

Appendix Test Data

Report No.:	18220WC20147201	Test Sample No.:	1-2-2
Start Test Date:	2022.7.6	Finish Test Date:	2022.7.11
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.3℃	Relative Humidity:	56.5 %
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	0.804	2401.644	2402.448	≥0.5	PASS
		2440	0.652	2439.640	2440.292	≥0.5	PASS
		2480	0.668	2479.636	2480.304	≥0.5	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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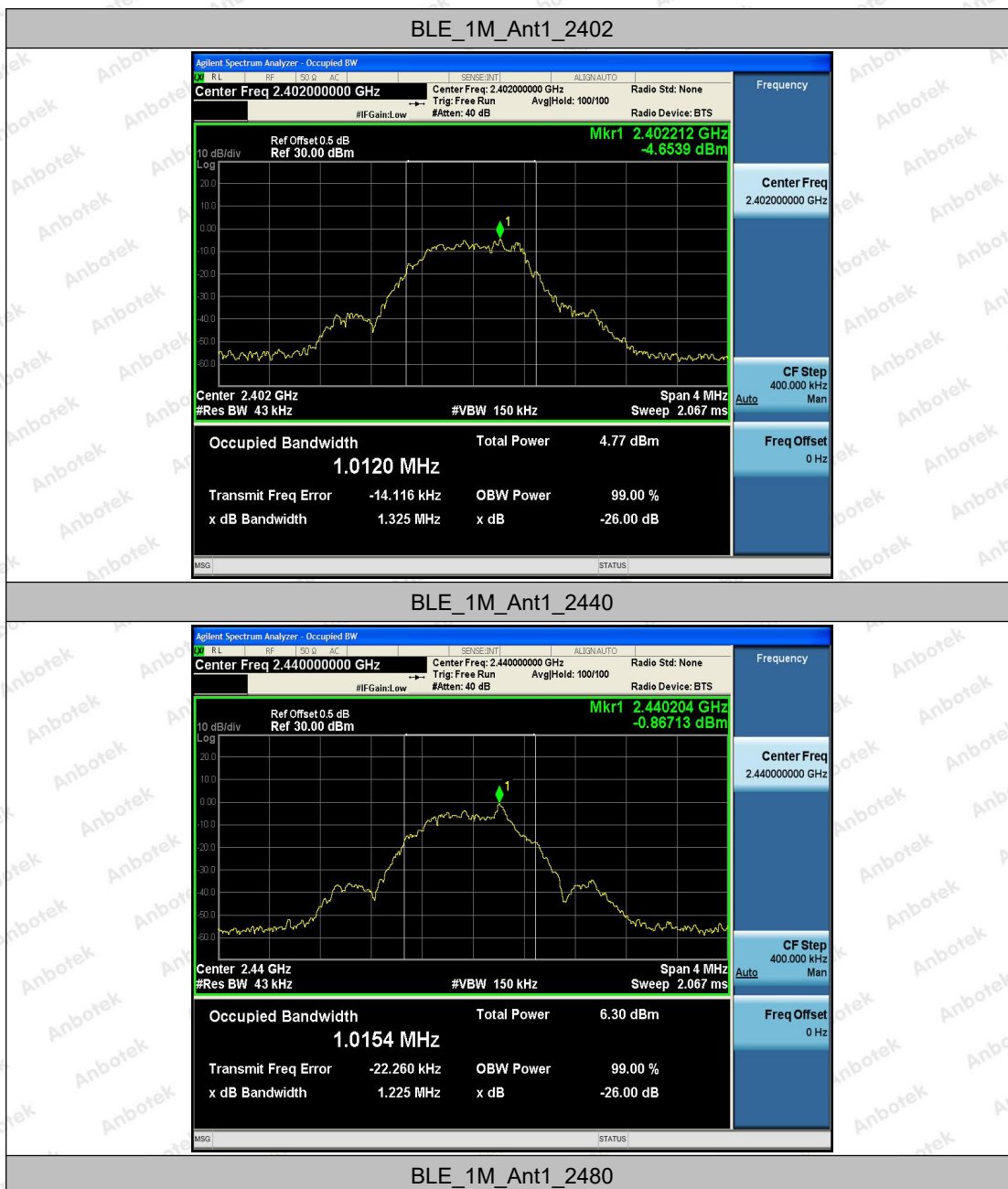
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0120	2401.480	2402.492	---	PASS
		2440	1.0154	2439.470	2440.485	---	PASS
		2480	1.0000	2479.472	2480.472	---	PASS

Test Graphs

