

Appendix Test Data

Report No.:	18220WC10247801	Test Sample No.:	1-2-2
Start Test Date:	2021.11.11	Finish Test Date:	2021.11.26
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3C°	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	0.652	2401.736	2402.388	≥0.5	PASS
		2440	0.704	2439.716	2440.420	≥0.5	PASS
		2480	0.660	2479.740	2480.400	≥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

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0477	2401.566	2402.614	---	PASS
		2440	1.0448	2439.568	2440.612	---	PASS
		2480	1.0423	2479.571	2480.613	---	PASS

Test Graphs



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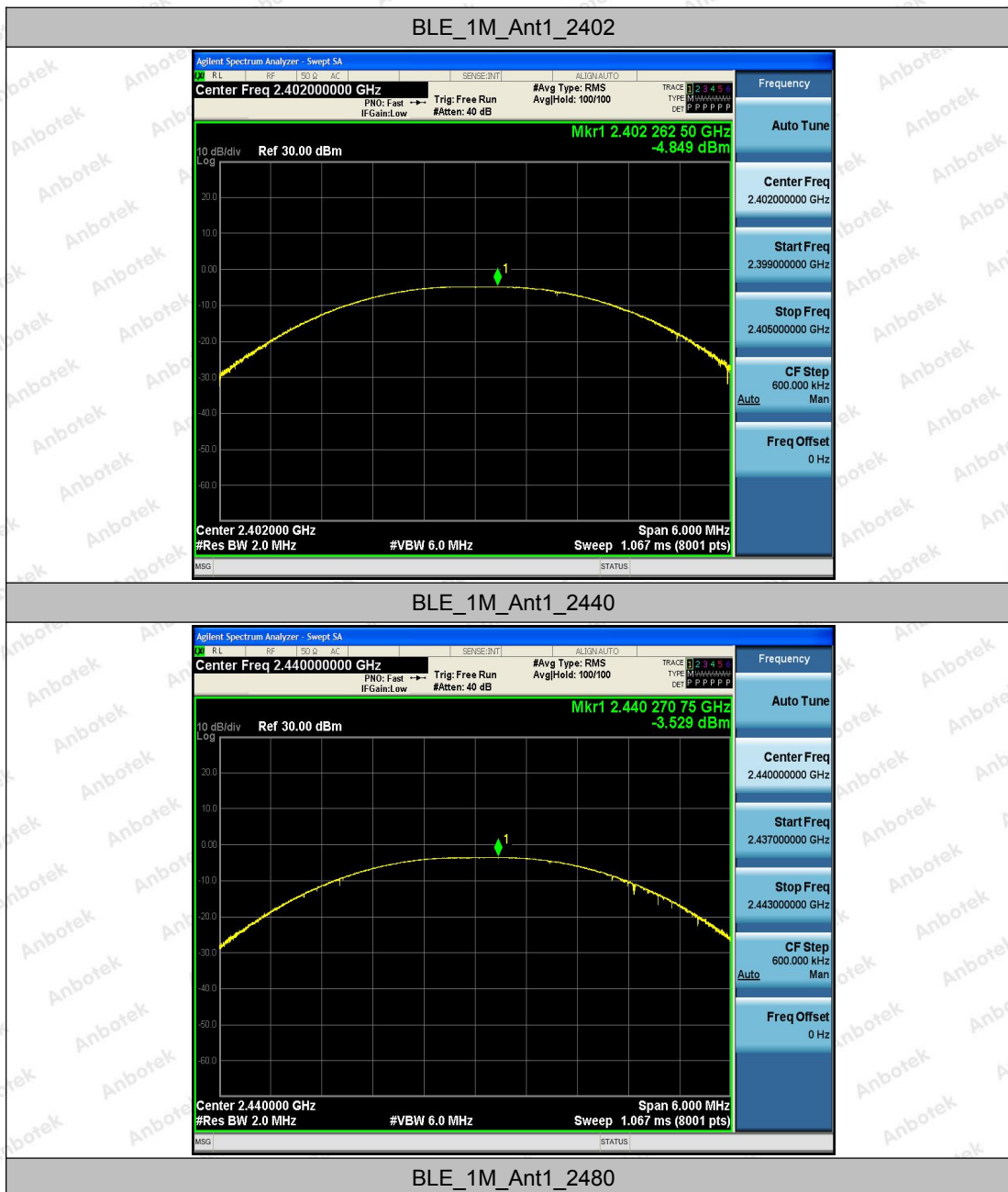
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Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-4.85	≤30	PASS
		2440	-3.53	≤30	PASS
		2480	-2.28	≤30	PASS

