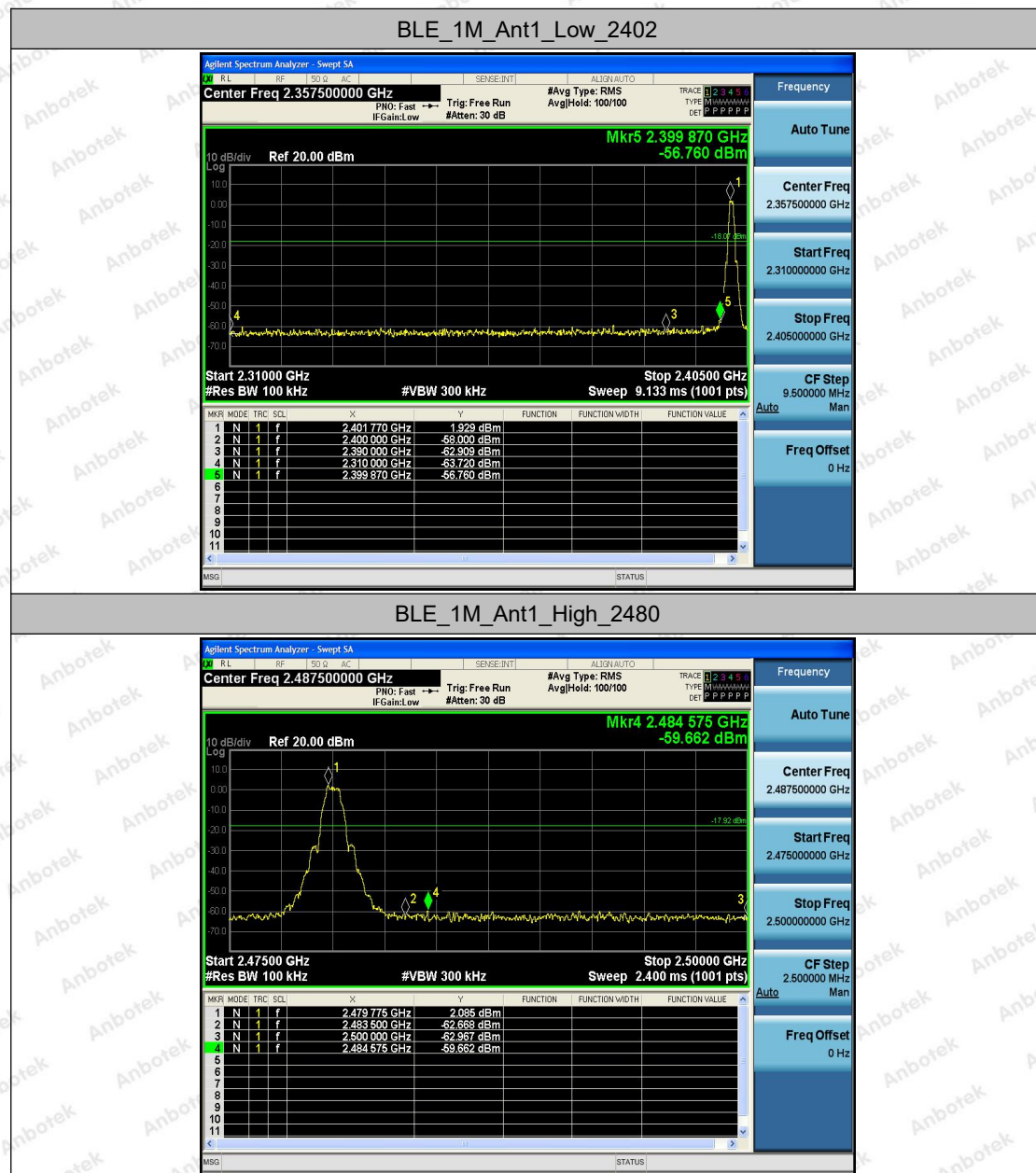
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch Name	Channel	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.93	-56.76	≤-18.07	PASS
		High	2480	2.09	-59.66	≤-17.92	PASS

Test Graphs



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	1.70	1.70	---	PASS
			30~1000	1.70	-69.52	≤-18.3	PASS
			1000~26500	1.70	-54.37	≤-18.3	PASS
		2440	Reference	0.88	0.88	---	PASS
			30~1000	0.88	-70.97	≤-19.12	PASS
			1000~26500	0.88	-55.52	≤-19.12	PASS
		2480	Reference	1.94	1.94	---	PASS
			30~1000	1.94	-70.93	≤-18.06	PASS
			1000~26500	1.94	-56.27	≤-18.06	PASS

