

Appendix Test Data

Report No.:	18220WC20085302	Test Sample No.:	1-2-2
Start Test Date:	2022.4.19	Finish Test Date:	2022.4.25
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.3°C	Relative Humidity:	56 %
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	0.668	2401.668	2402.336	≥0.5	PASS
		2440	0.688	2439.648	2440.336	≥0.5	PASS
		2480	0.684	2479.644	2480.328	≥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	1.0330	2401.494	2402.527	---	PASS
		2440	1.0278	2439.494	2440.521	---	PASS
		2480	1.0178	2479.495	2480.513	---	PASS

Test Graphs





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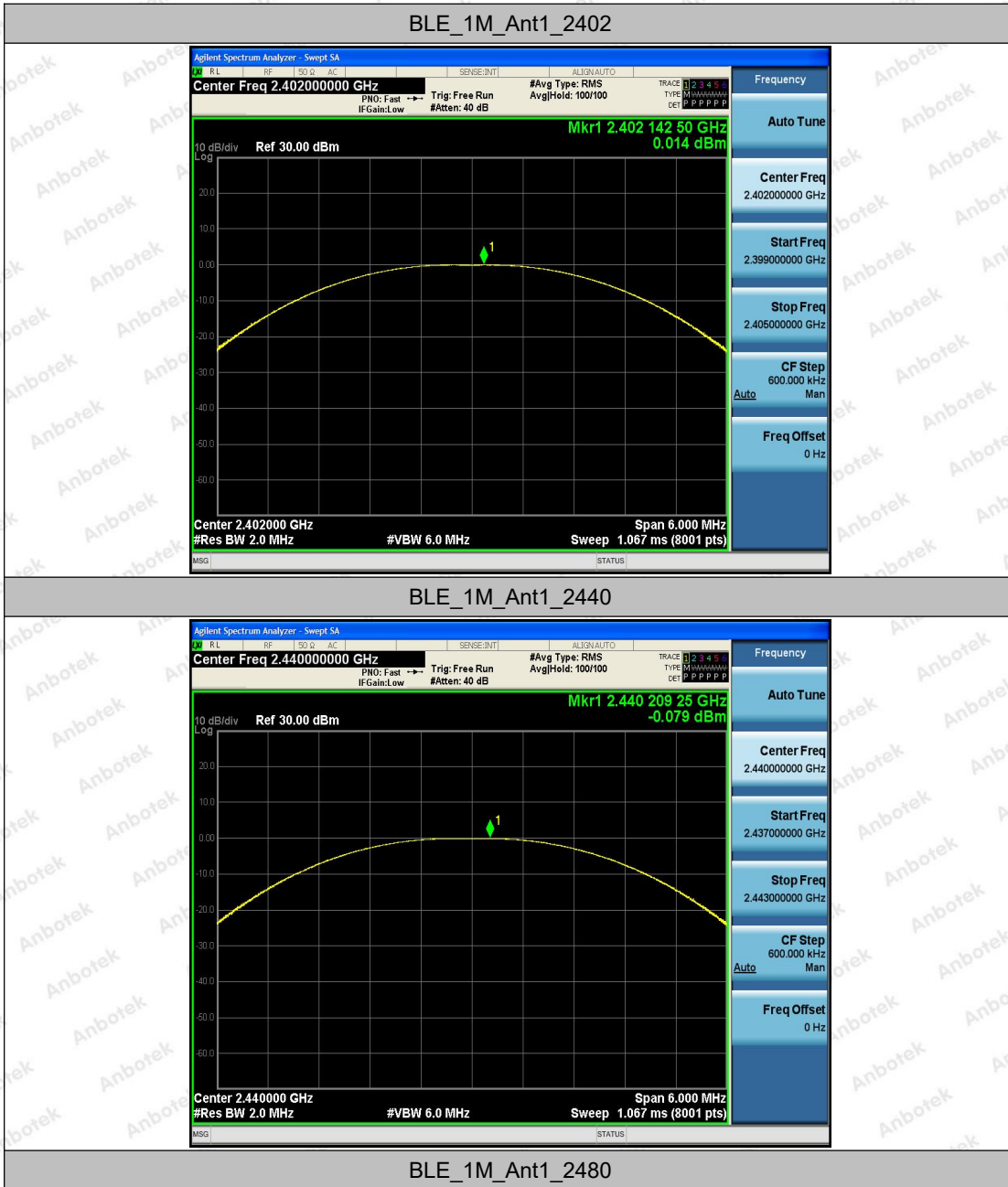
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Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.01	≤30	PASS
		2440	-0.08	≤30	PASS
		2480	0.5	≤30	PASS

