

Appendix Test Data

Report No.:	18220WC20024802	Test Sample No.:	1-2-2
Start Test Date:	2022.2.18	Finish Test Date:	2022.3.9
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.3℃	Relative Humidity:	56 %
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	2401.640	2402.340	≥0.5	PASS
		2440	0.696	2439.640	2440.336	≥0.5	PASS
		2480	0.704	2479.640	2480.344	≥0.5	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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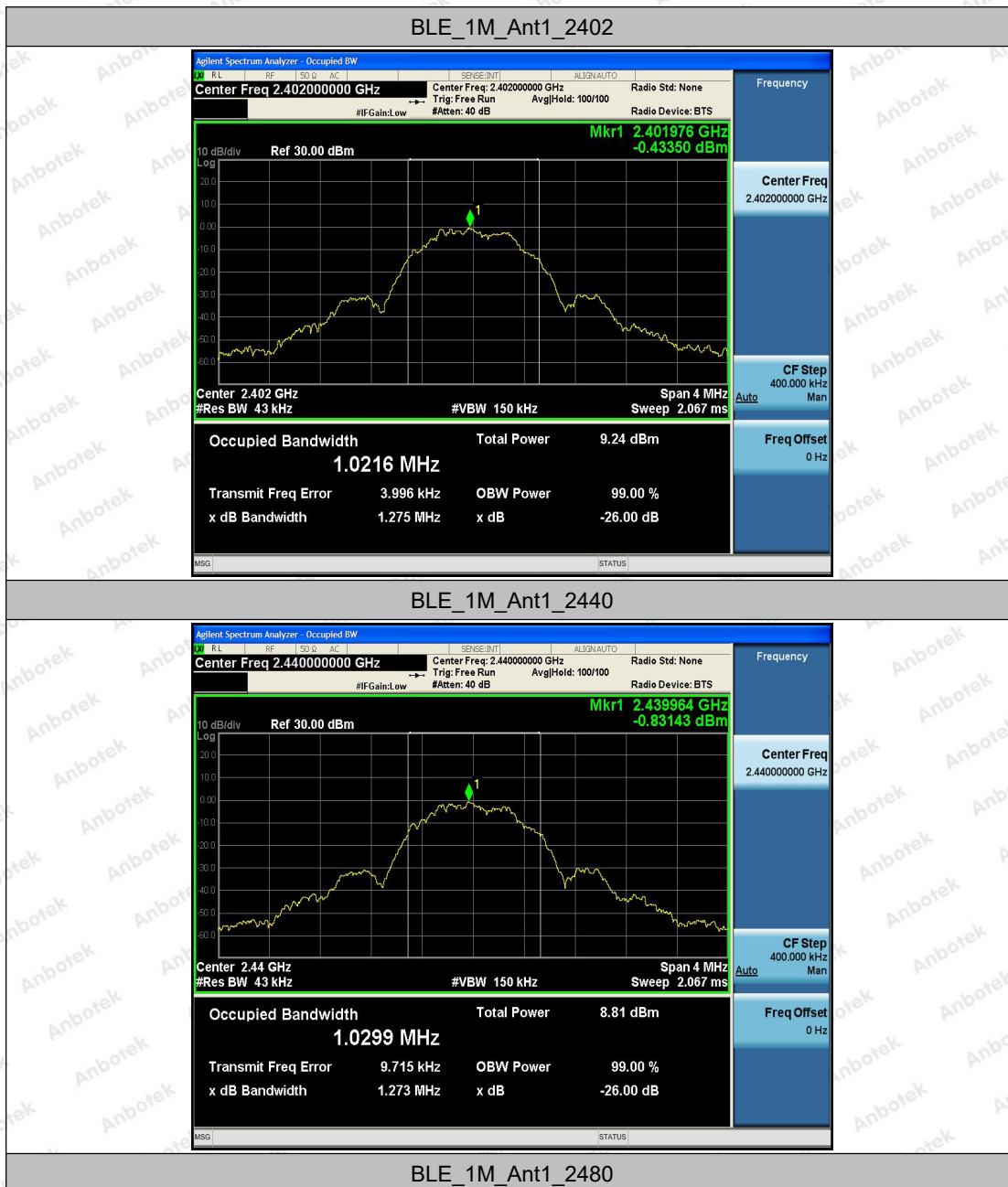
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0216	2401.493	2402.515	---	PASS
		2440	1.0299	2439.495	2440.525	---	PASS
		2480	1.0274	2479.497	2480.524	---	PASS