Test Graphs

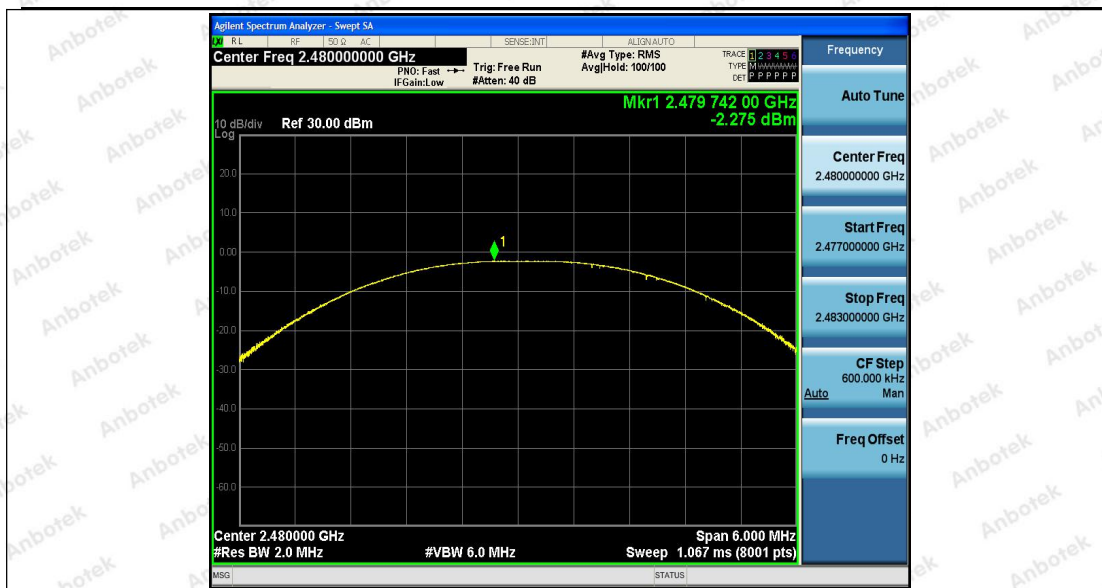


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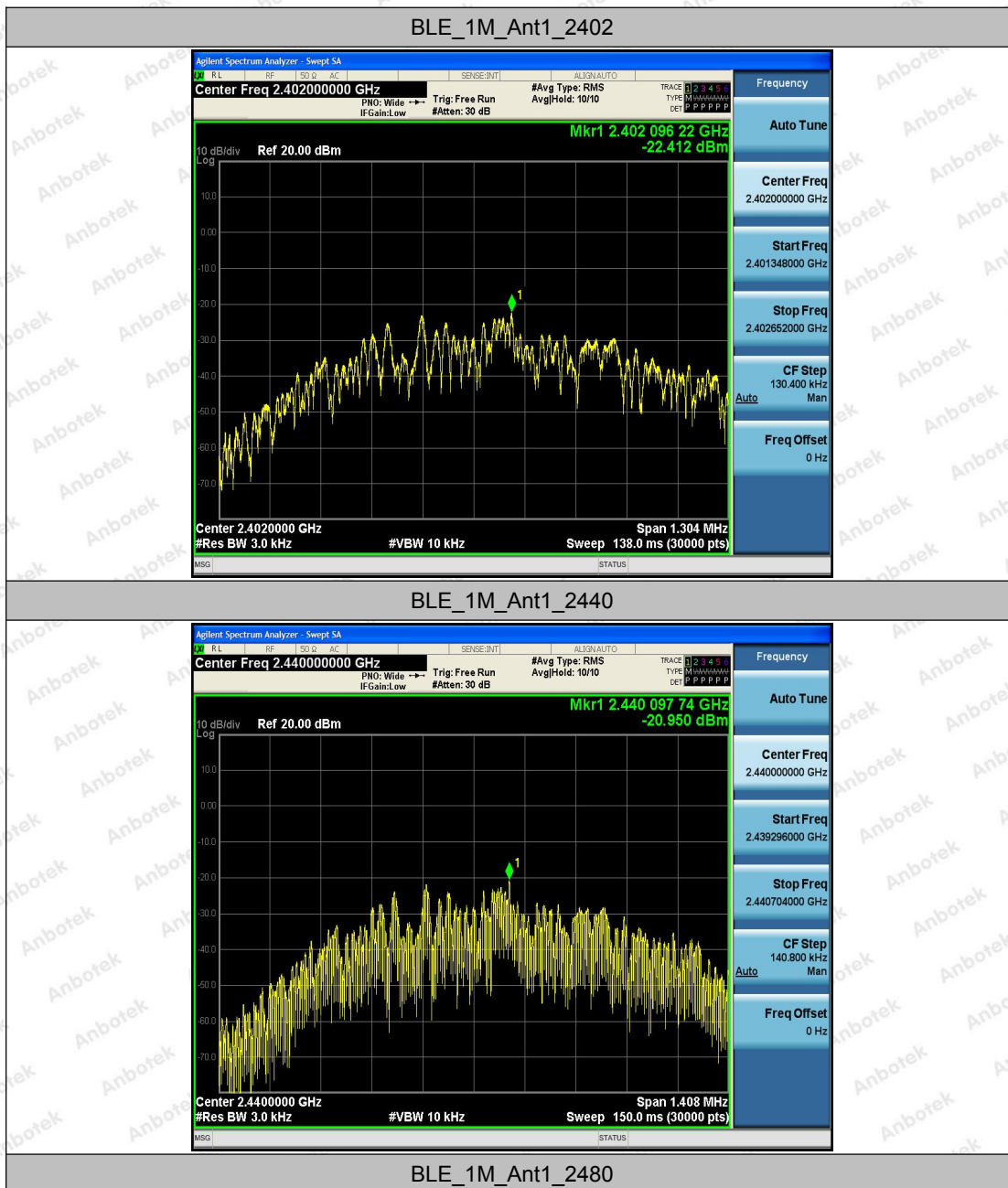
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Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-22.41	≤8	PASS
		2440	-20.95	≤8	PASS
		2480	-19.74	≤8	PASS

