

Appendix Test Data

Report No.:	18220WC20082601	Test Sample No.:	1-2-2
Start Test Date:	2022.4.24	Finish Test Date:	2022.4.28
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.3℃	Relative Humidity:	56.2 %
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	0.668	2401.676	2402.344	≥0.5	PASS
		2442	0.688	2441.672	2442.360	≥0.5	PASS
		2480	0.684	2479.676	2480.360	≥0.5	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2442



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	1.0259	2401.499	2402.525	---	PASS
		2442	1.0315	2441.497	2442.528	---	PASS
		2480	1.0145	2479.502	2480.516	---	PASS

Test Graphs



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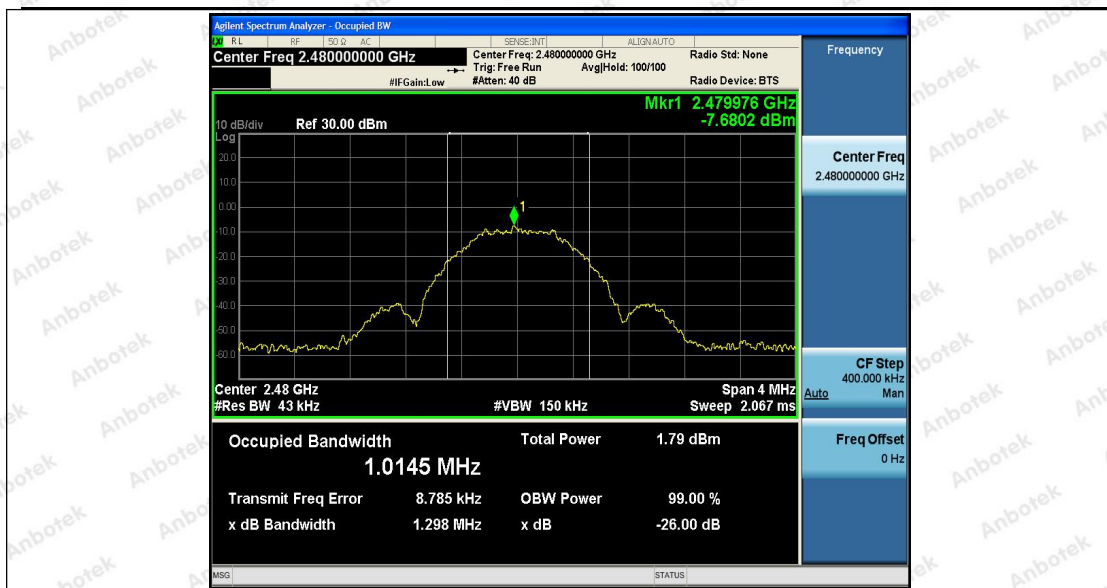
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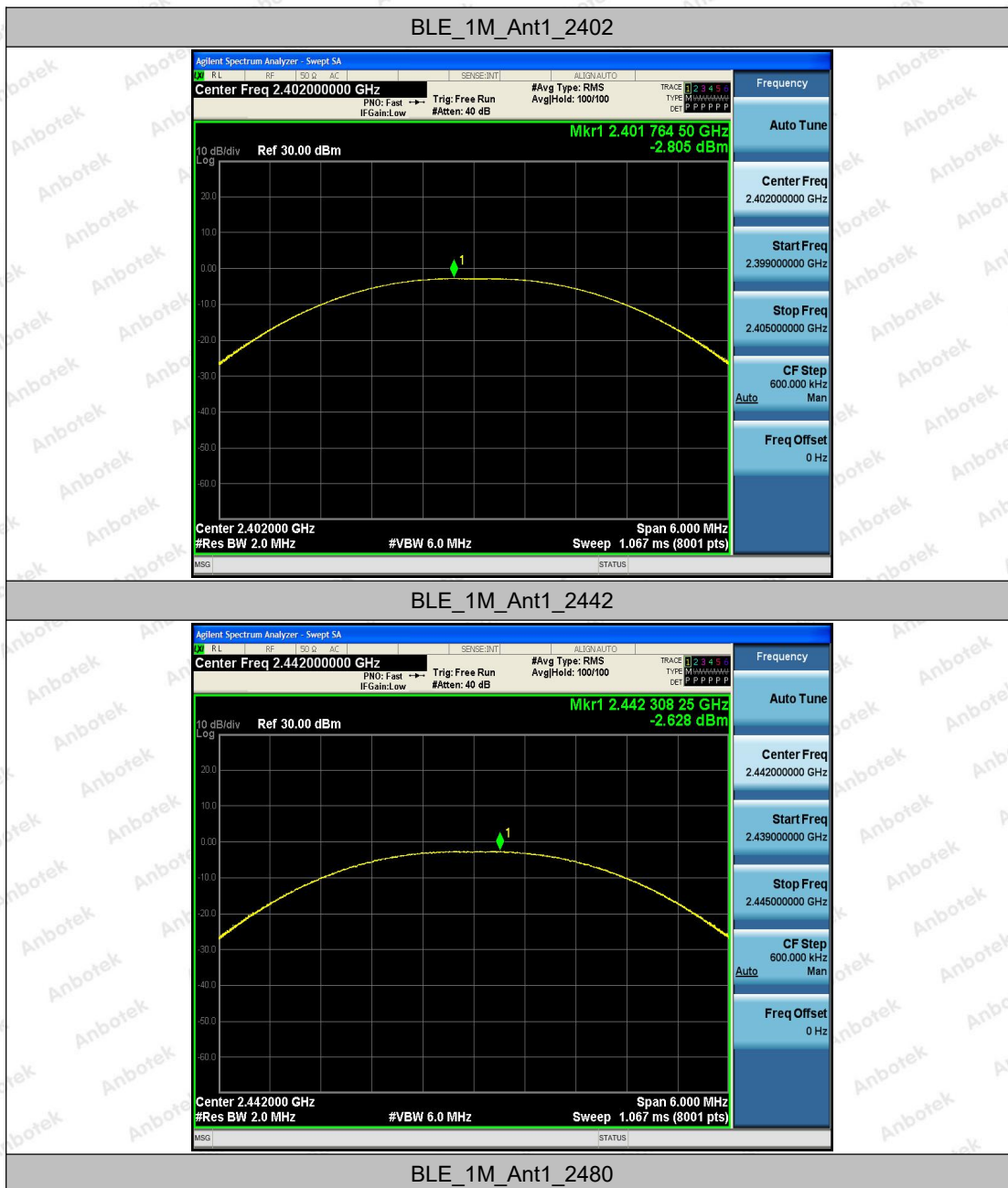
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-2.81	≤30	PASS
		2442	-2.63	≤30	PASS
		2480	-3.64	≤30	PASS