Test Graphs



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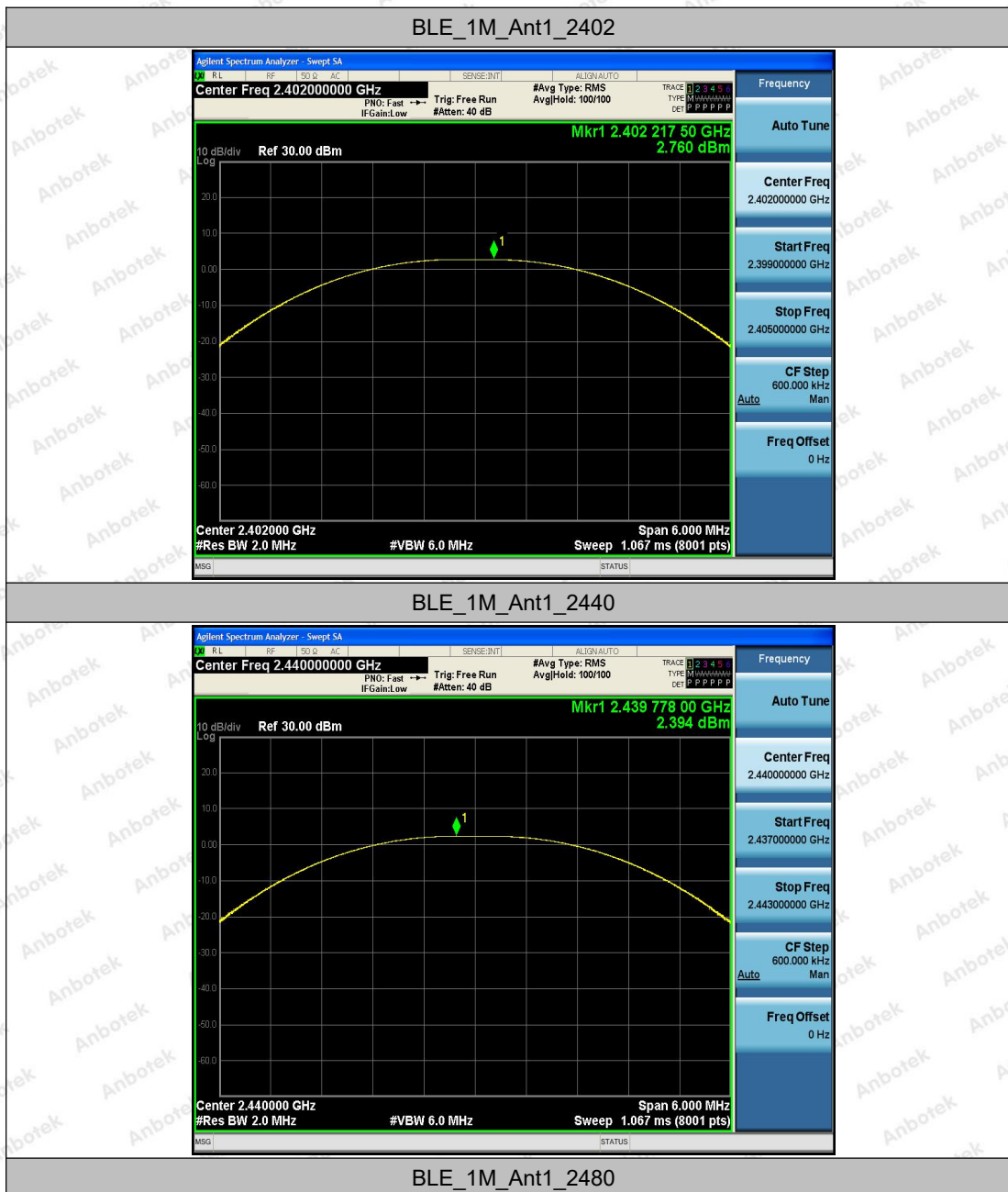
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.76	≤30	PASS
		2440	2.39	≤30	PASS
		2480	3.23	≤30	PASS