Test Graphs

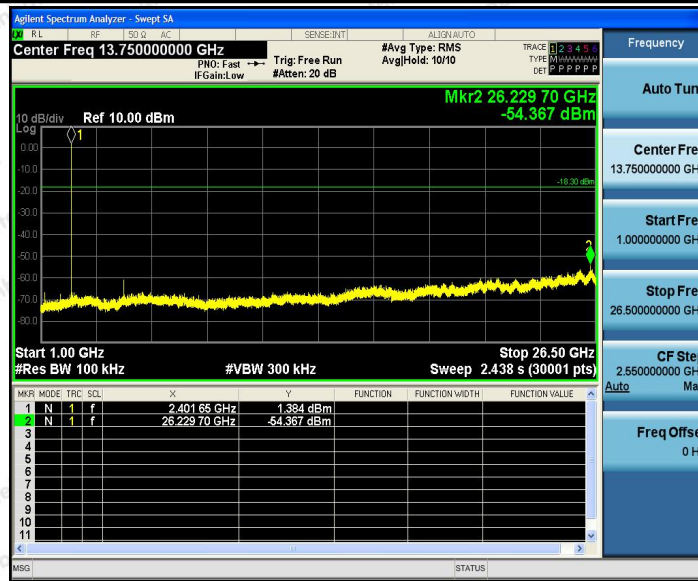


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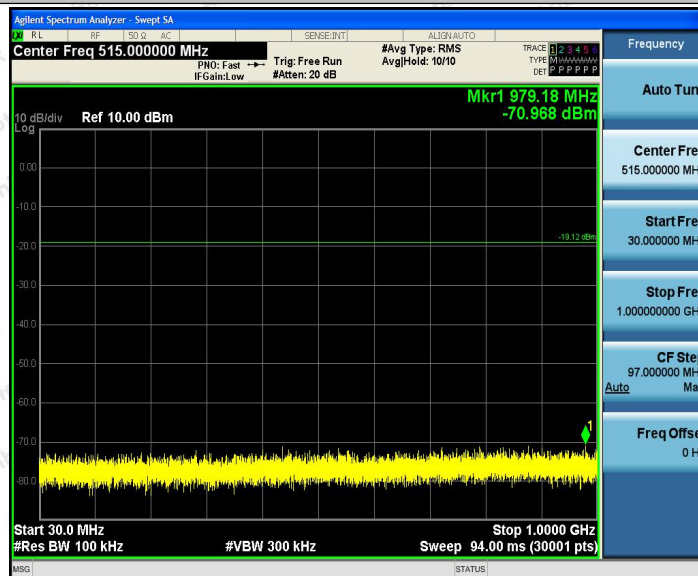
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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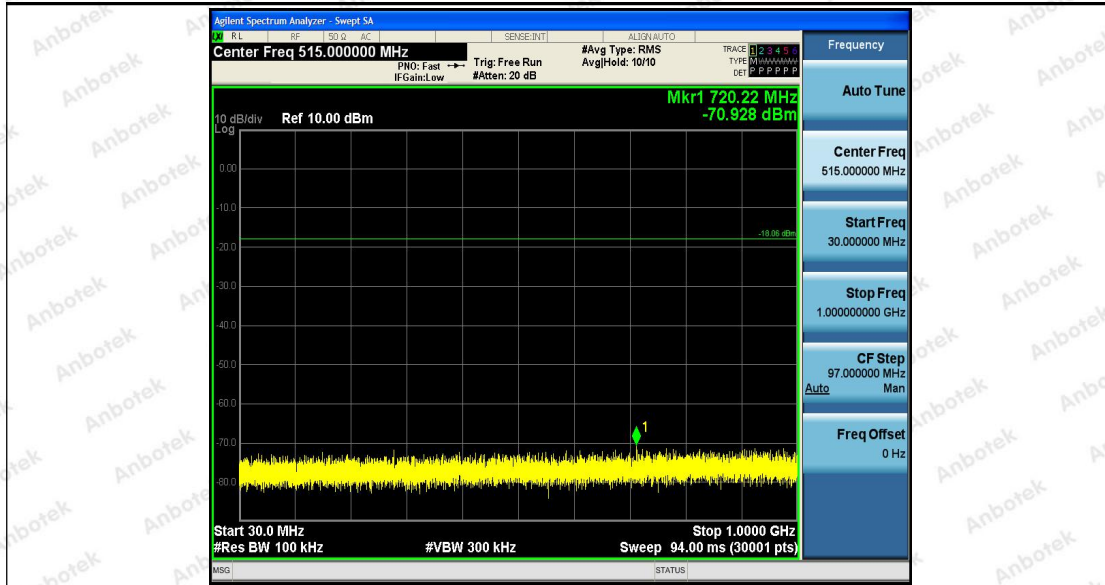