Test Graphs

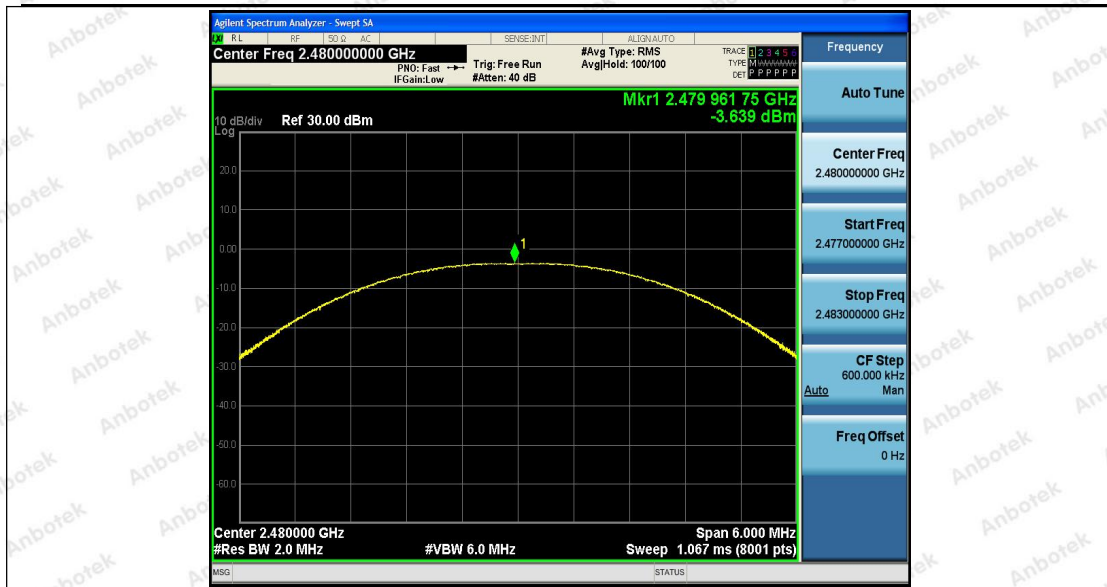


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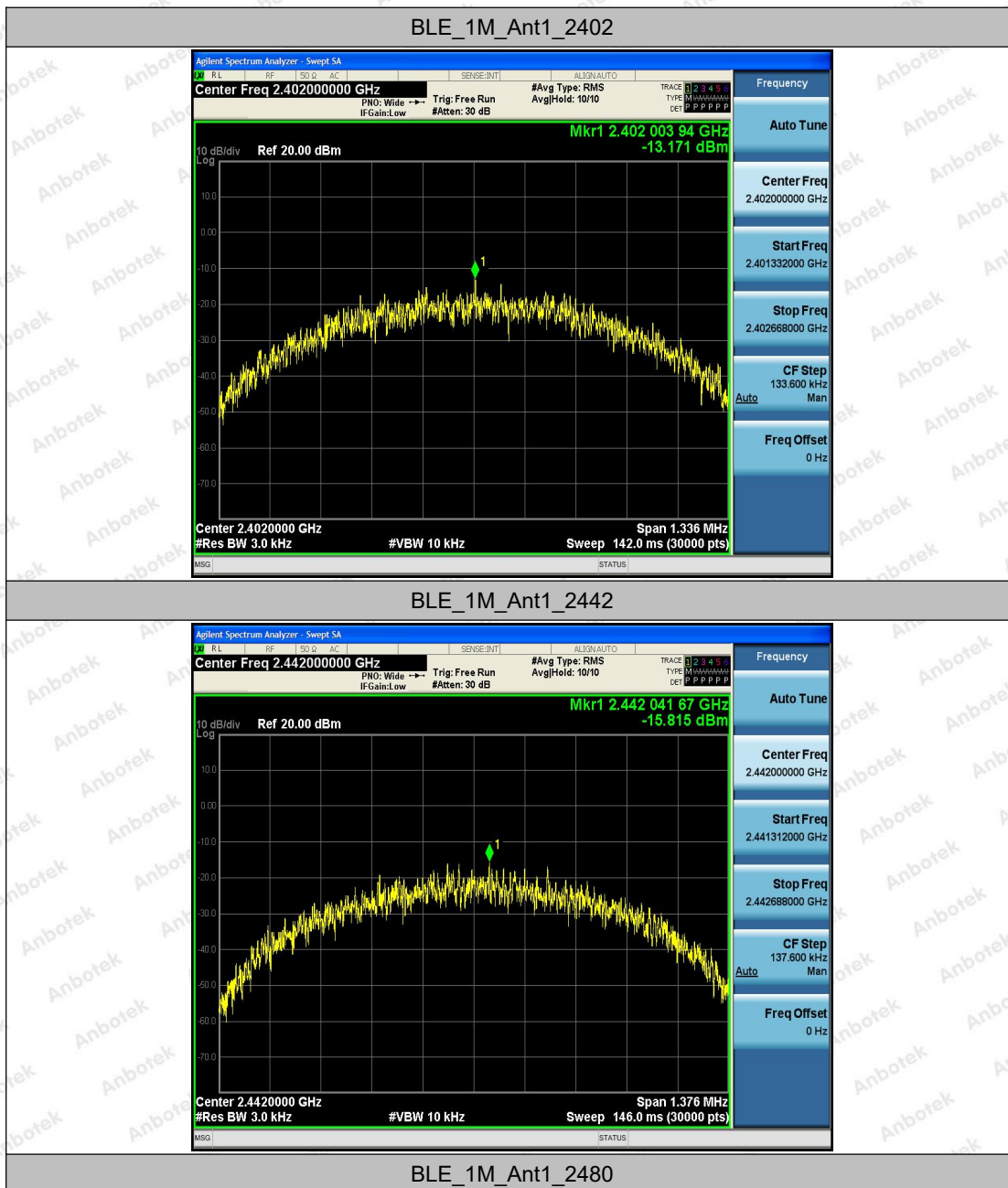
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.17	≤8	PASS
		2442	-15.82	≤8	PASS
		2480	-13.43	≤8	PASS