Test Graphs

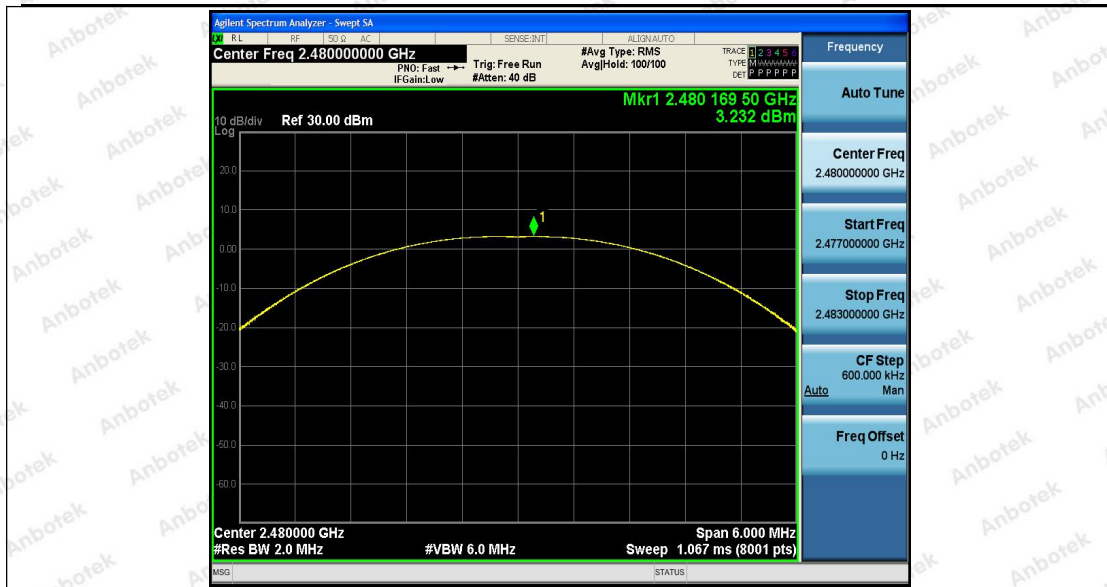


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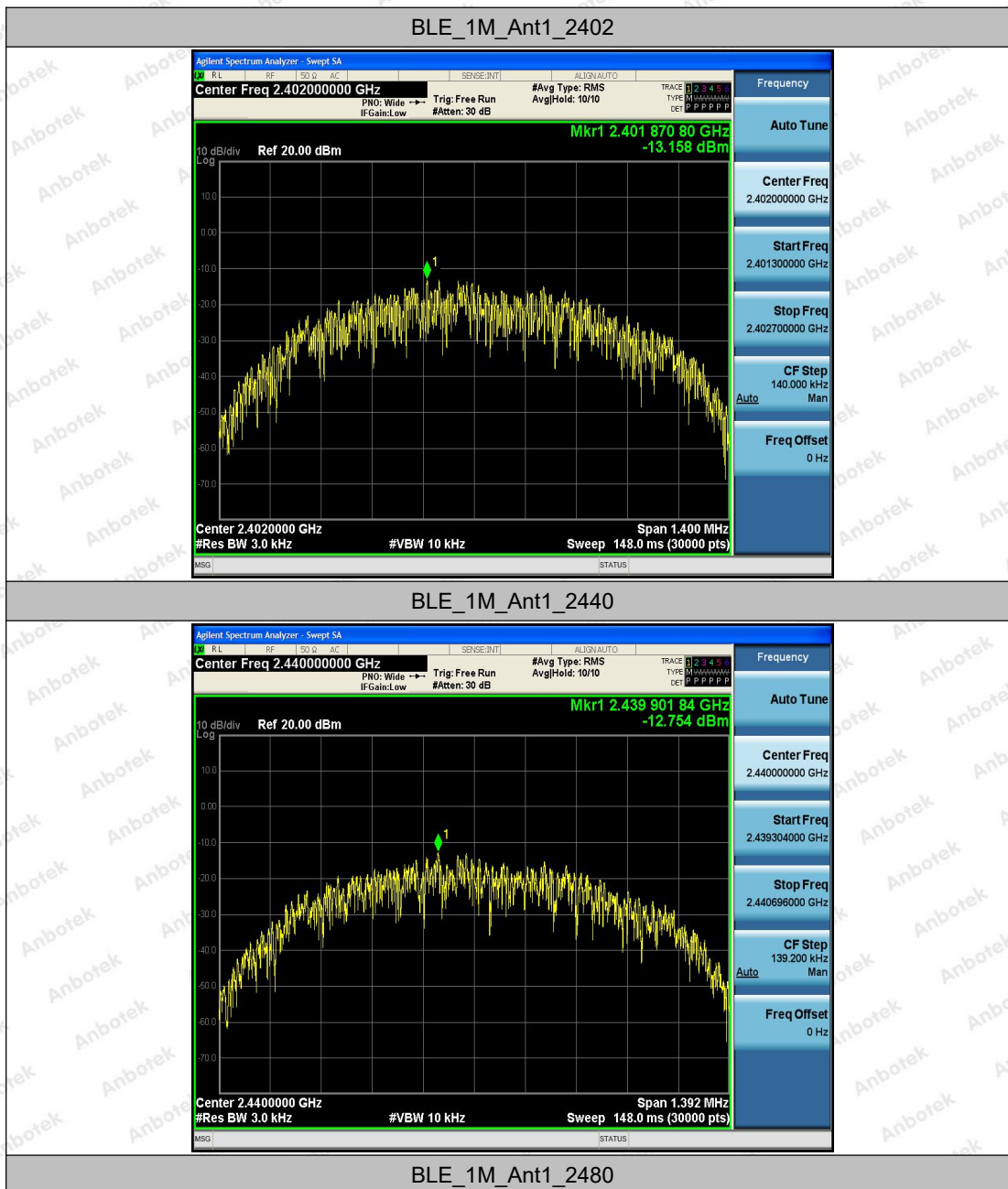
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