Test Graphs

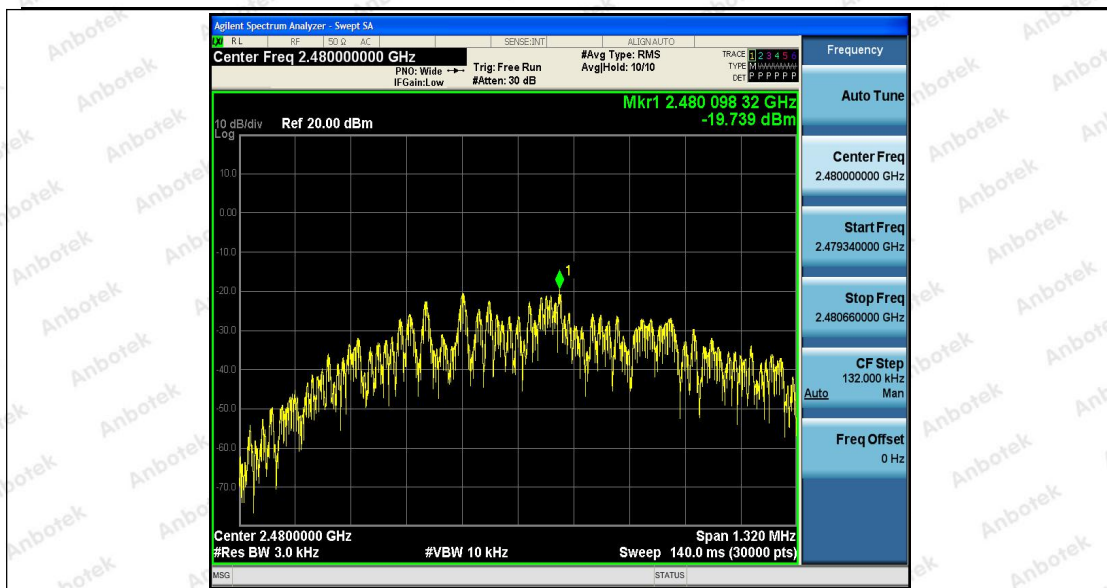


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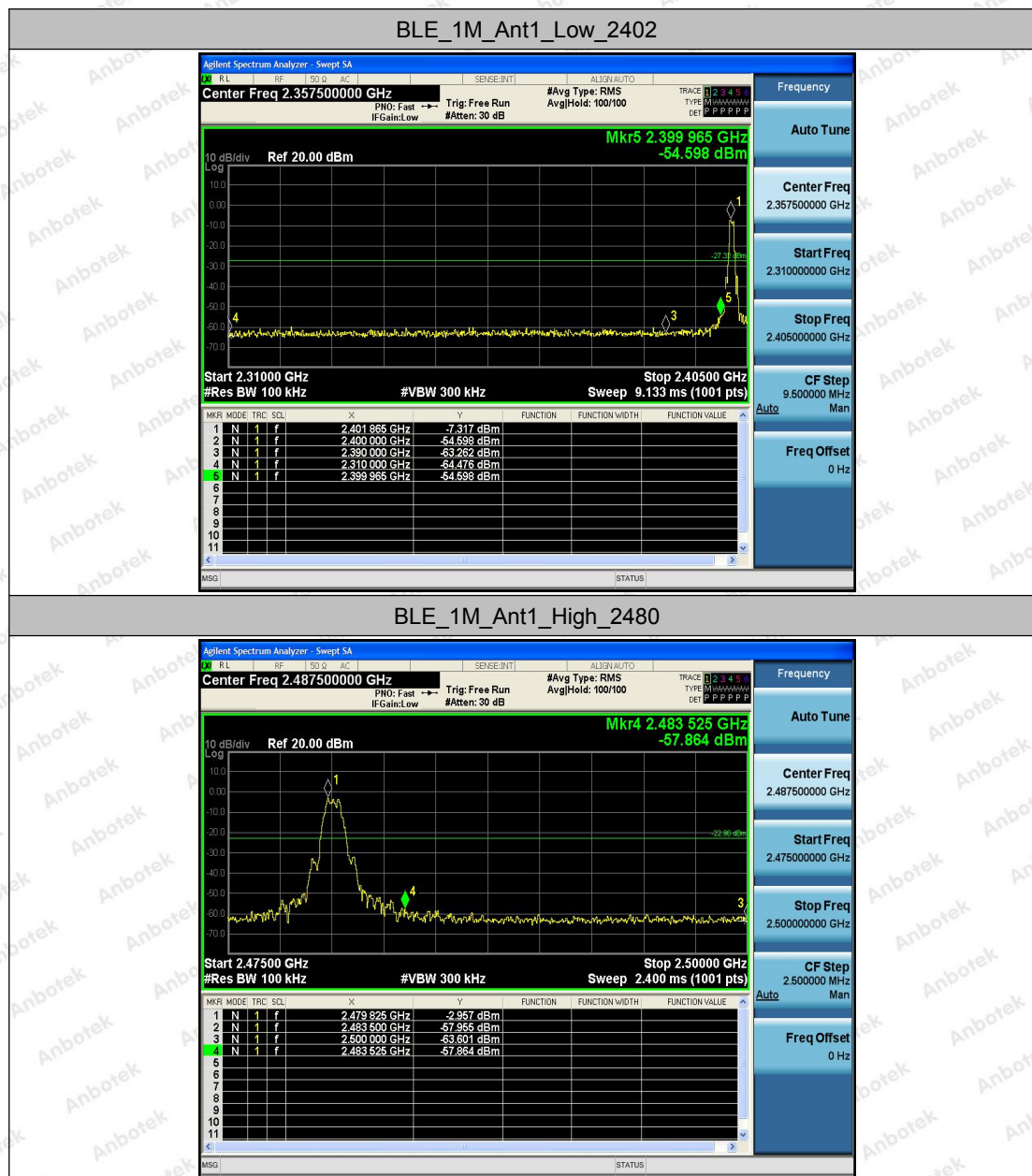
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Channel	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-7.32	-54.6	≤-27.32	PASS
		High	2480	-2.96	-57.86	≤-22.96	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