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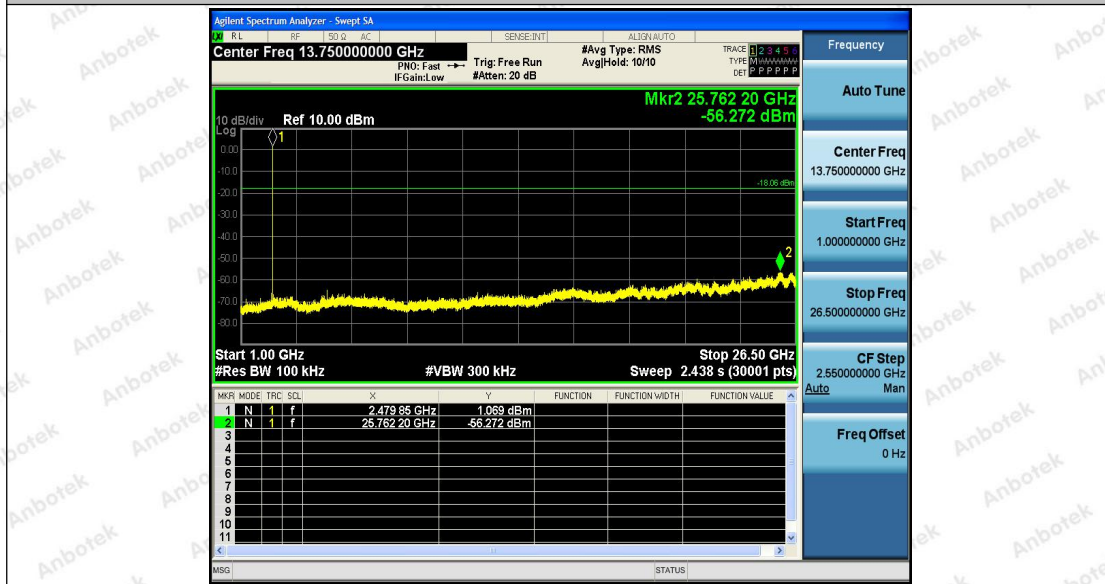
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BLE_1M_Ant1_2480_1000~26500