Test Graphs



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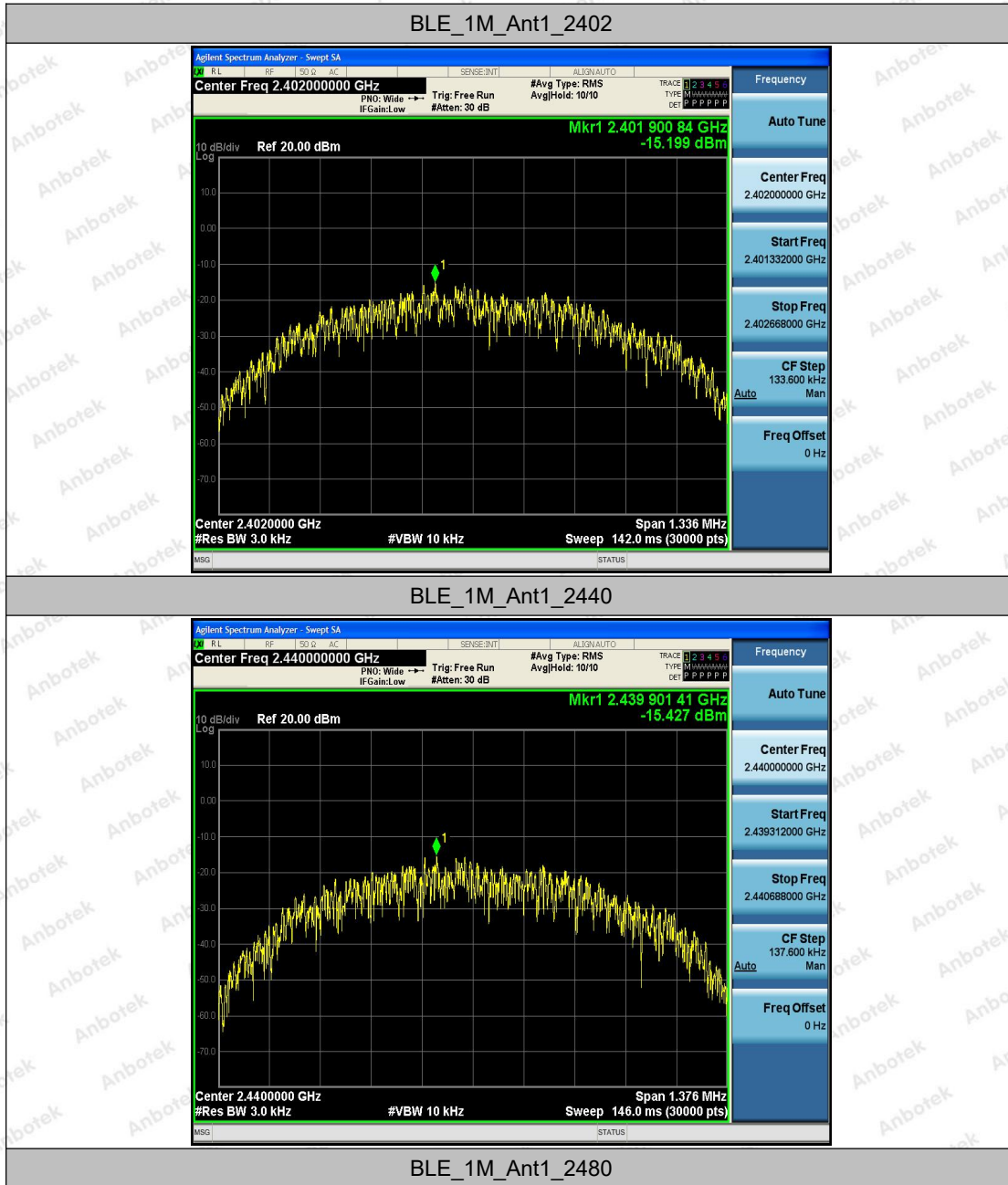
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Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.2	≤8	PASS
		2440	-15.43	≤8	PASS
		2480	-14.6	≤8	PASS