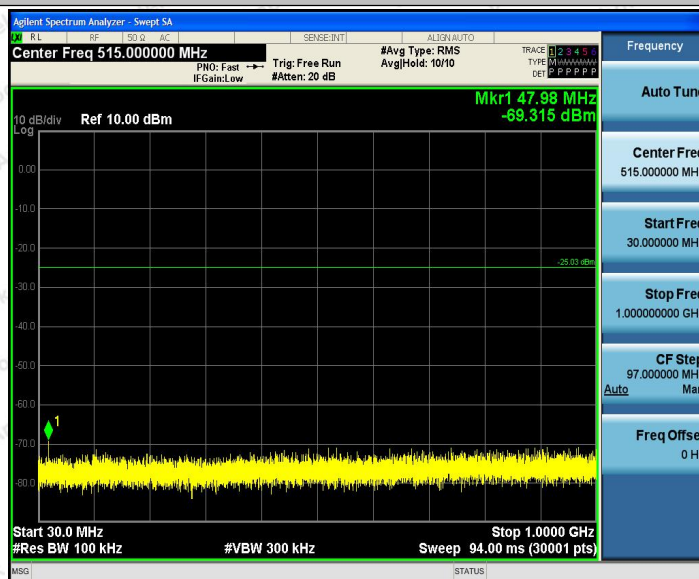
Test Mode	Antenna	Channel	Freq Range [MHz]	Ref Level [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-5.03	-5.03	---	PASS
			30~1000	-5.03	-69.32	≤-25.03	PASS
			1000~26500	-5.03	-45.73	≤-25.03	PASS
		2440	Reference	-3.73	-3.73	---	PASS
			30~1000	-3.73	-70.48	≤-23.73	PASS
			1000~26500	-3.73	-50.11	≤-23.73	PASS
		2480	Reference	-2.46	-2.46	---	PASS