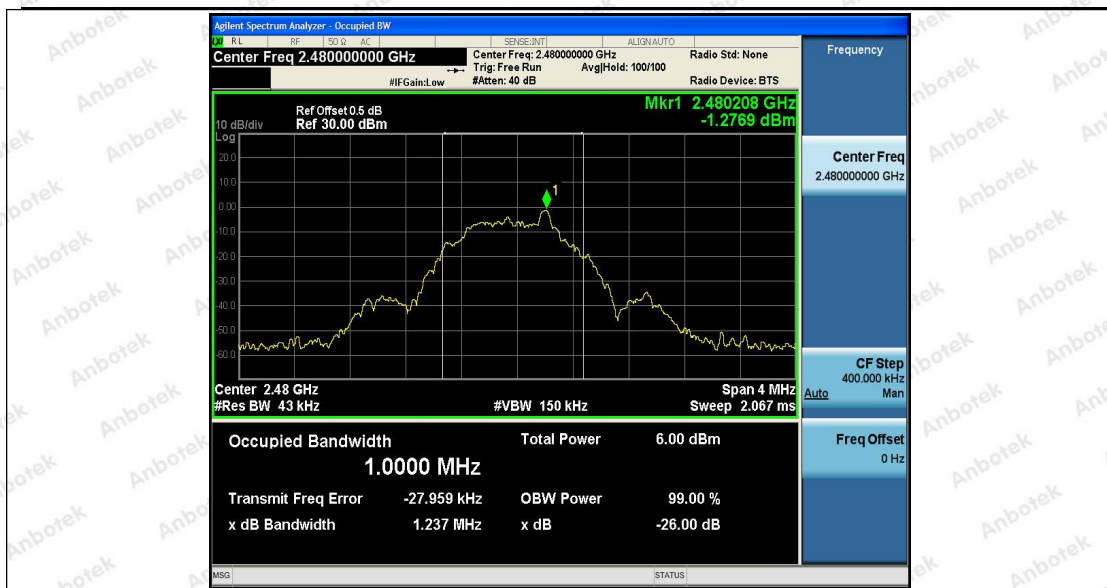


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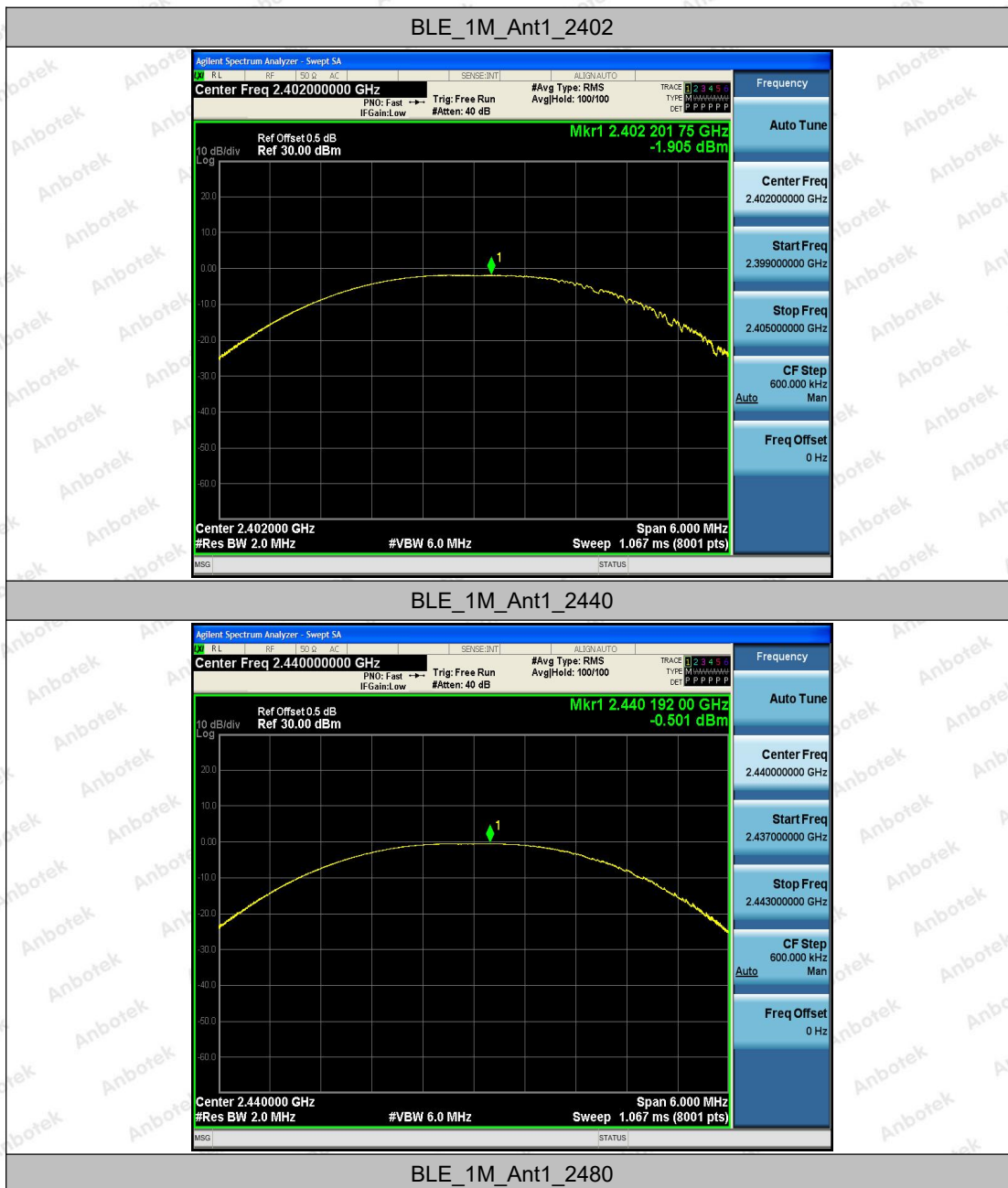
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-1.91	≤30	PASS
		2440	-0.5	≤30	PASS
		2480	-1	≤30	PASS

Test Graphs



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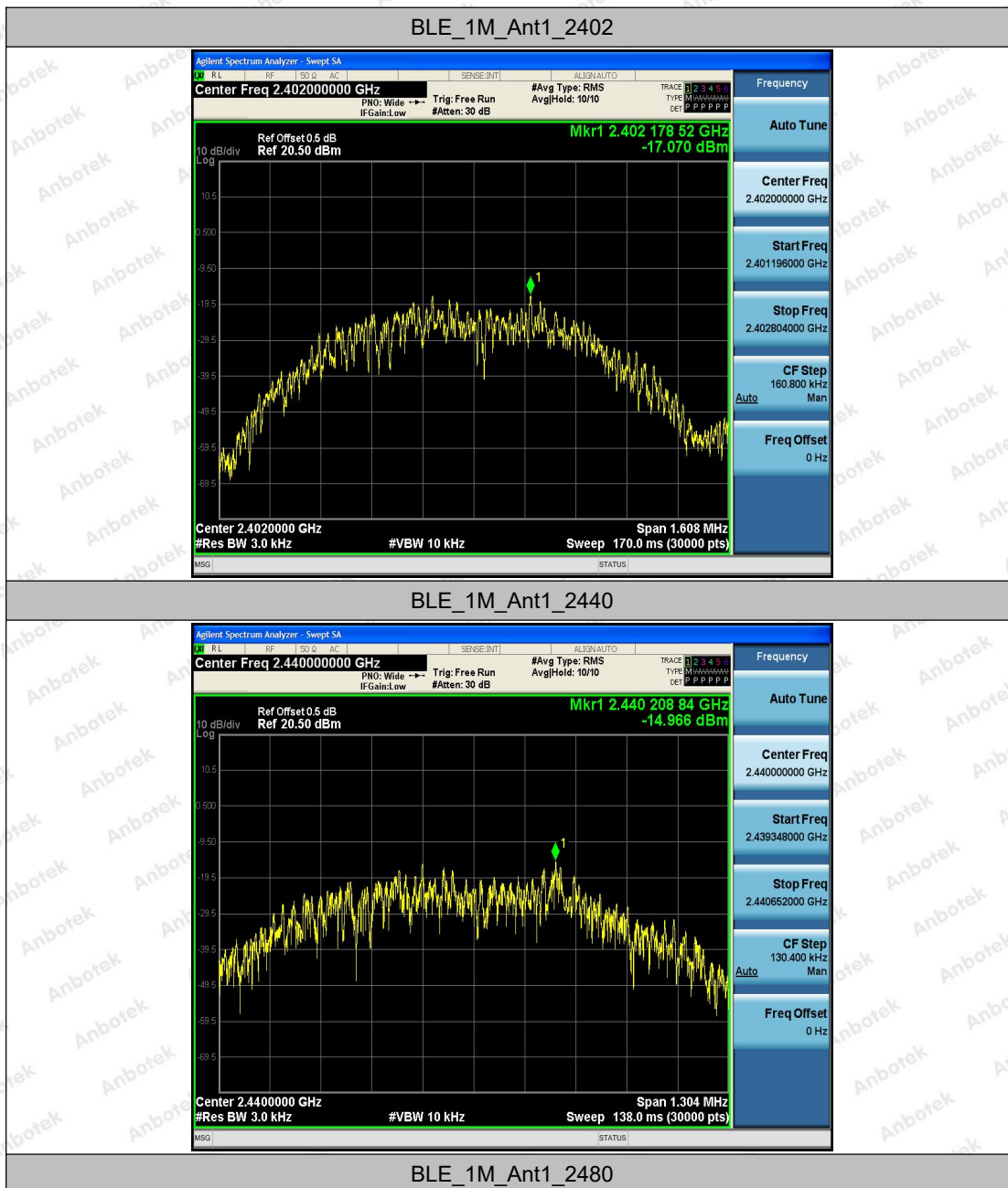
