

Appendix Test Data

Report No.:	18220WC10290701	Test Sample No.:	1-2-2
Start Test Date:	2021.12.31	Finish Test Date:	2022.1.4
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	23.3°C	Relative Humidity:	57.1%
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	0.700	2401.636	2402.336	≥0.5	PASS
		2440	0.676	2439.656	2440.332	≥0.5	PASS
		2480	0.712	2479.624	2480.336	≥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

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0313	2401.491	2402.522	---	PASS
		2440	1.0261	2439.490	2440.516	---	PASS
		2480	1.0195	2479.492	2480.512	---	PASS

Test Graphs



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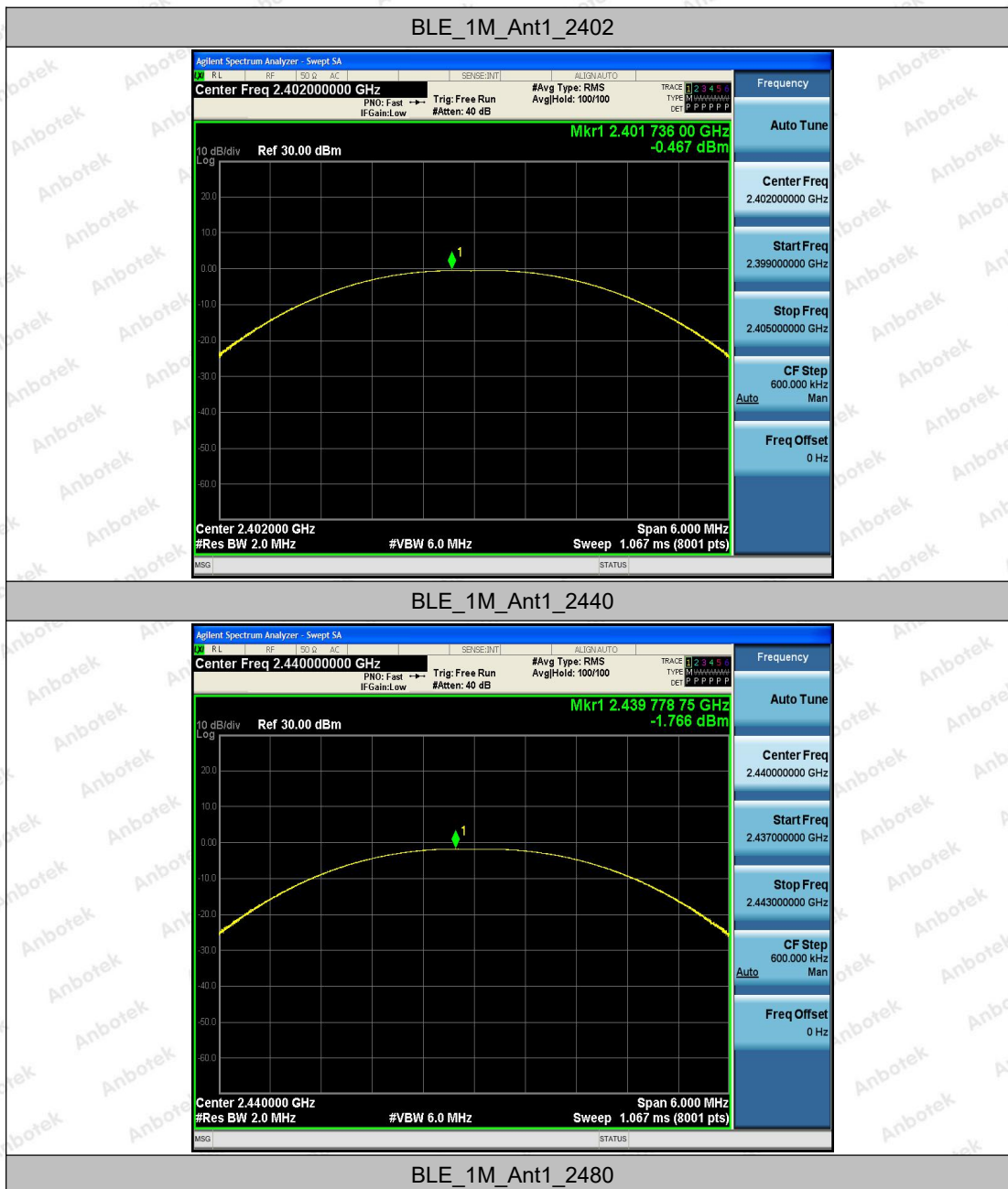
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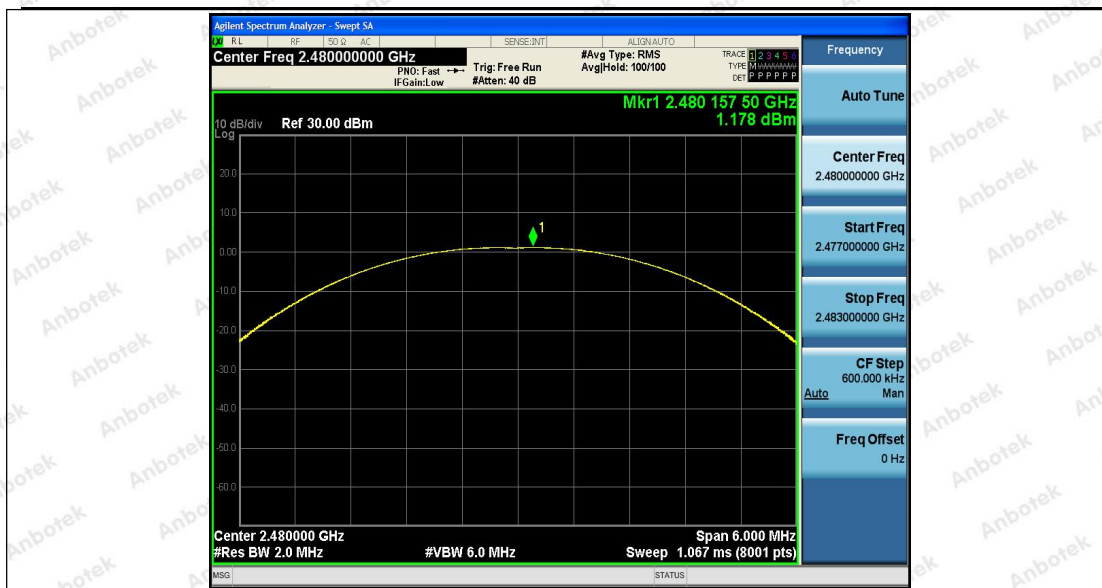
Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.47	≤30	PASS
		2440	-1.77	≤30	PASS
		2480	1.18	≤30	PASS