Test Graphs

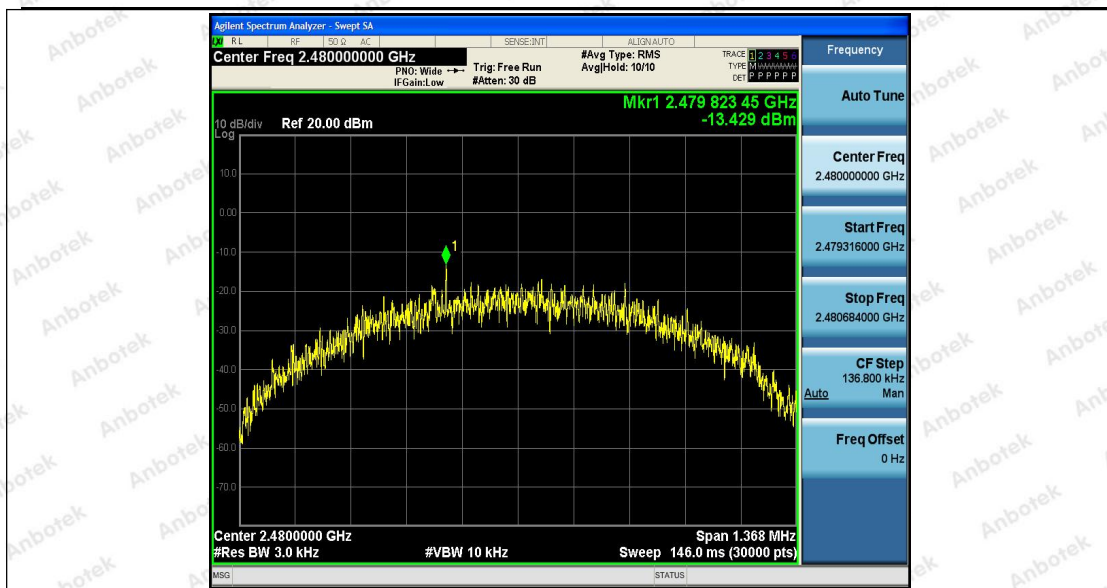


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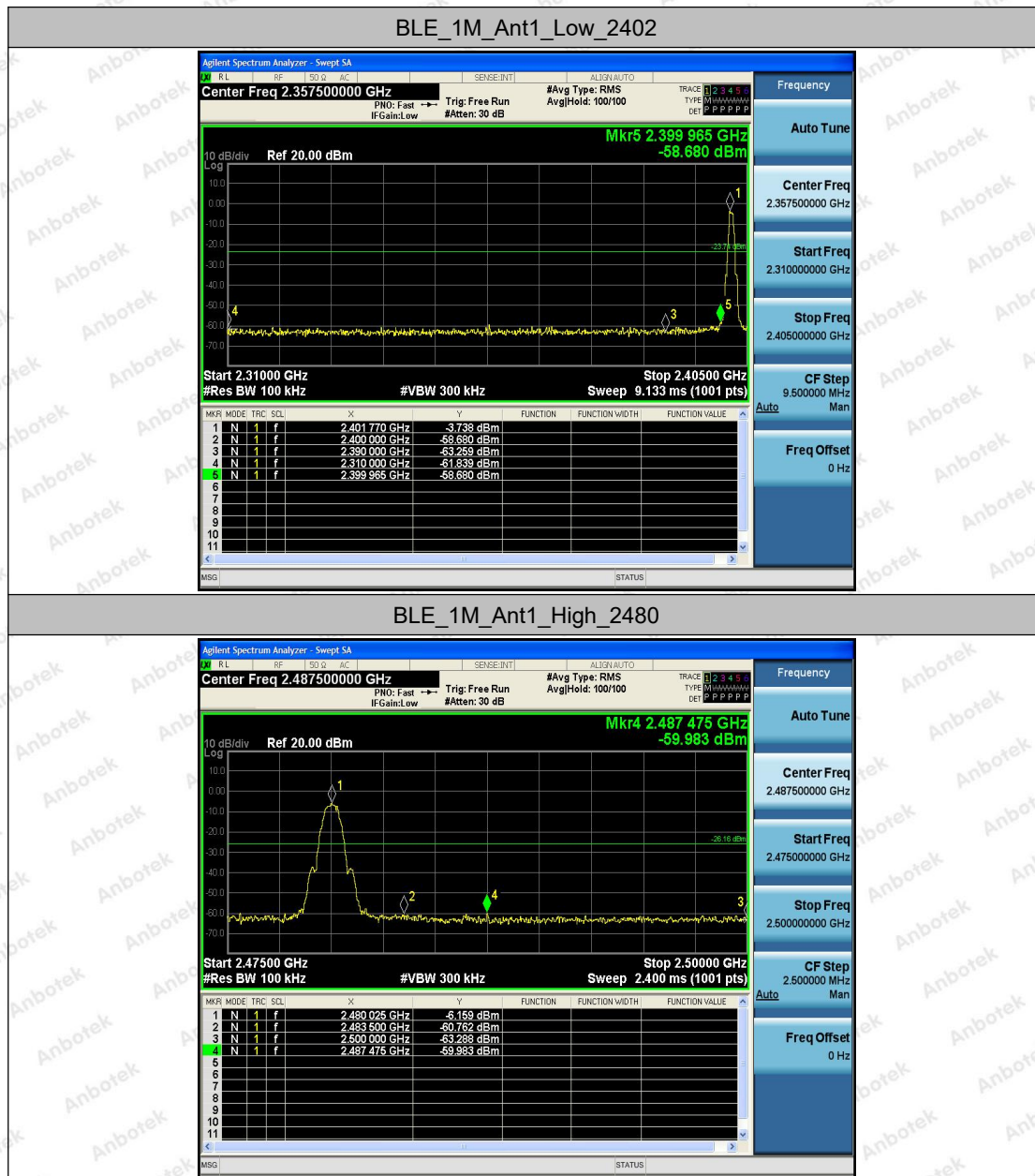
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-3.74	-58.68	≤-23.74	PASS
		High	2480	-6.16	-59.98	≤-26.16	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