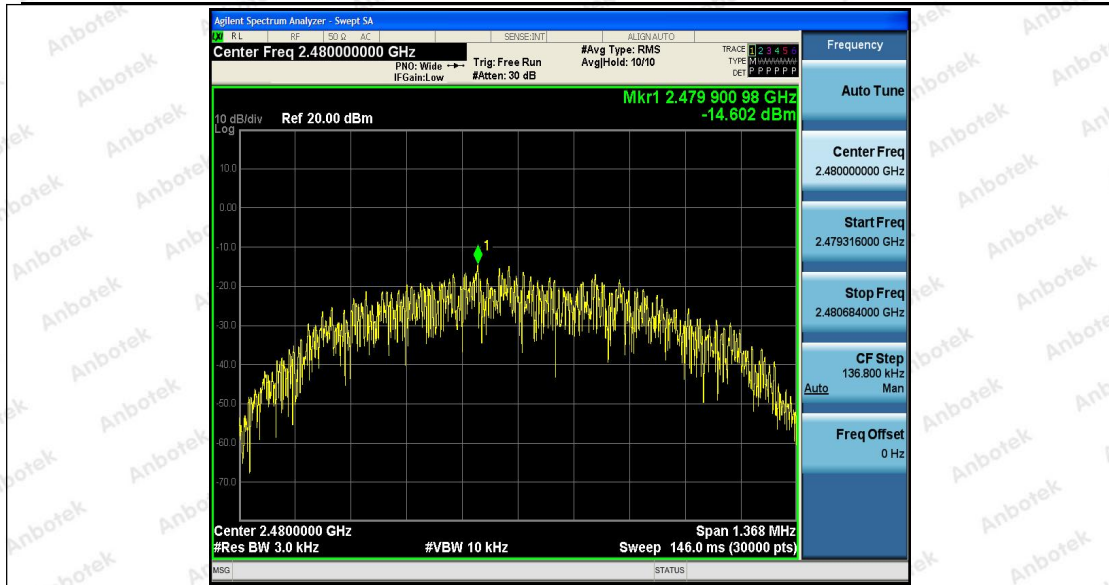
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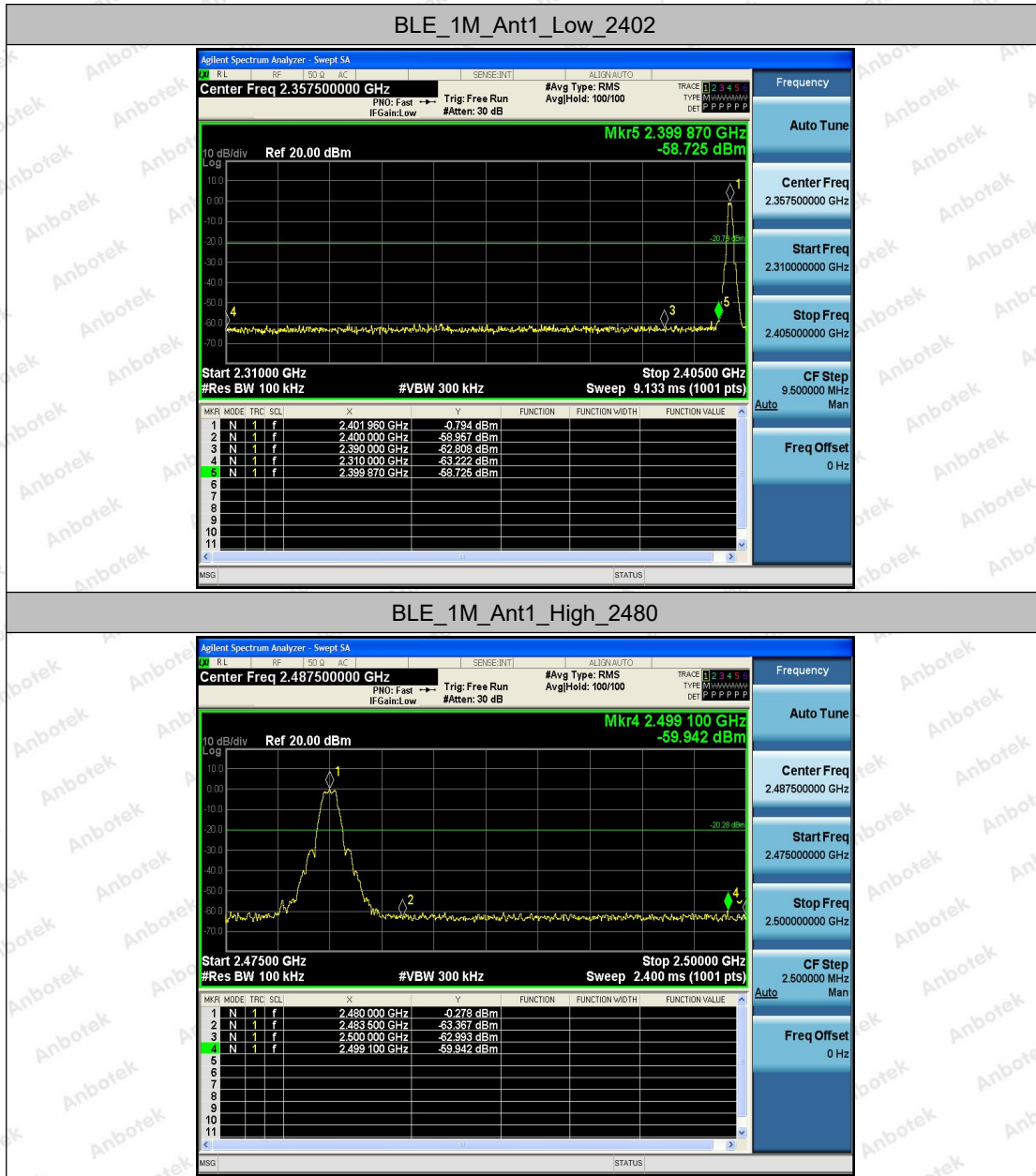
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch Name	Channel	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.79	-58.73	≤-20.79	PASS
		High	2480	-0.28	-59.94	≤-20.28	PASS