Test Graphs





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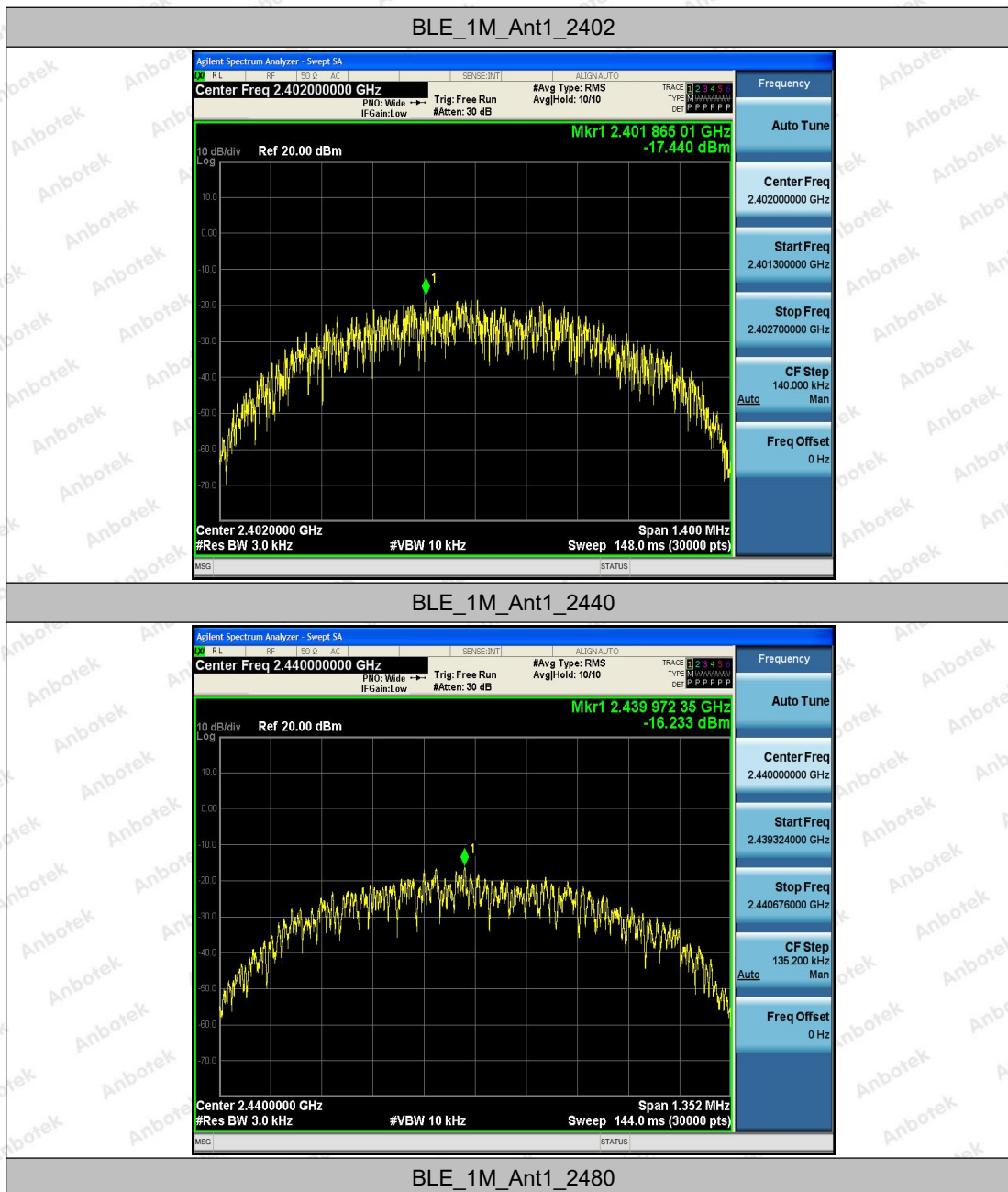
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-17.44	≤8	PASS
		2440	-16.23	≤8	PASS
		2480	-13.85	≤8	PASS