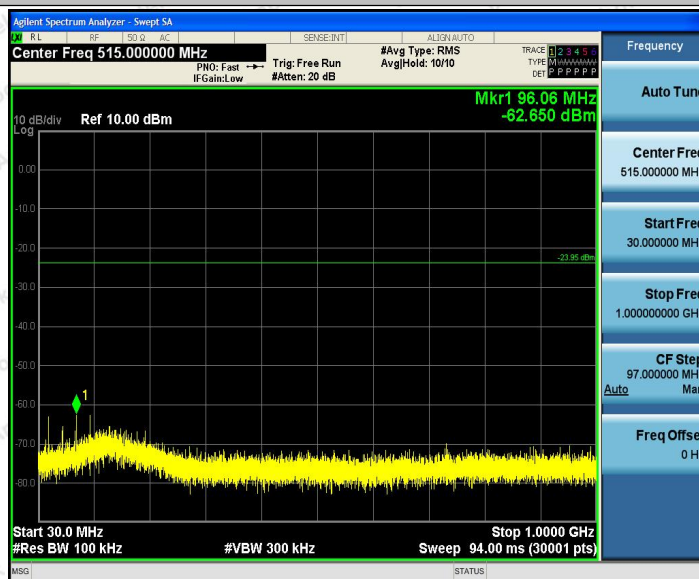
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-3.95	-3.95	---	PASS
			30~1000	-3.95	-62.65	≤-23.95	PASS
			1000~265 00	-3.95	-46.88	≤-23.95	PASS
		2442	Reference	-5.84	-5.84	---	PASS
			30~1000	-5.84	-61.56	≤-25.84	PASS
			1000~265 00	-5.84	-48.12	≤-25.84	PASS
		2480	Reference	-6.65	-6.65	---	PASS
			30~1000	-6.65	-62.38	≤-26.65	PASS
			1000~265 00	-6.65	-49.16	≤-26.65	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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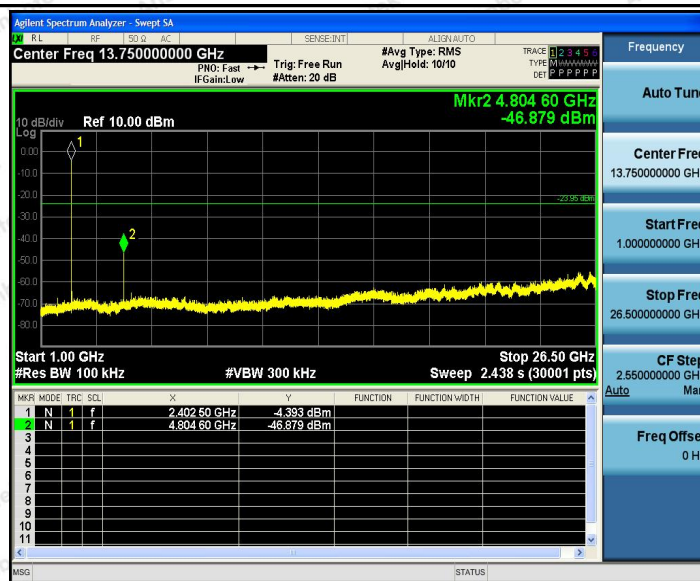
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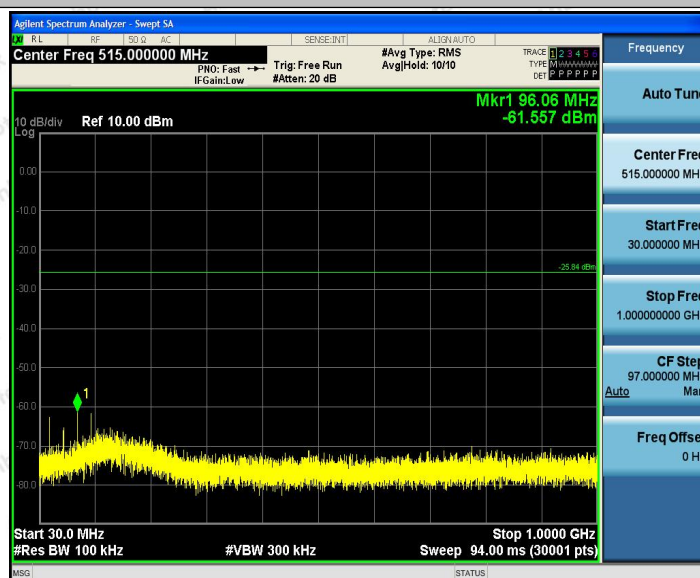
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BLE_1M_Ant1_2442_0~Reference