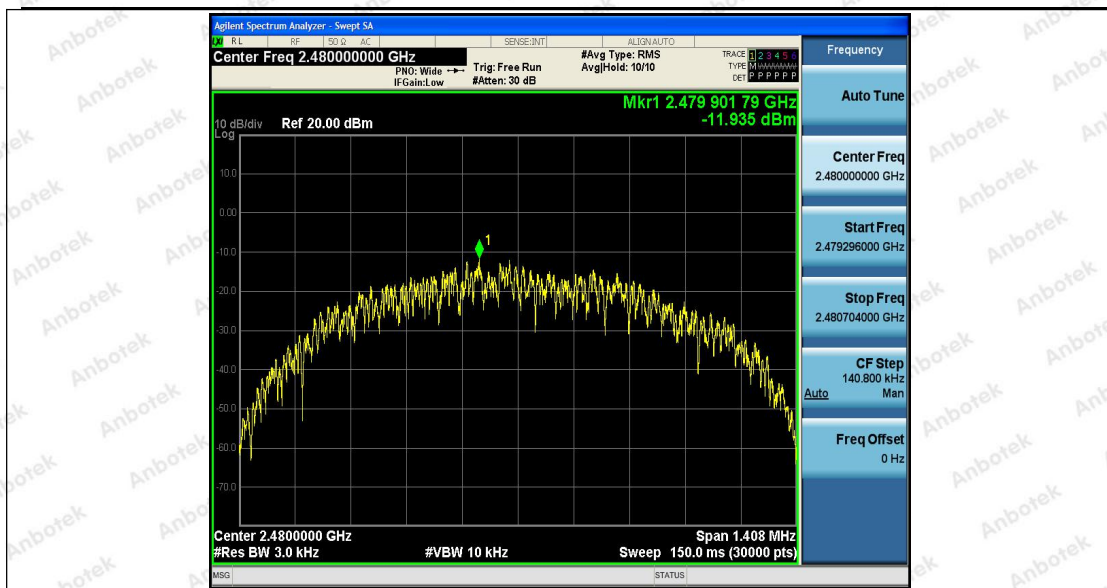
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.16	≤8	PASS
		2440	-12.75	≤8	PASS
		2480	-11.94	≤8	PASS