Test Graphs

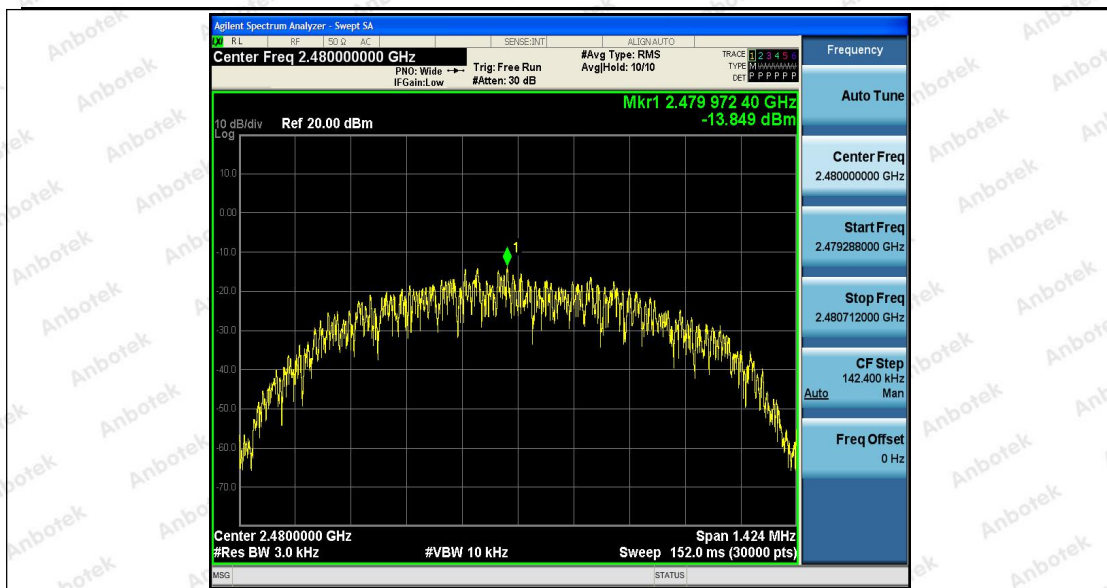


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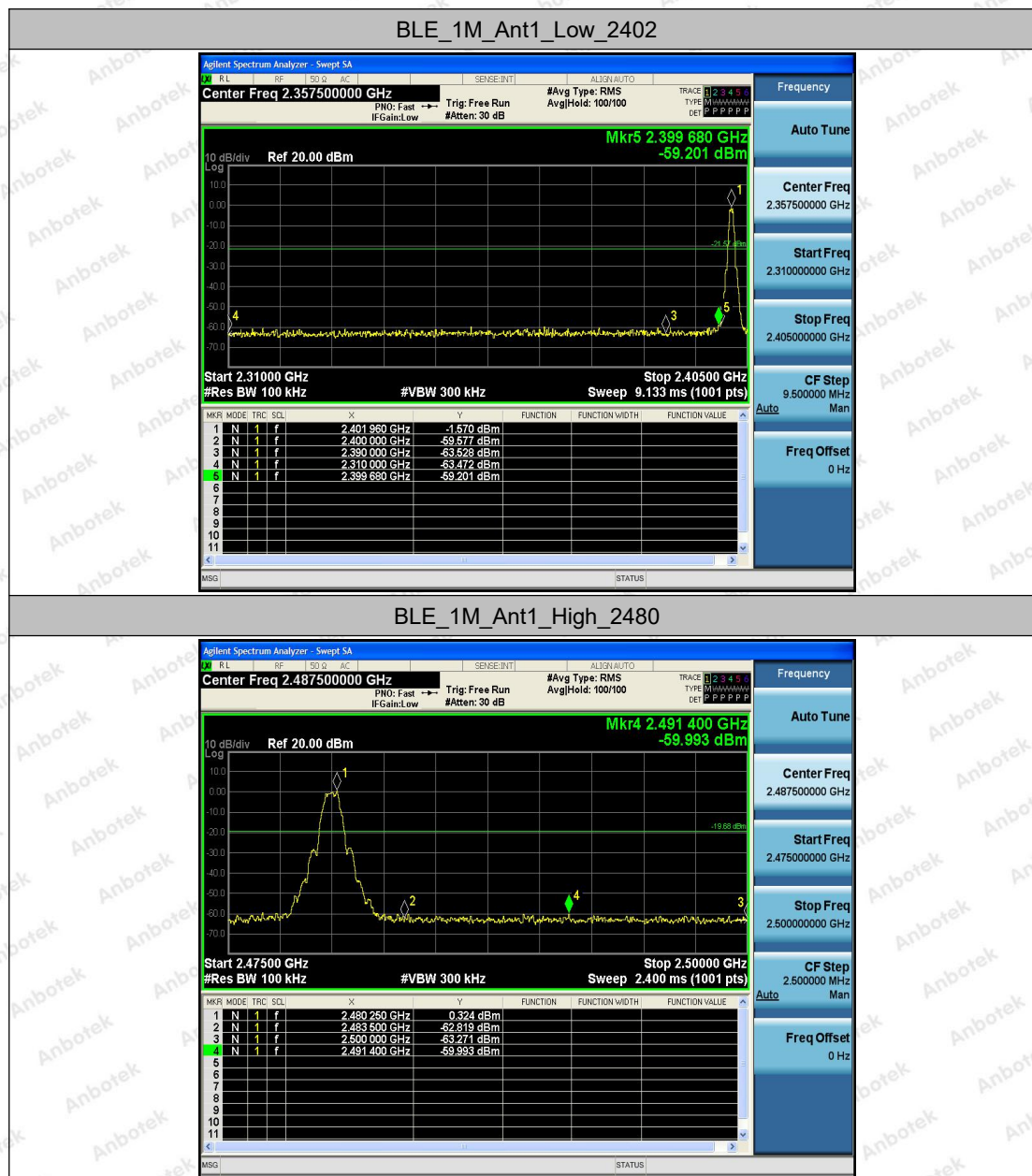
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.57	-59.2	≤-21.57	PASS
		High	2480	0.32	-59.99	≤-19.68	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