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-17.07	≤8	PASS
		2440	-14.97	≤8	PASS
		2480	-15.97	≤8	PASS

Test Graphs



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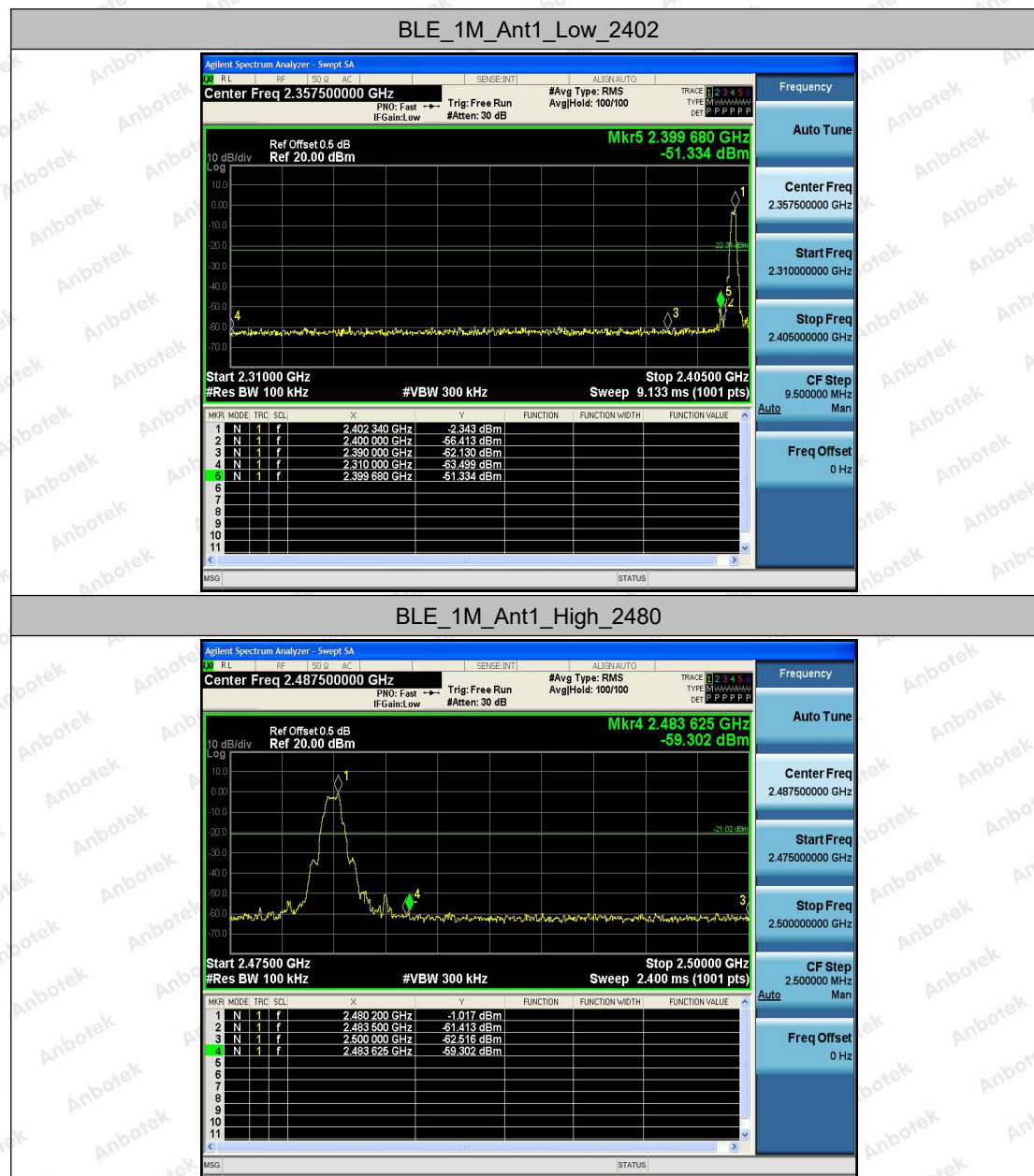
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-2.34	-51.33	≤ -22.34	PASS
		High	2480	-1.02	-59.3	≤ -21.02	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