Test Graphs





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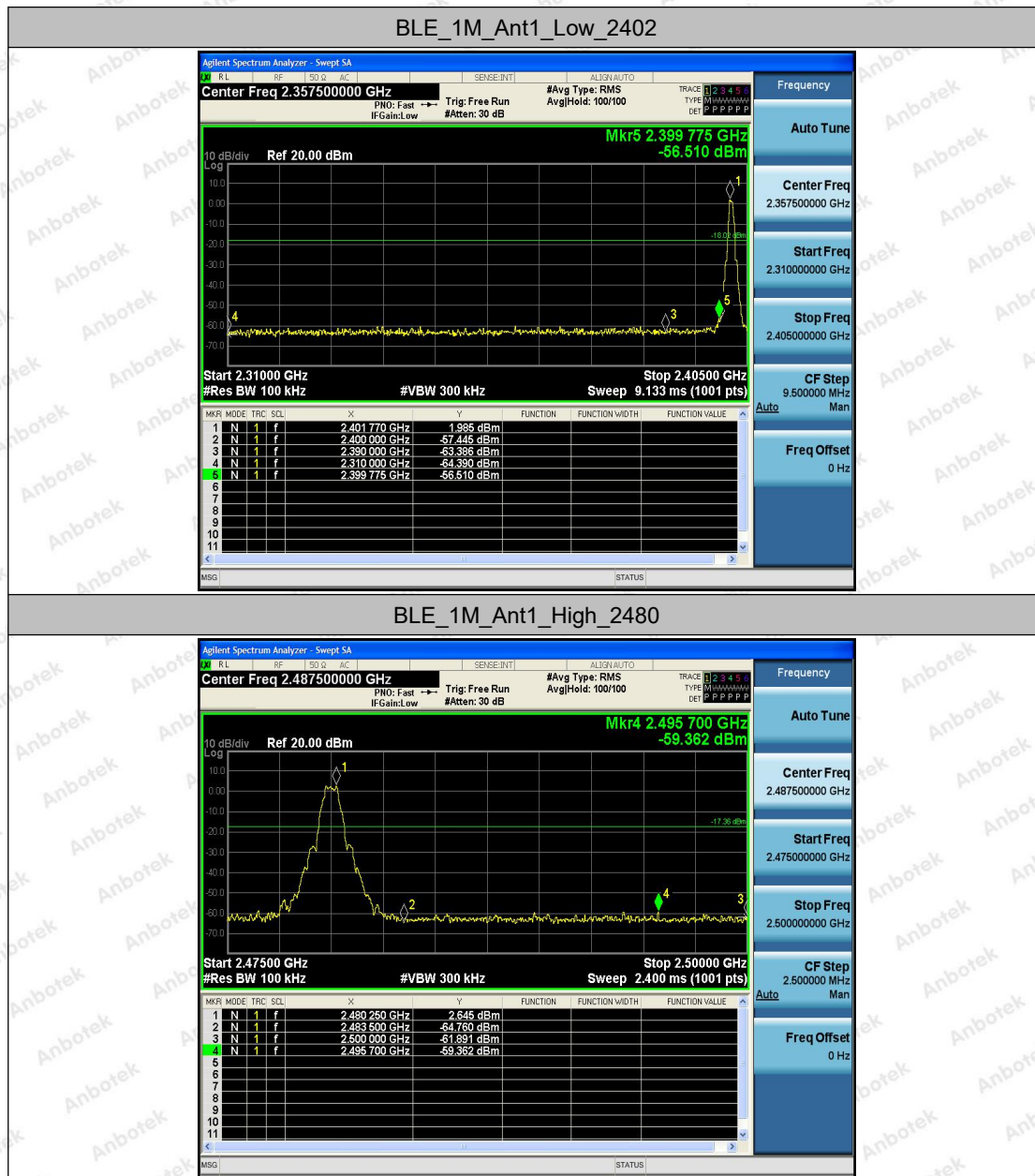
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.99	-56.51	≤-18.02	PASS
		High	2480	2.65	-59.36	≤-17.36	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

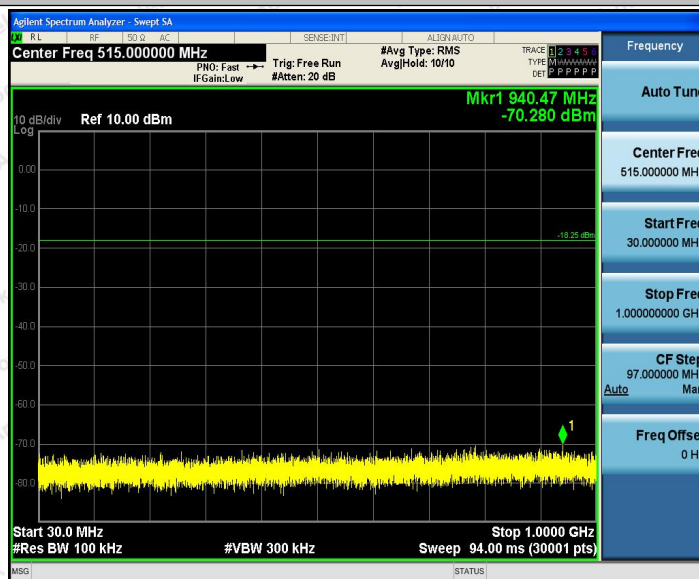
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	1.75	1.75	---	PASS
			30~1000	1.75	-70.28	≤-18.25	PASS
			1000~265 00	1.75	-55.16	≤-18.25	PASS
		2440	Reference	1.48	1.48	---	PASS
			30~1000	1.48	-70.28	≤-18.52	PASS
			1000~265 00	1.48	-55.39	≤-18.52	PASS
		2480	Reference	2.44	2.44	---	PASS
			30~1000	2.44	-70.84	≤-17.56	PASS
			1000~265 00	2.44	-54.8	≤-17.56	PASS

Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



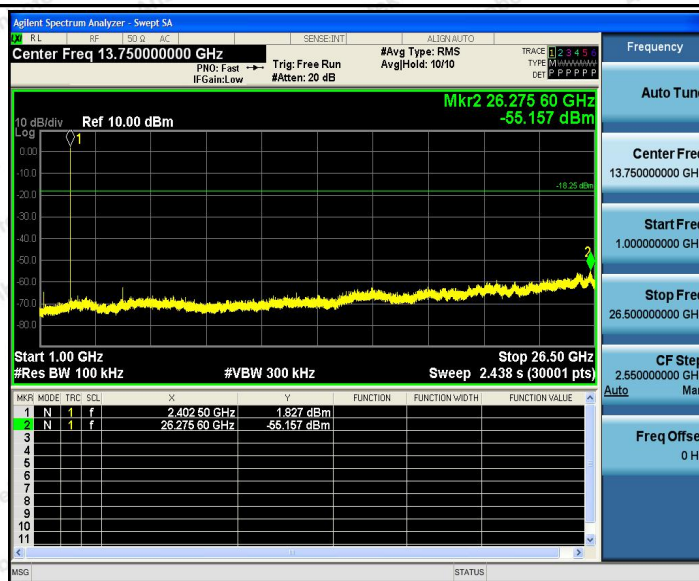
BLE_1M_Ant1_2402_1000~26500

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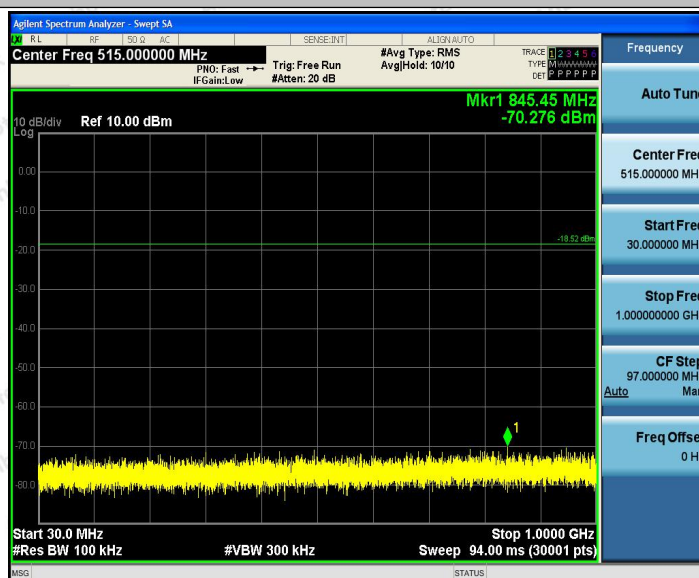