Test Graphs



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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	-0.93	-0.93	---	PASS
			30~1000	-0.93	-70.45	≤-20.93	PASS
			1000~26500	-0.93	-55.18	≤-20.93	PASS
		2440	Reference	-1.00	-1.00	---	PASS
			30~1000	-1.00	-71.24	≤-21	PASS
			1000~26500	-1.00	-56.19	≤-21	PASS
		2480	Reference	-0.49	-0.49	---	PASS
			30~1000	-0.49	-70.29	≤-20.49	PASS
			1000~26500	-0.49	-55.24	≤-20.49	PASS

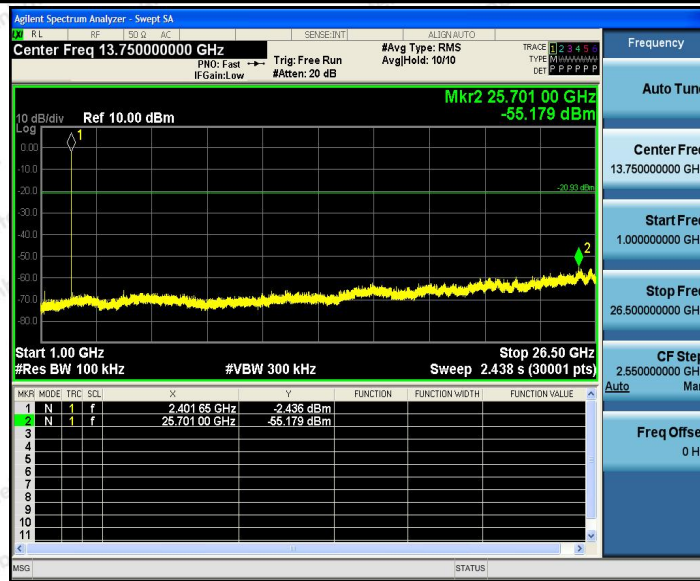
Test Graphs



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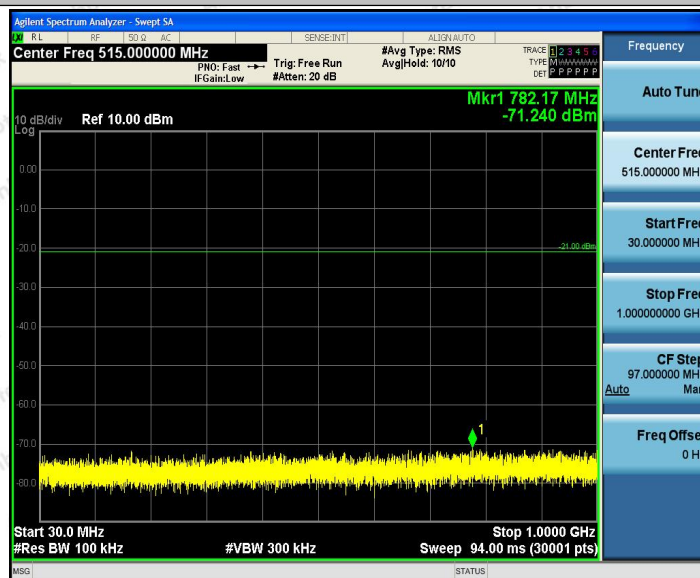
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BLE_1M_Ant1_2440_0~Reference