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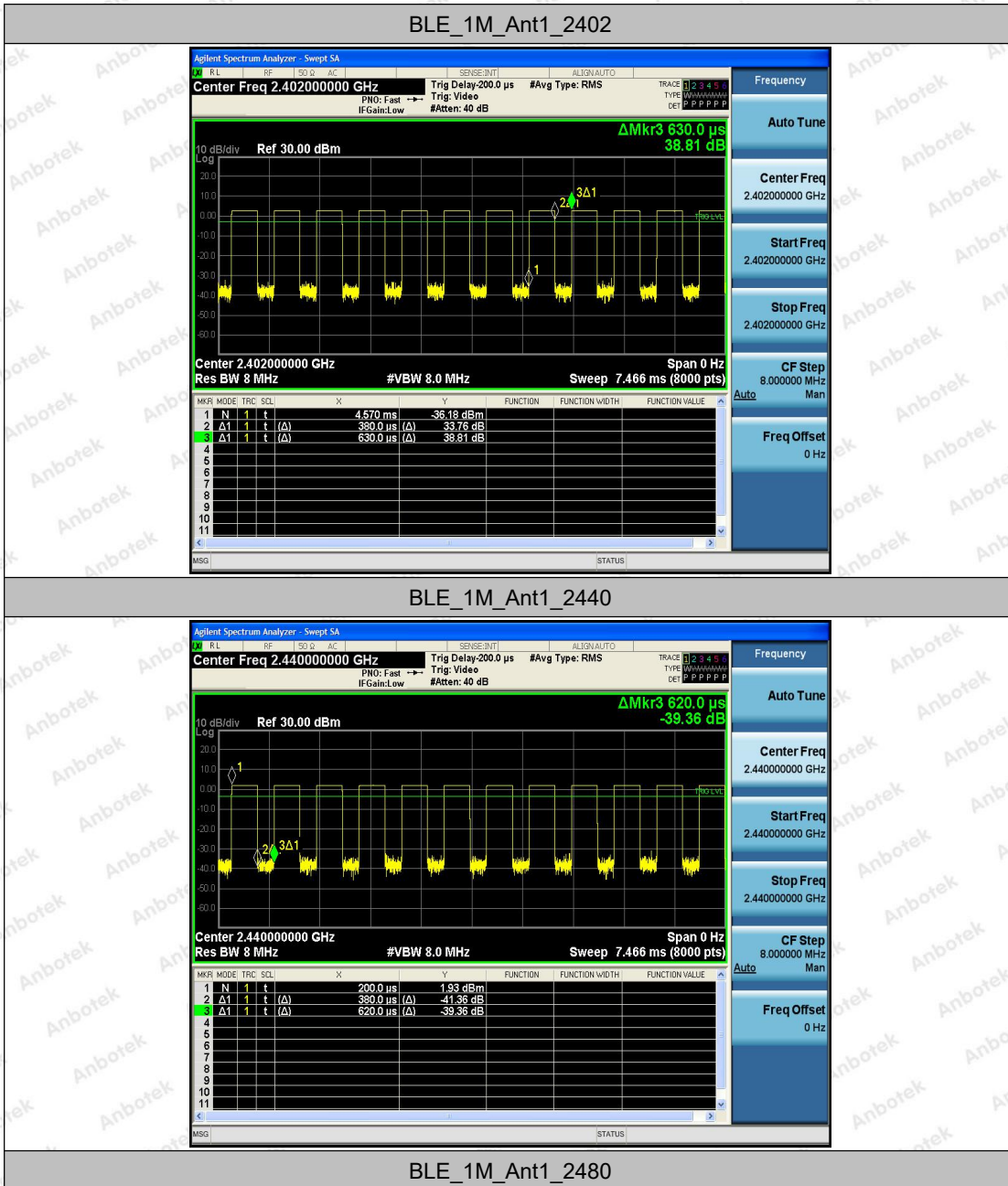
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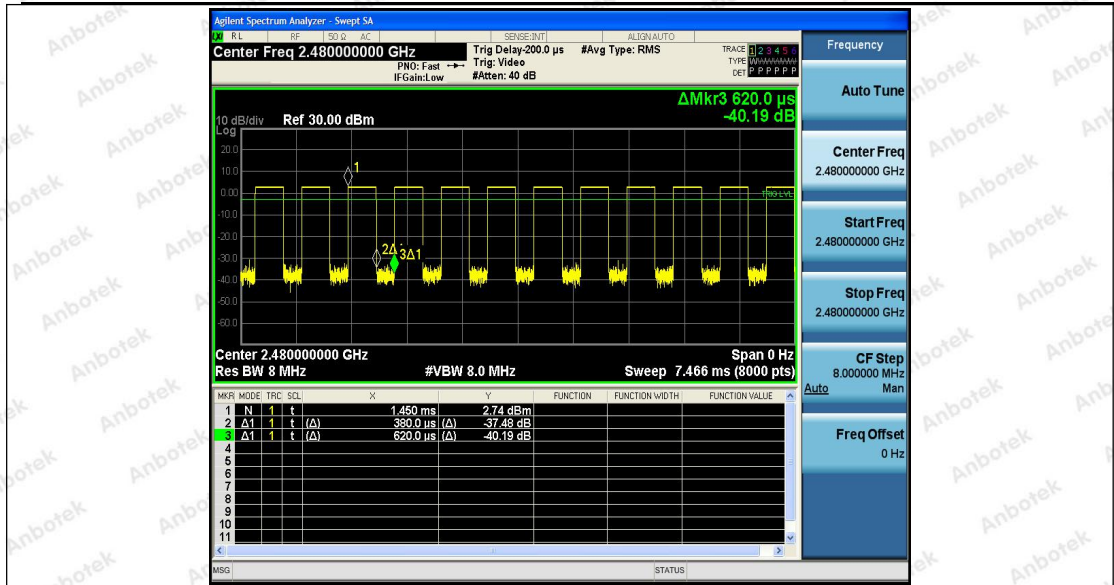
Appendix G: Duty Cycle

Test Result

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	0.62	0.6129	61.29	2.13	---	PASS
		2480	0.38	0.62	0.6129	61.29	2.13	---	PASS

Test Graphs





---End---