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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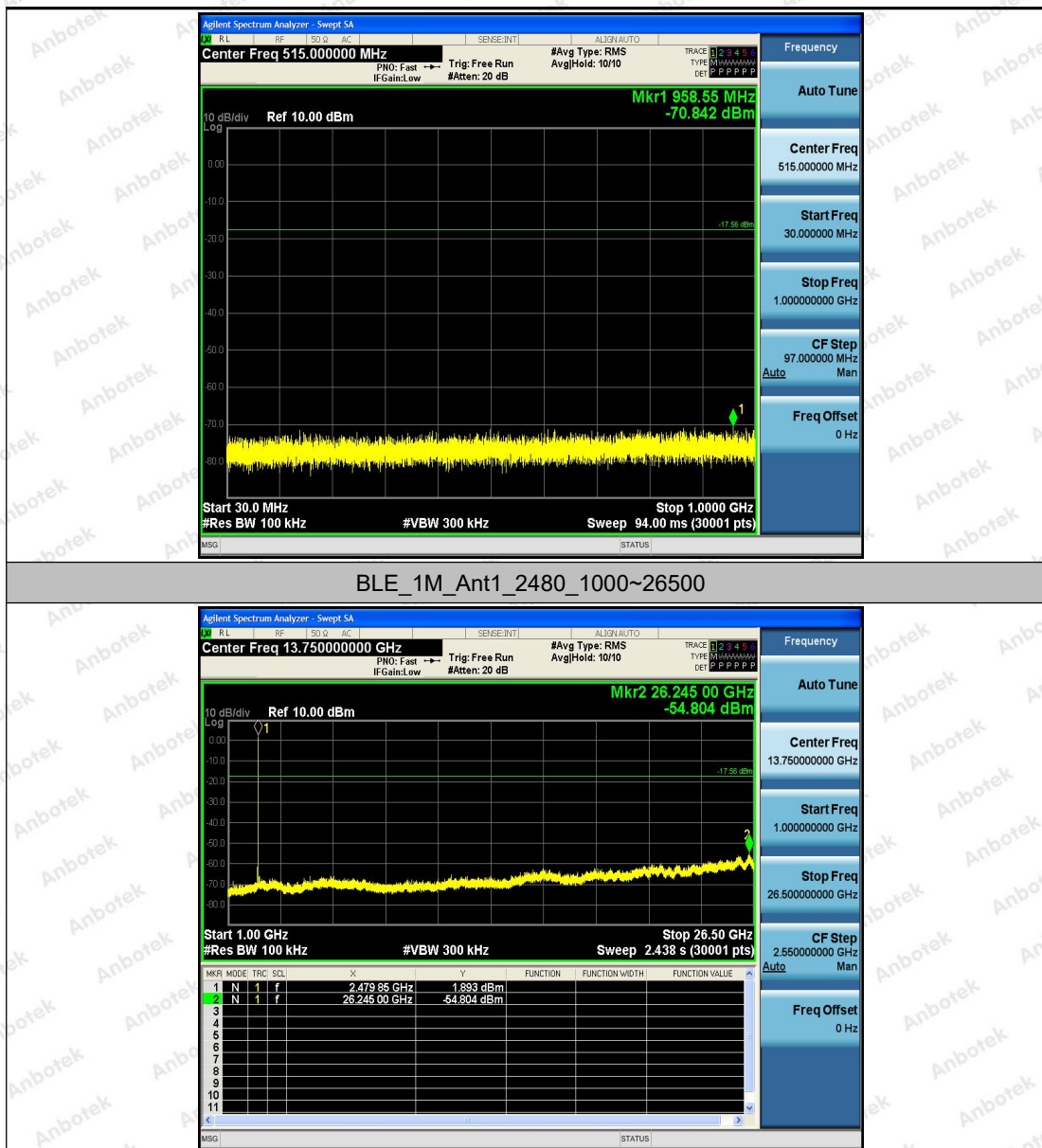
BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000