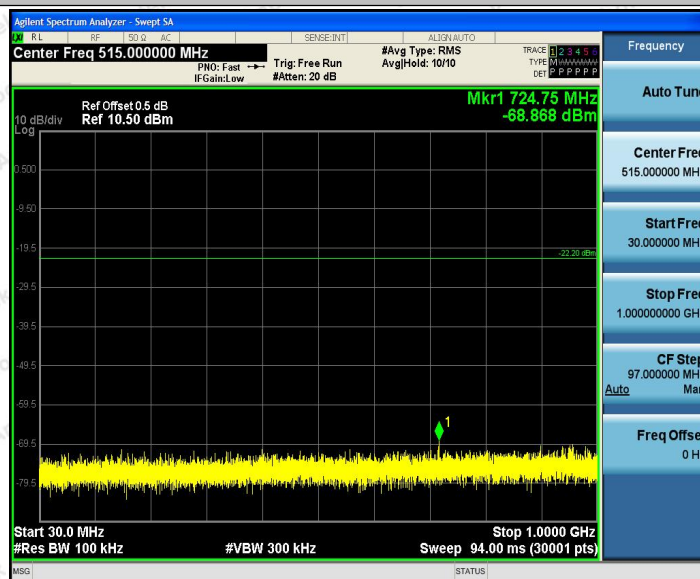
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-2.20	-2.20	---	PASS
			30~1000	-2.20	-68.87	≤-22.2	PASS
			1000~265 00	-2.20	-53.33	≤-22.2	PASS
		2440	Reference	-0.58	-0.58	---	PASS
			30~1000	-0.58	-65.09	≤-20.58	PASS
			1000~265 00	-0.58	-52.22	≤-20.58	PASS
		2480	Reference	-1.44	-1.44	---	PASS