			30~1000	-2.46	-70.13	≤-22.46	PASS
			1000~26500	-2.46	-48.12	≤-22.46	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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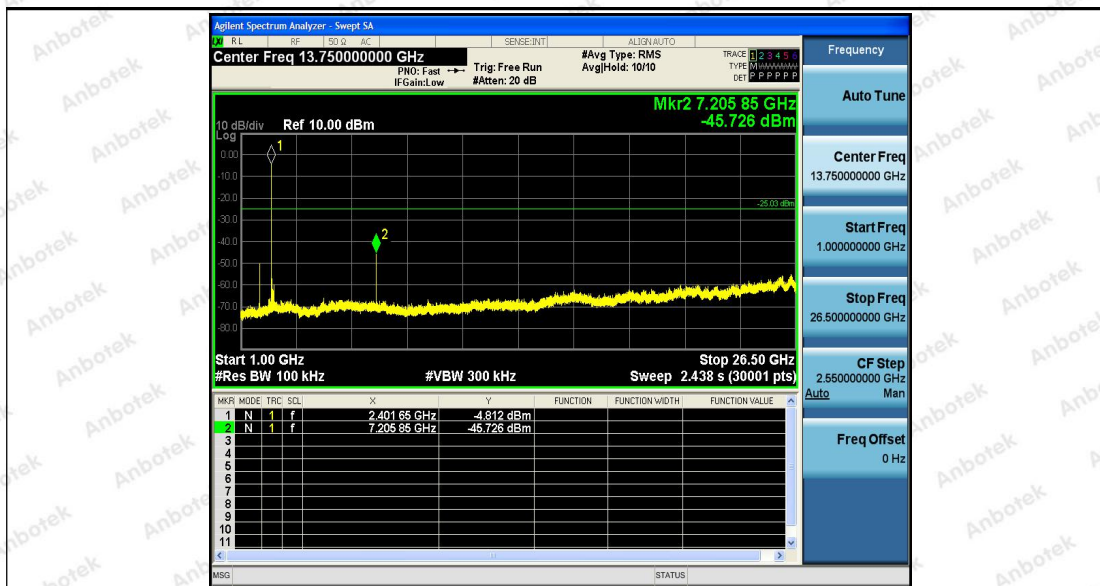
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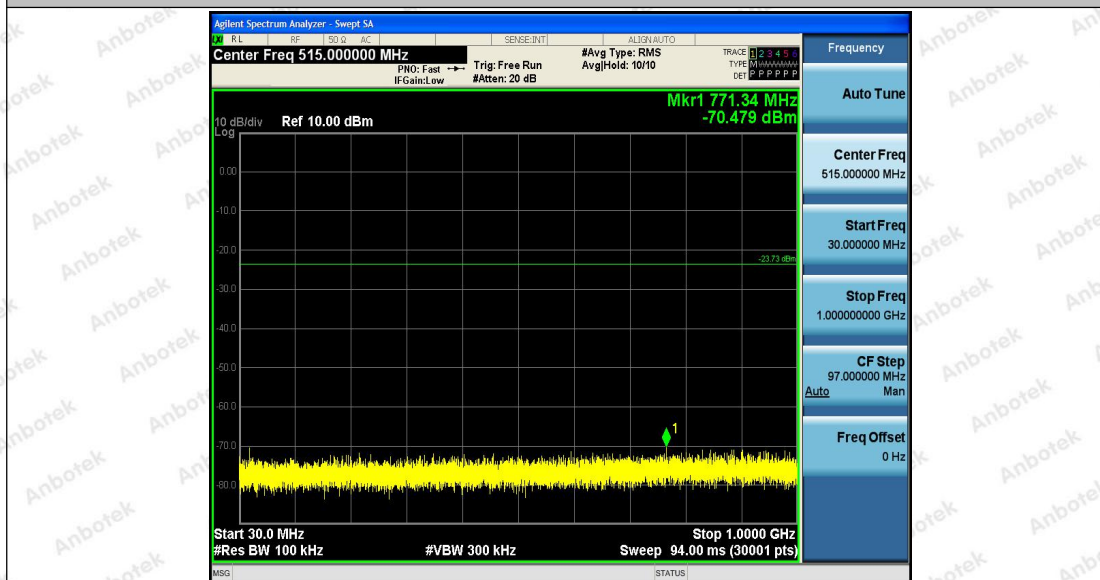
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