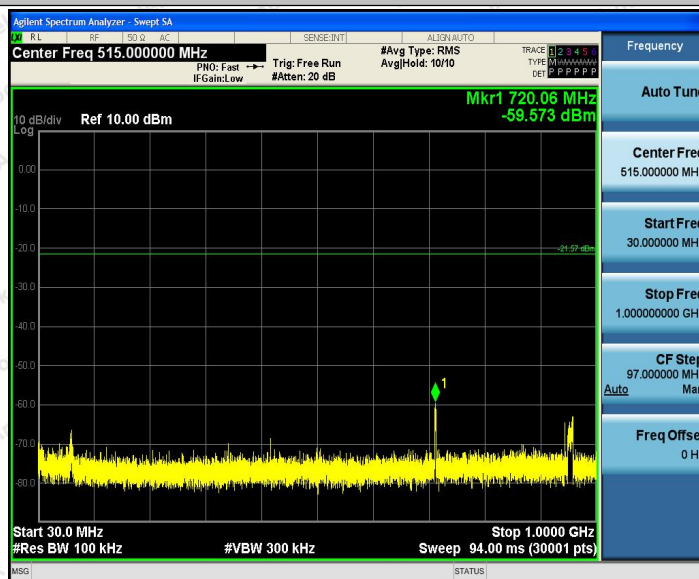
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-1.57	-1.57	---	PASS
			30~1000	-1.57	-59.57	≤-21.57	PASS
			1000~265 00	-1.57	-44.18	≤-21.57	PASS
		2440	Reference	-2.19	-2.19	---	PASS
			30~1000	-2.19	-69.36	≤-22.19	PASS
			1000~265 00	-2.19	-46.82	≤-22.19	PASS
		2480	Reference	0.42	0.42	---	PASS
			30~1000	0.42	-68.32	≤-19.58	PASS
			1000~265 00	0.42	-47.95	≤-19.58	PASS

Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



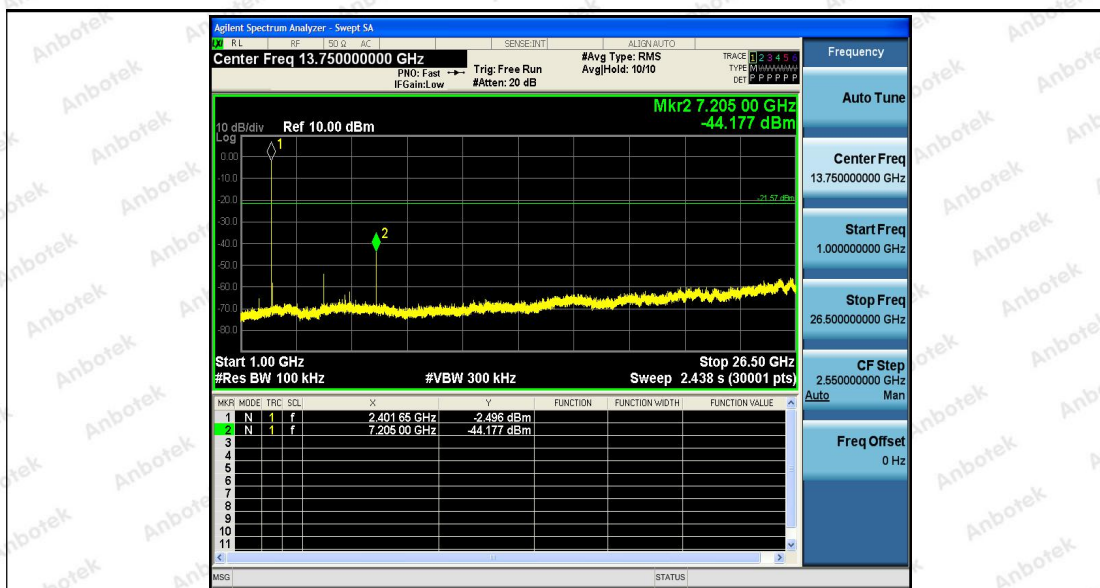
BLE_1M_Ant1_2402_1000~26500

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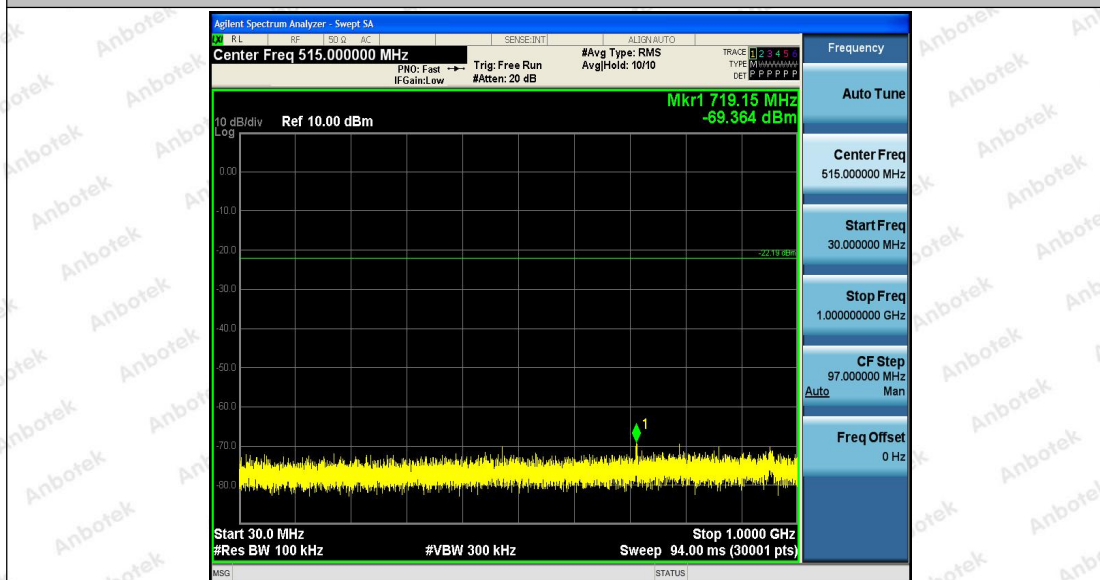
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



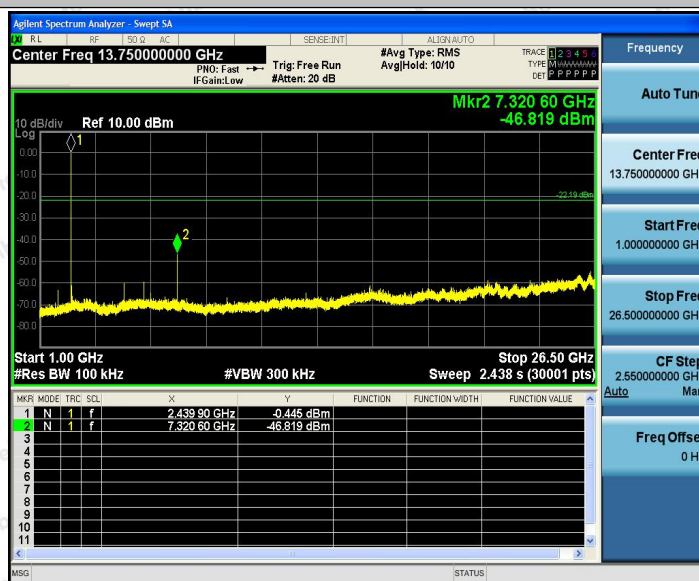
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