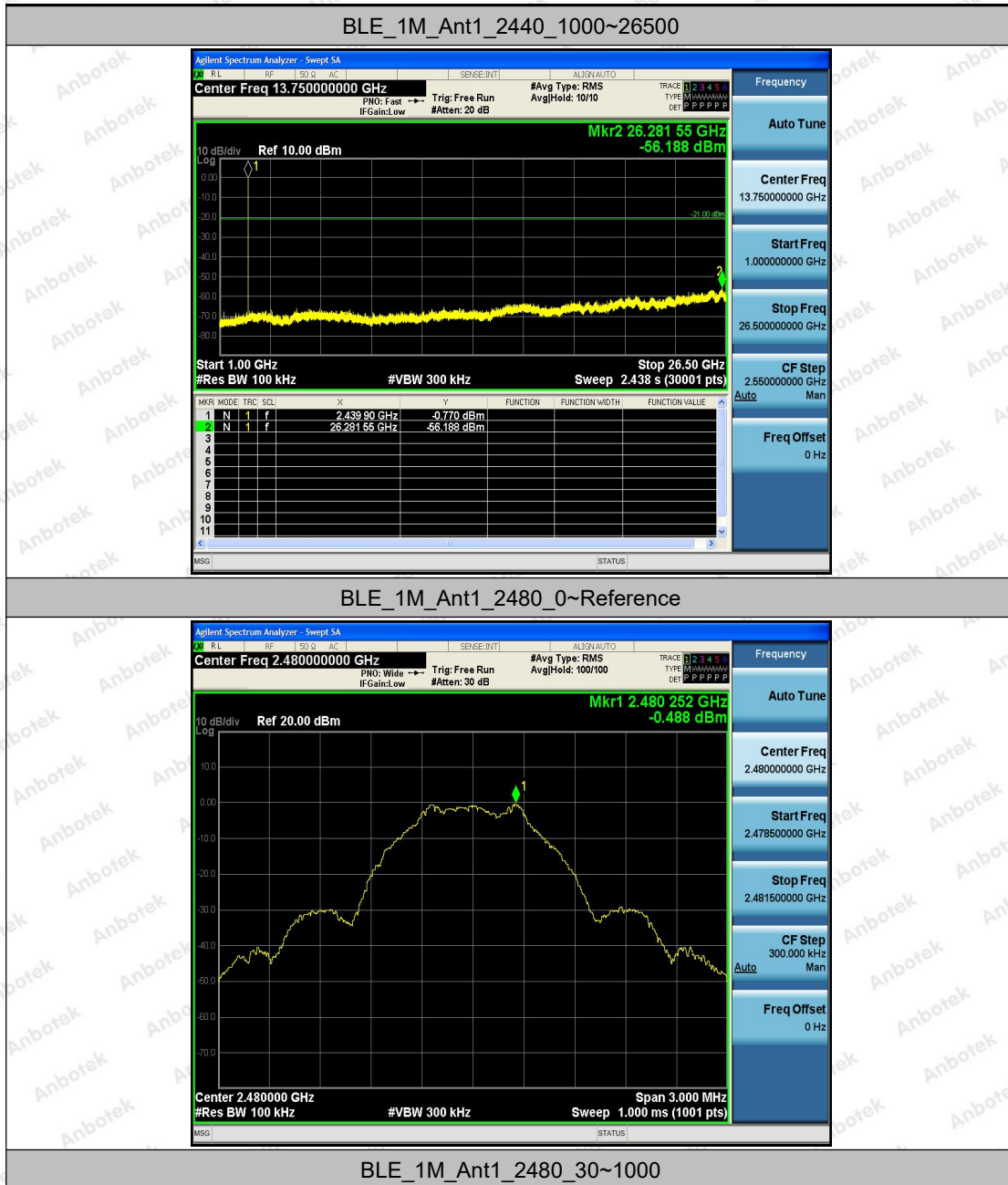
BLE_1M_Ant1_2440_30~1000



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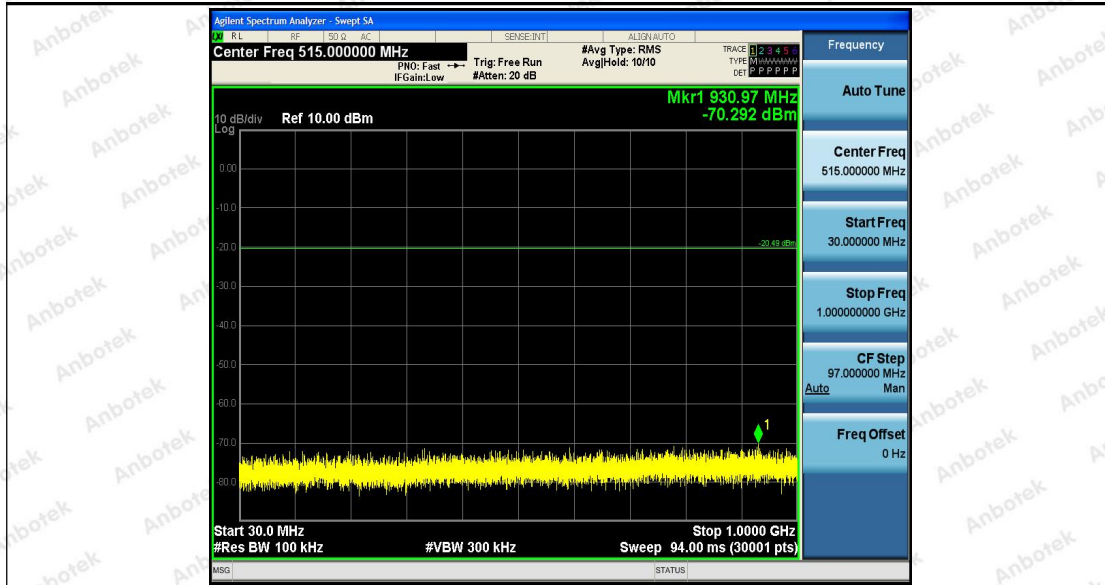