BLE_1M_Ant1_2442_30~1000



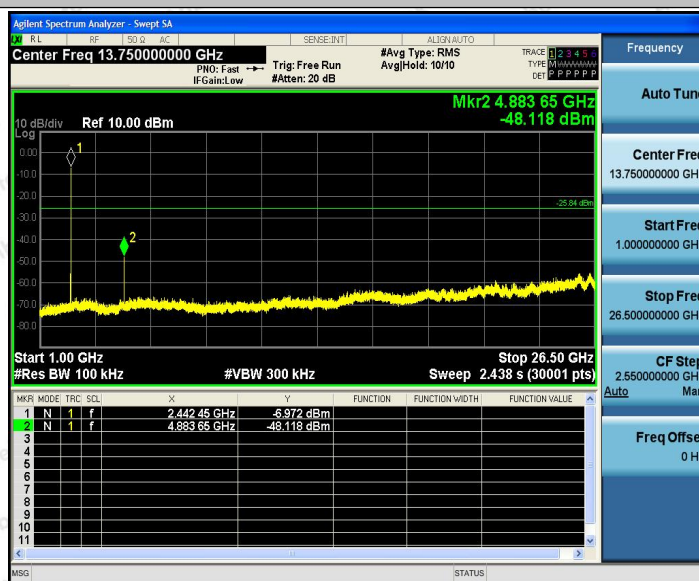
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BLE_1M_Ant1_2442_1000~26500