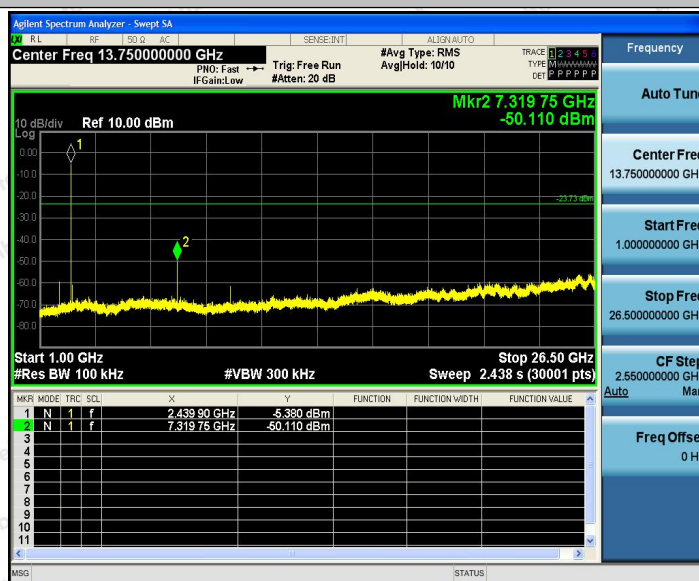
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