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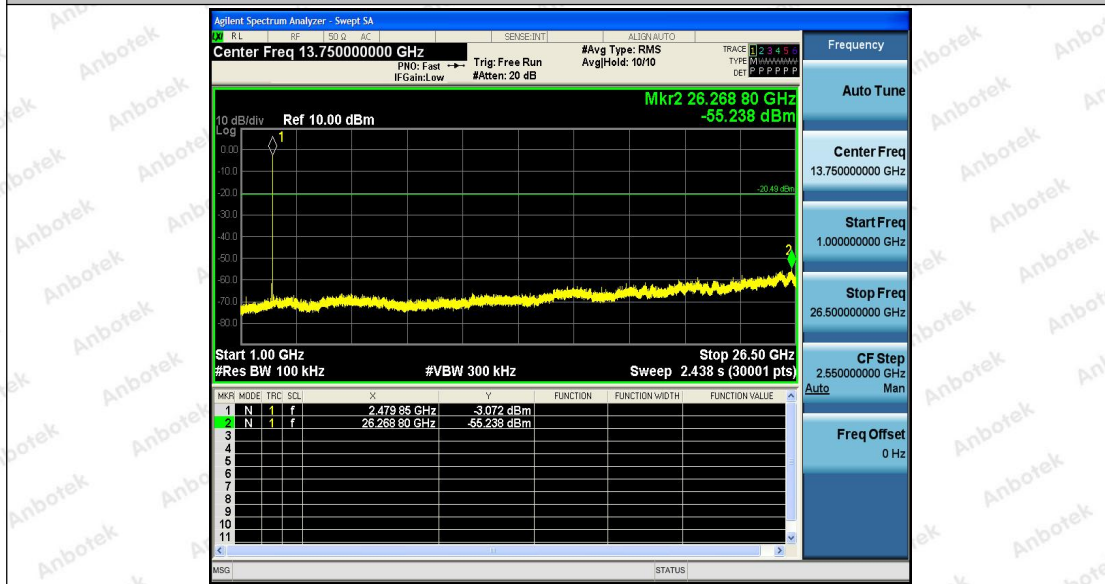
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BLE_1M_Ant1_2480_1000~26500