BLE_1M_Ant1_2480_0~Reference



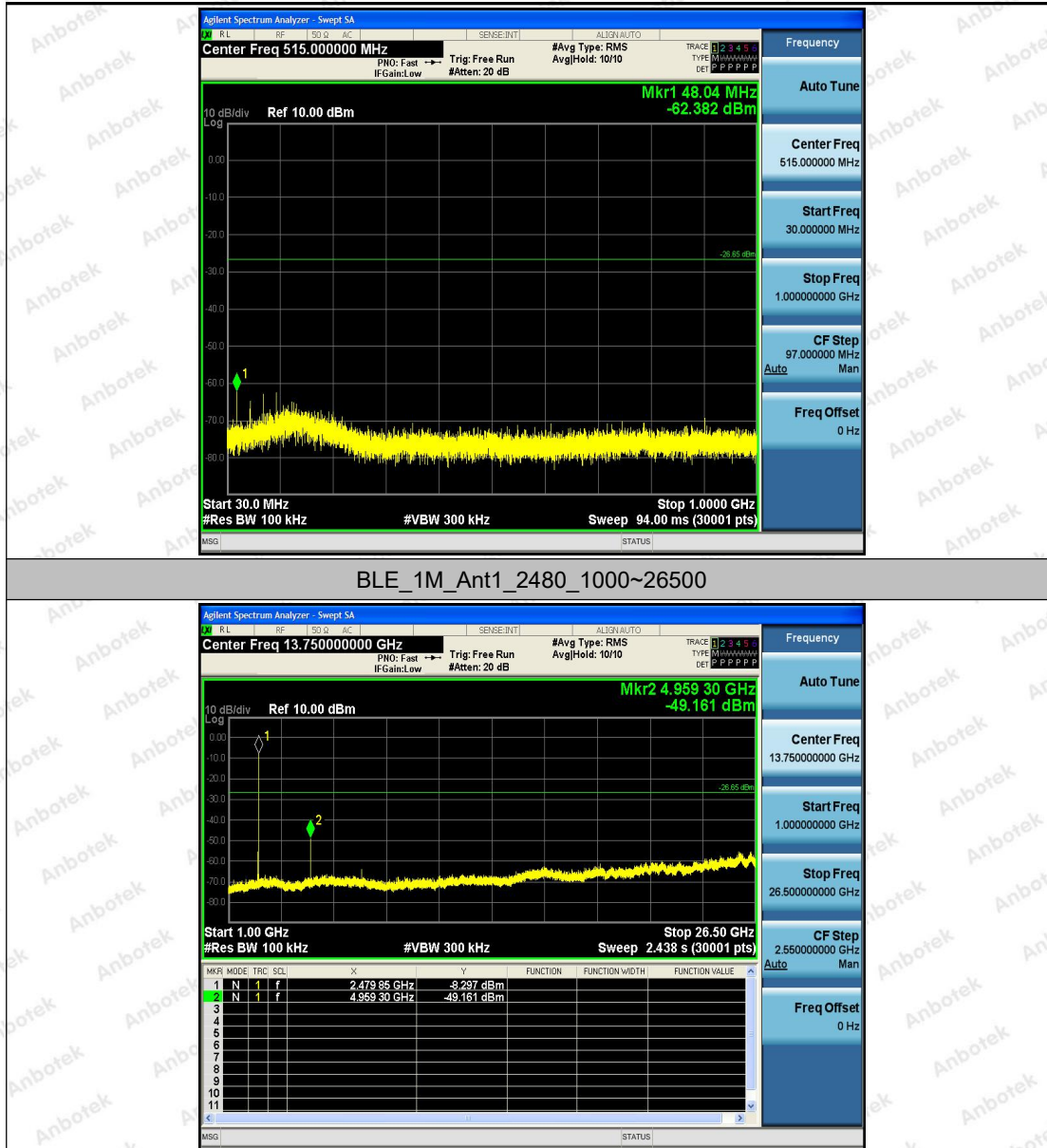
BLE_1M_Ant1_2480_30~1000

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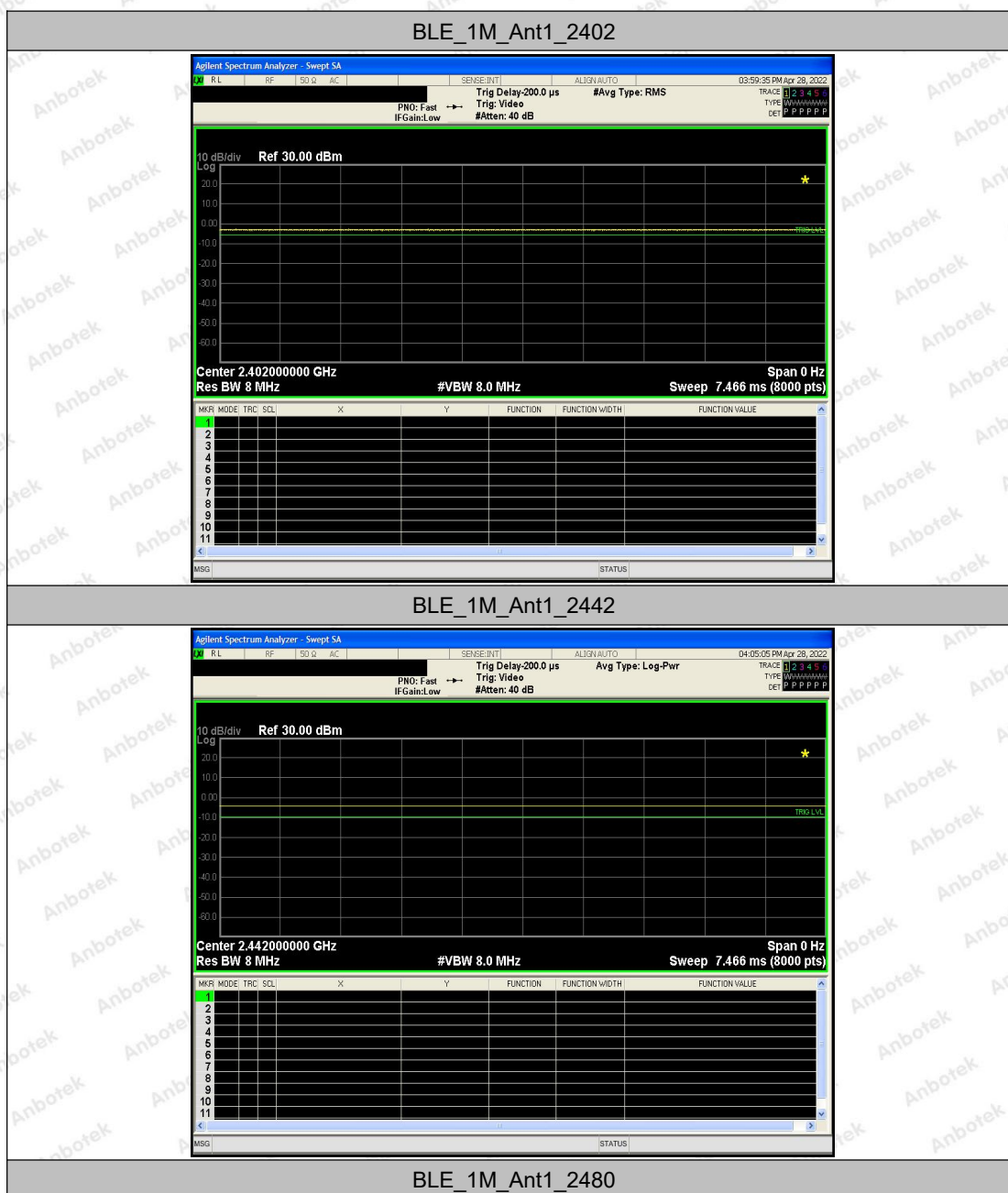
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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	