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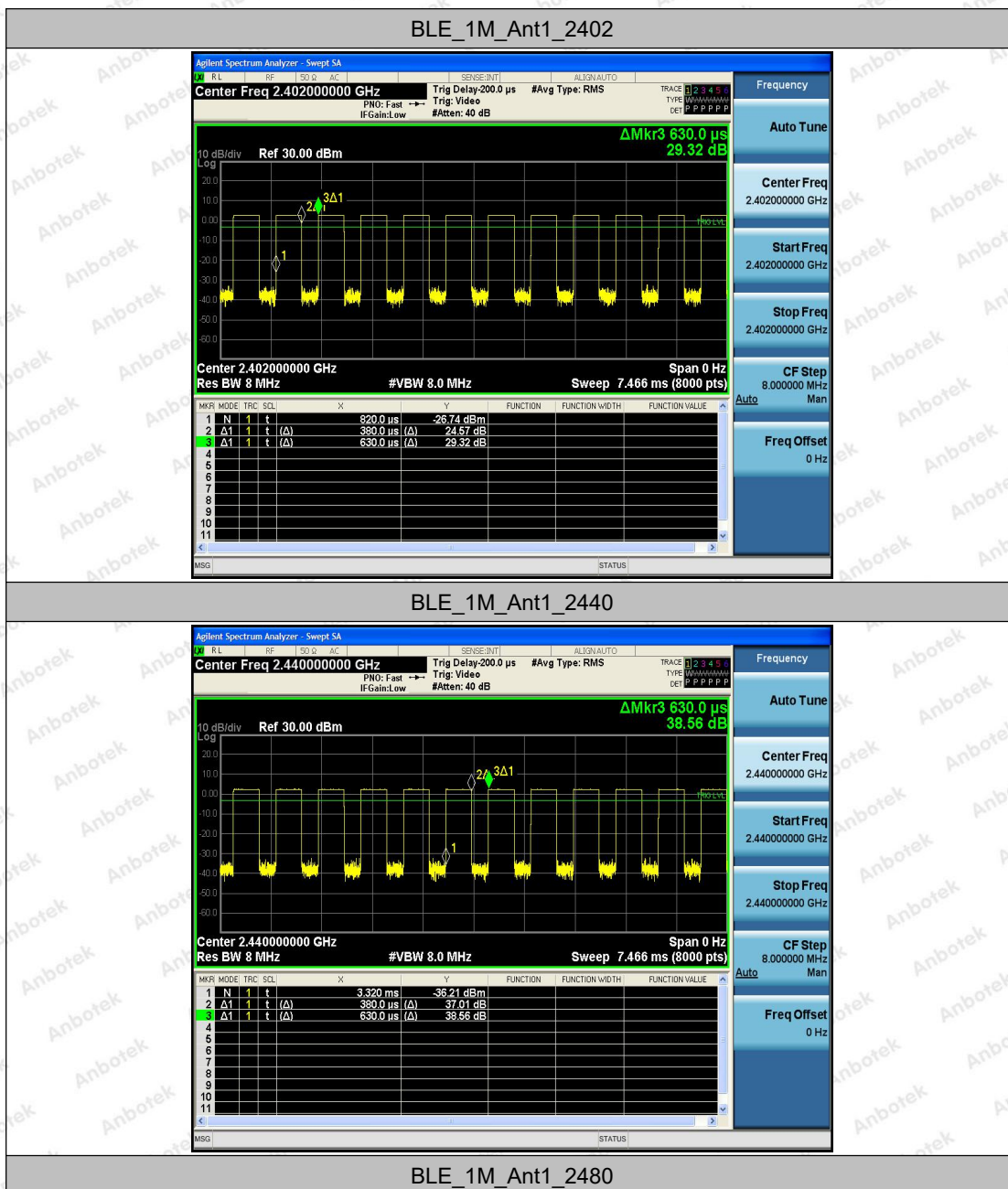
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Appendix G: Duty Cycle

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	0.63	0.603 2	60.32	2.20	---	PASS
		2480	0.38	0.63	0.603 2	60.32	2.20	---	PASS

Test Graphs



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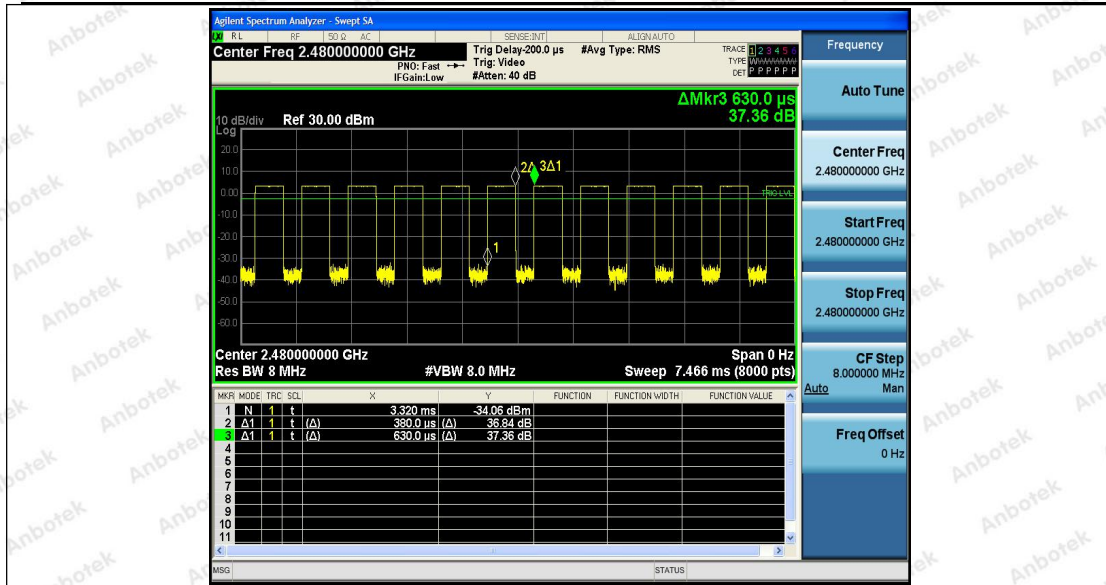
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