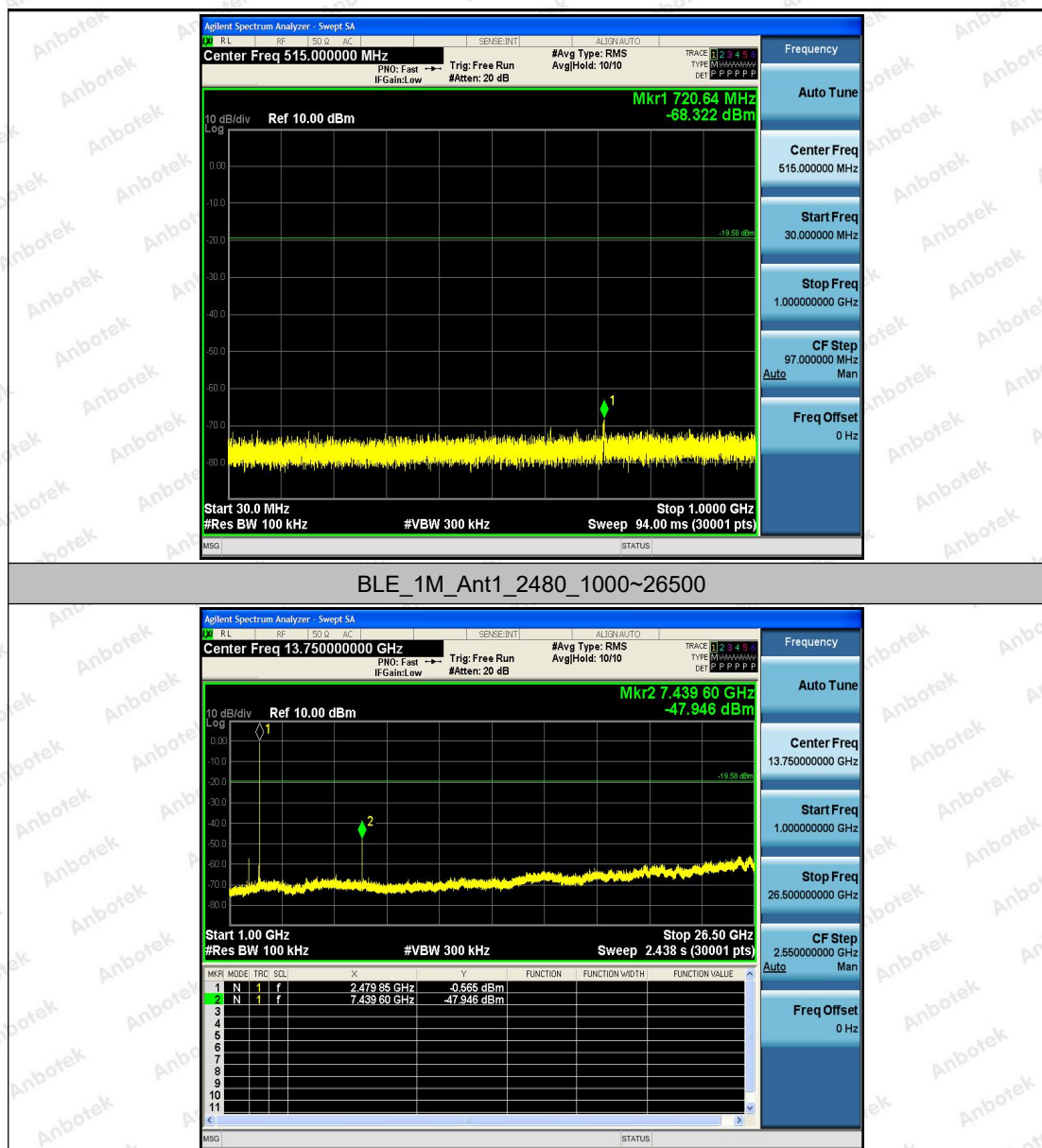
BLE_1M_Ant1_2480_30~1000

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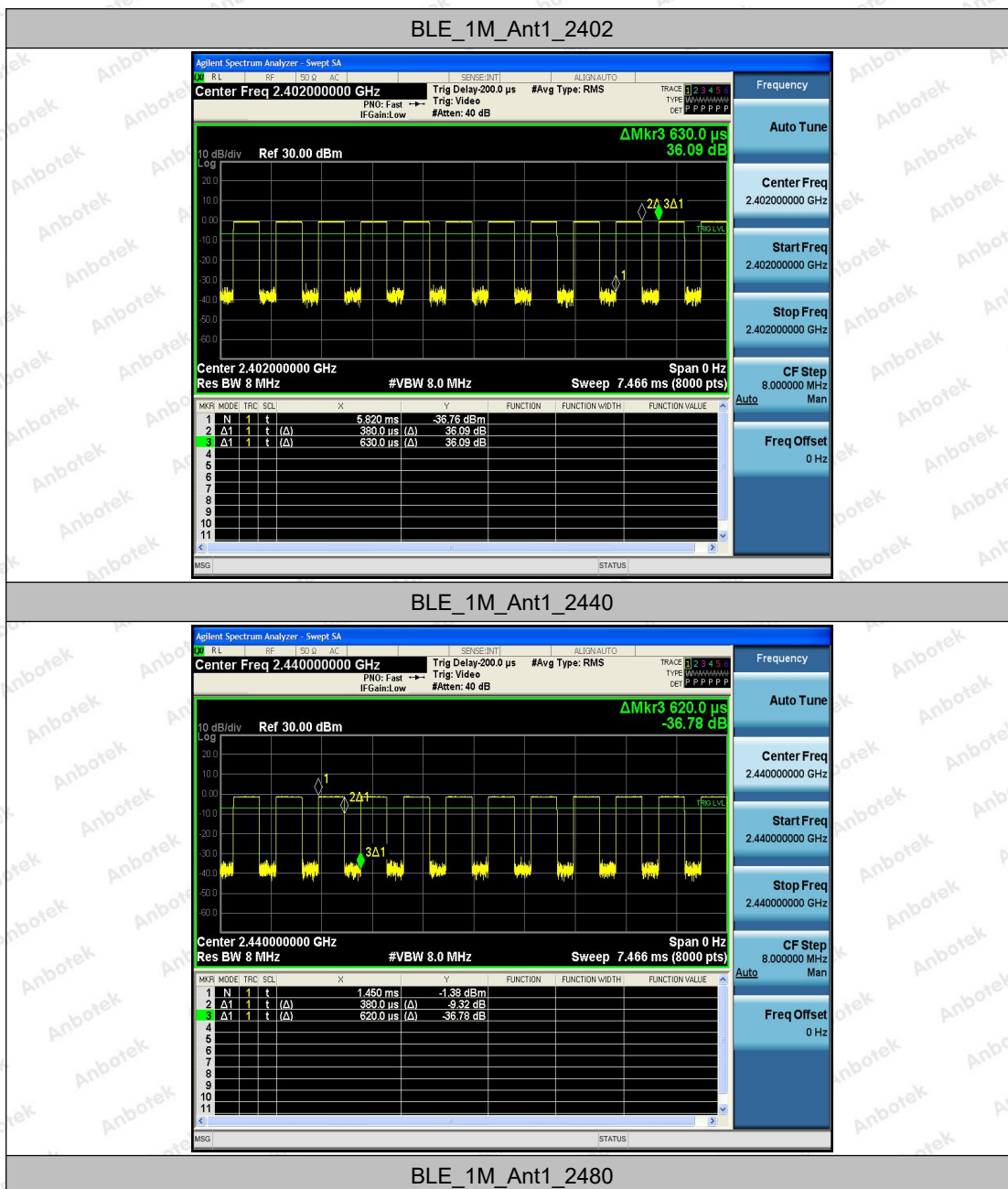
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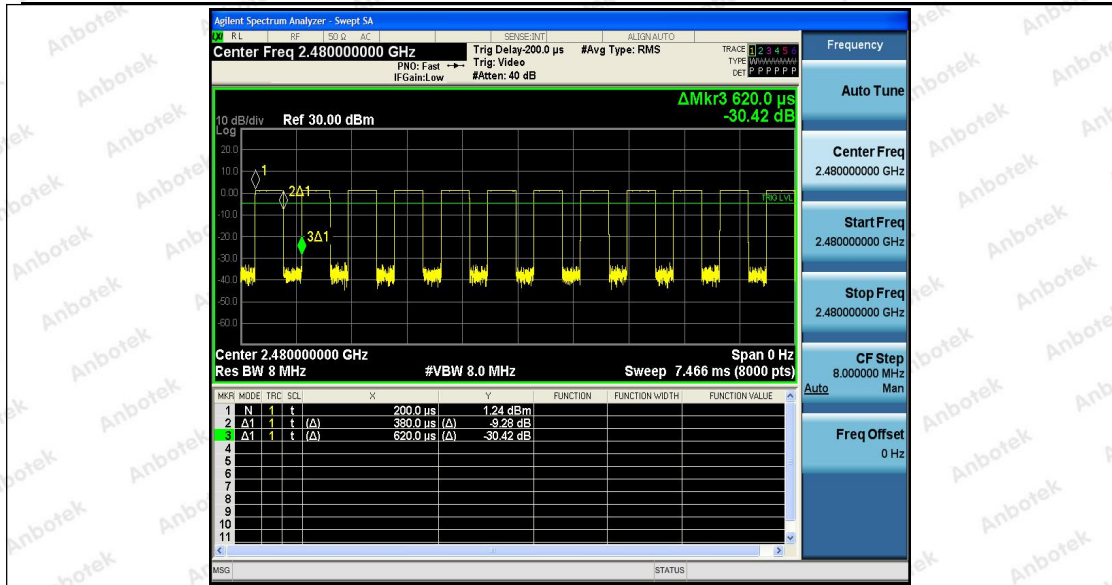
Appendix G: Duty Cycle

Test Result

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	0.62	0.612 9	61.29	2.13	---	PASS
		2480	0.38	0.62	0.612 9	61.29	2.13	---	PASS

Test Graphs





Test Graphs

Emissions in Restricted Bands measurements