7.466	7.466	1	100	0	---	PASS
		2442	7.466	7.466	1	100	0	---	PASS
		2480	7.466	7.466	1	100	0	---	PASS

Test Graphs



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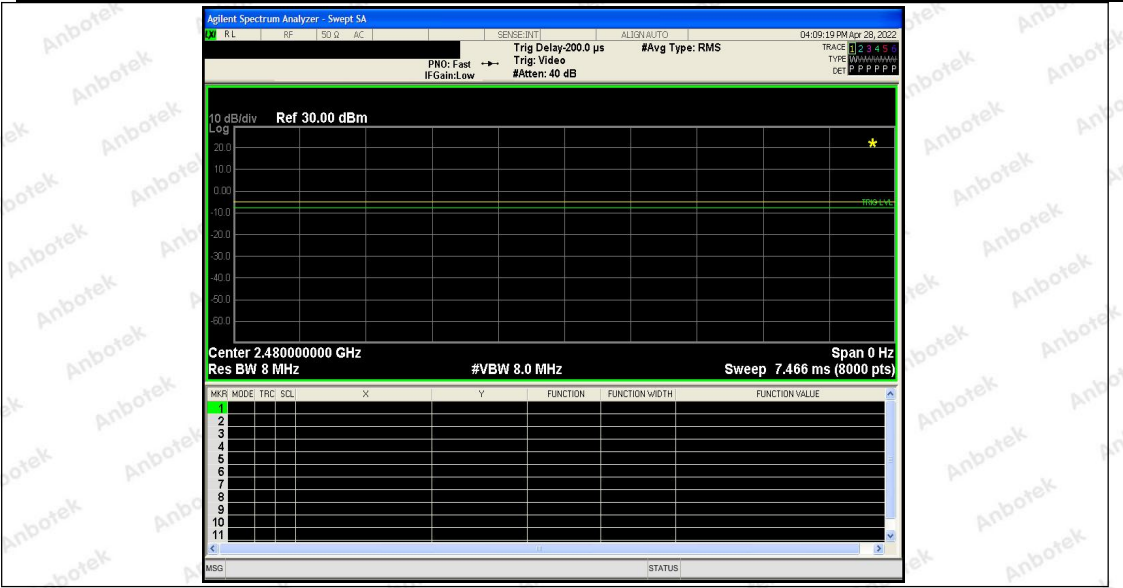
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