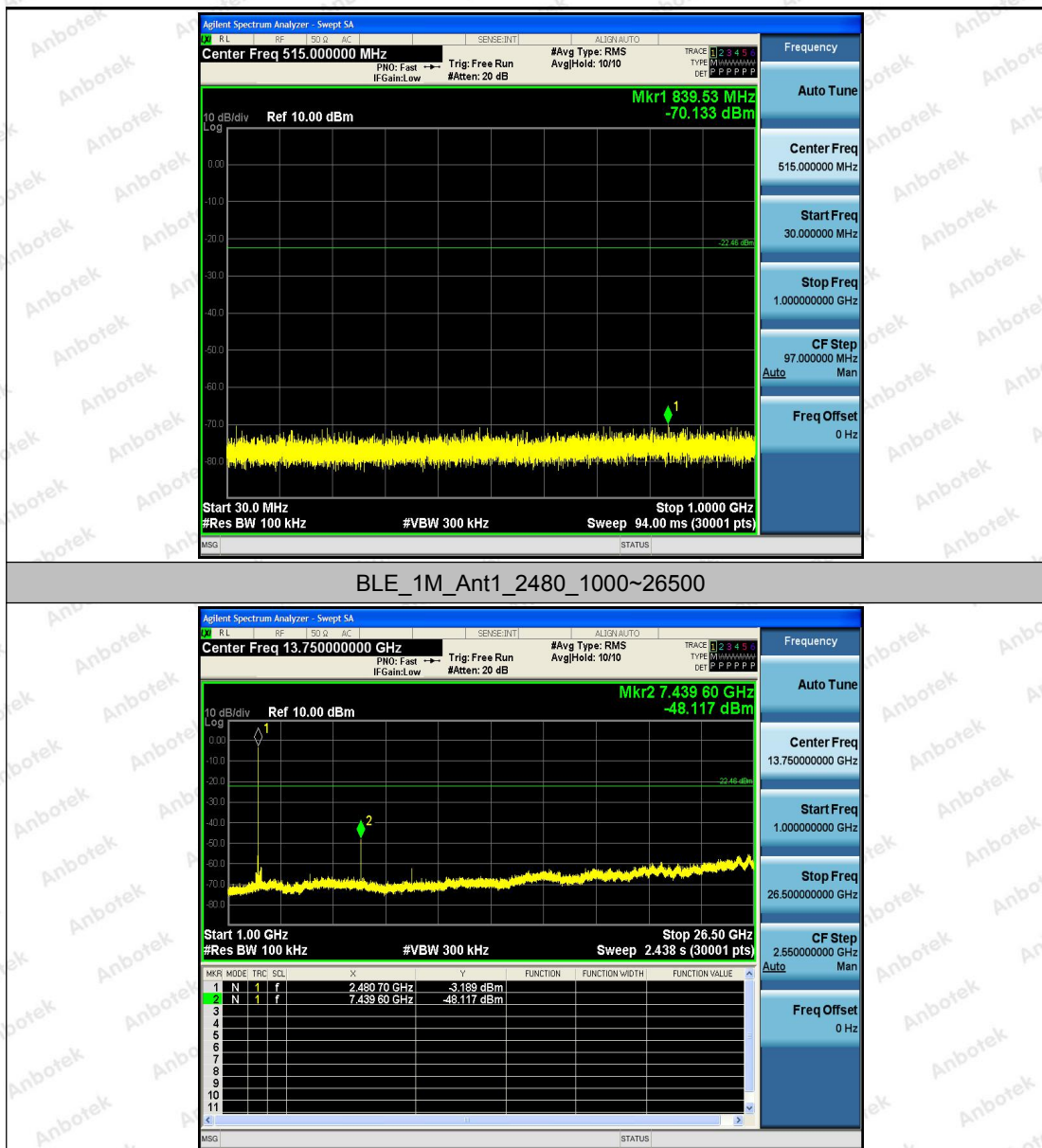
BLE_1M_Ant1_2480_30~1000

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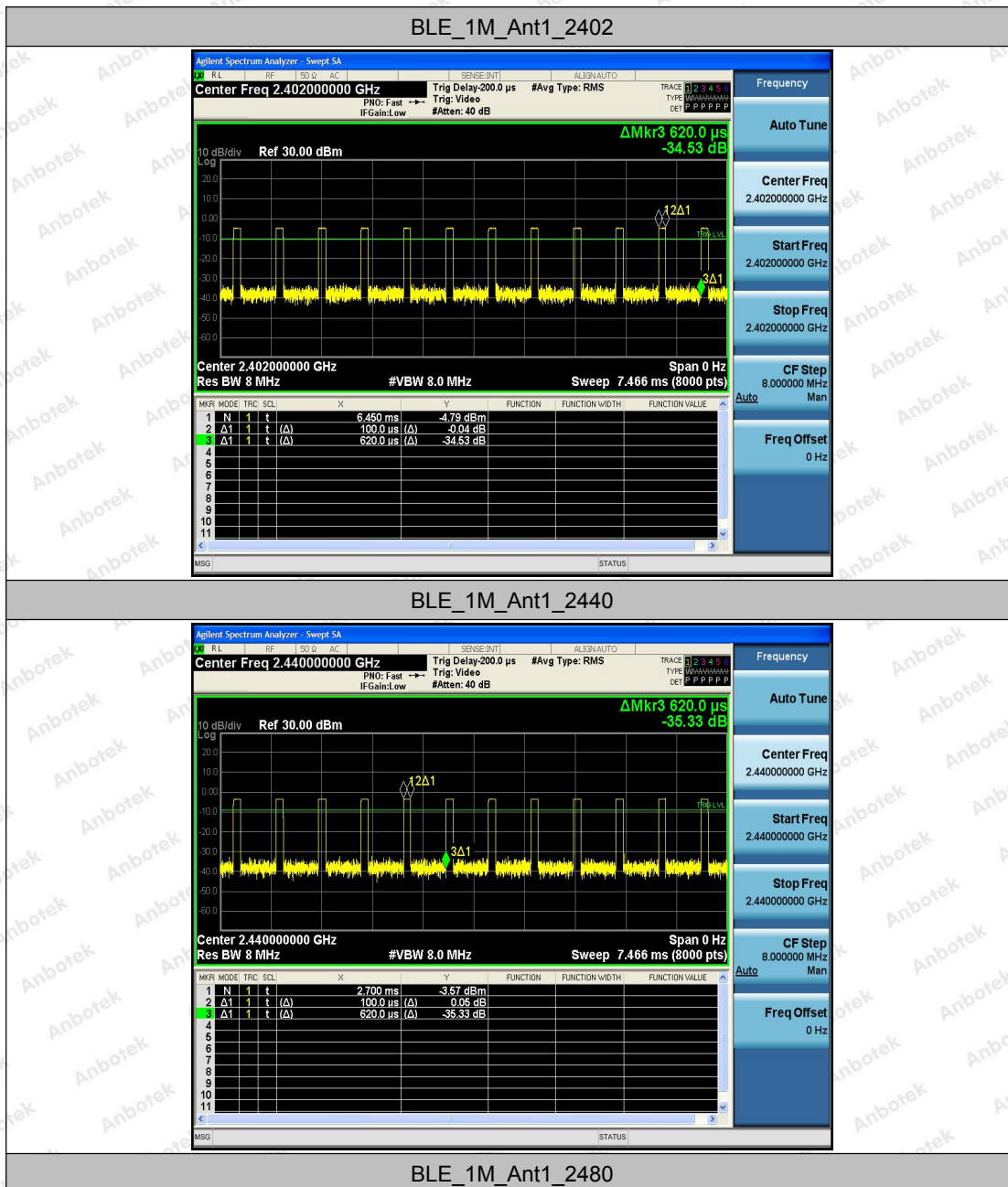
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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	X Factor	Limit	Verdict