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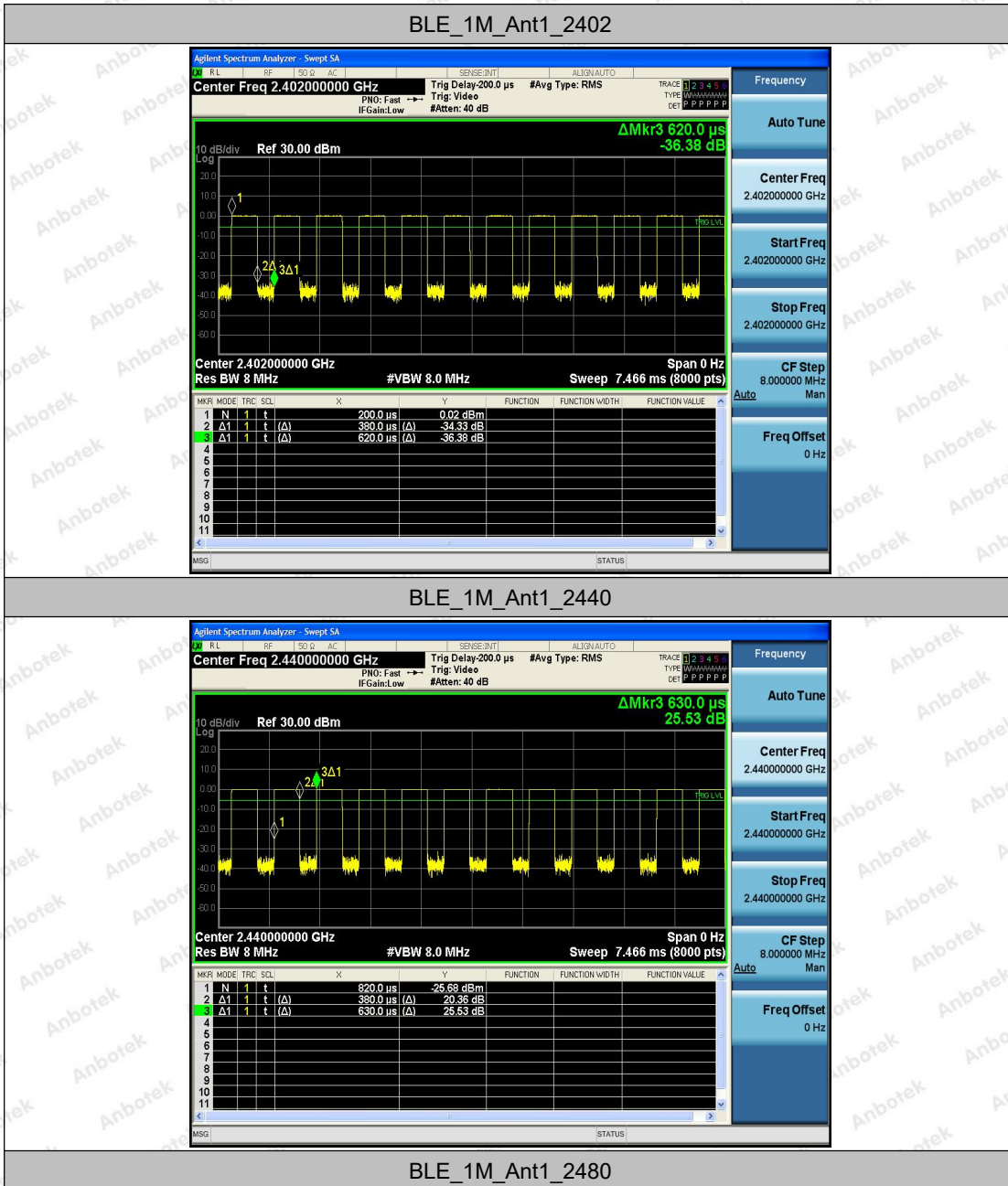
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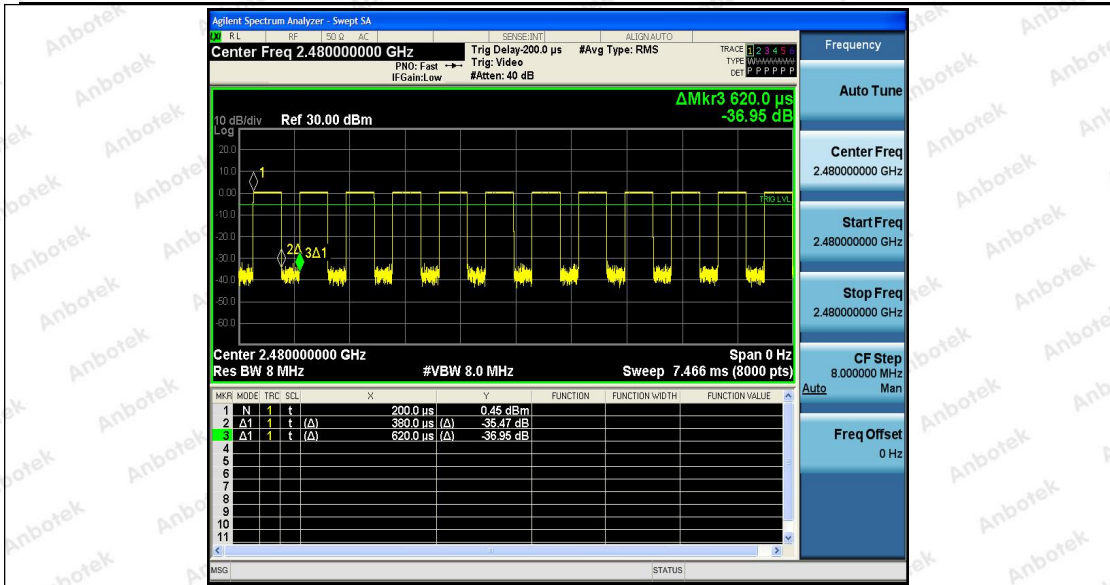
Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	X Factor	Limit	Verdict
BLE_1M	Ant1	2402	0.38	0.62	0.6129	61.29	2.13	---	PASS
		2440	0.38	0.63	0.6032	60.32	2.20	---	PASS
		2480	0.38	0.62	0.6129	61.29	2.13	---	PASS

Test Graphs





---End---