BLE_1M	Ant1	2402	0.10	0.62	0.1613	16.13	7.92	---	PASS
		2440	0.10	0.62	0.1613	16.13	7.92	---	PASS
		2480	0.11	0.63	0.1746	17.46	7.58	---	PASS

Test Graphs



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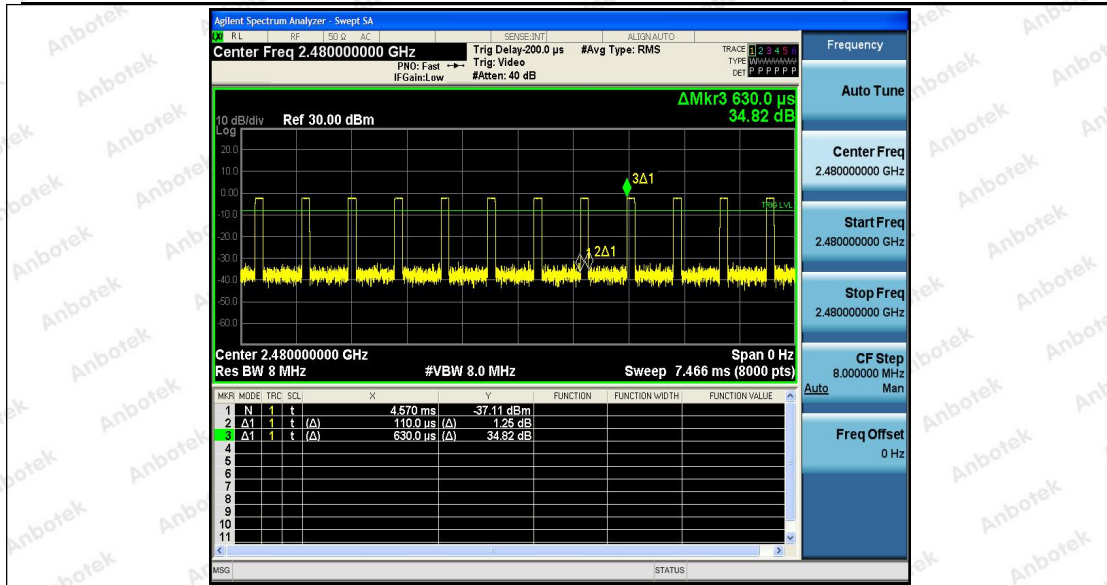
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