			30~1000	-1.44	-66.33	≤-21.44	PASS
			1000~265 00	-1.44	-52.63	≤-21.44	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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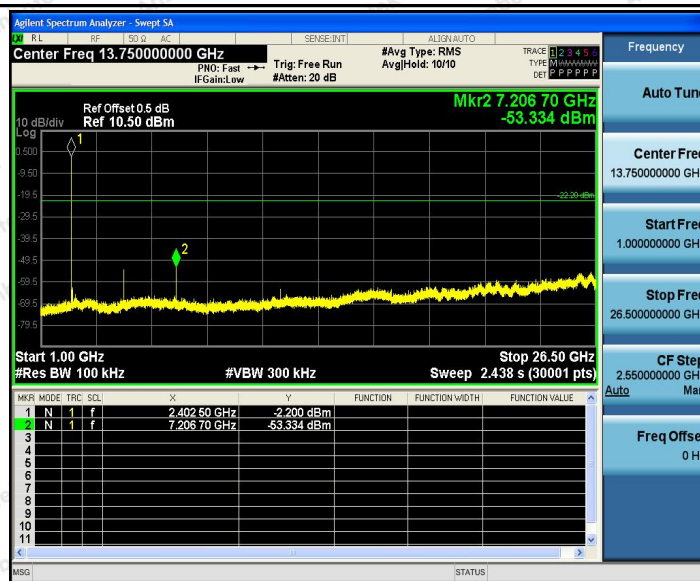
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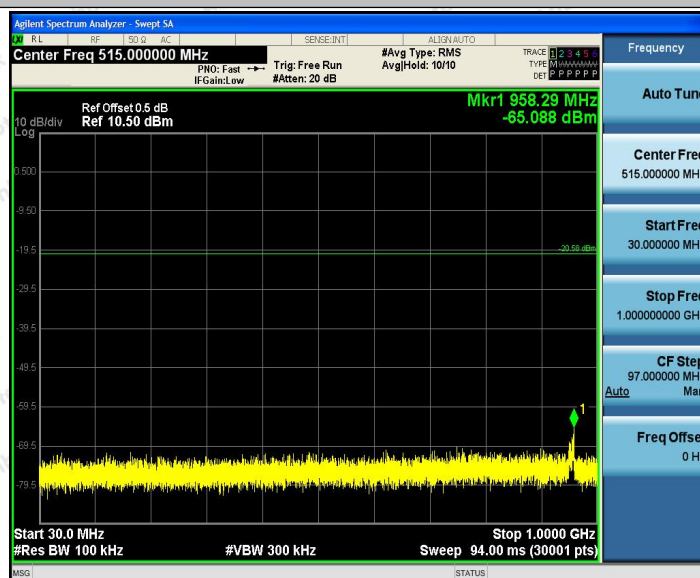
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



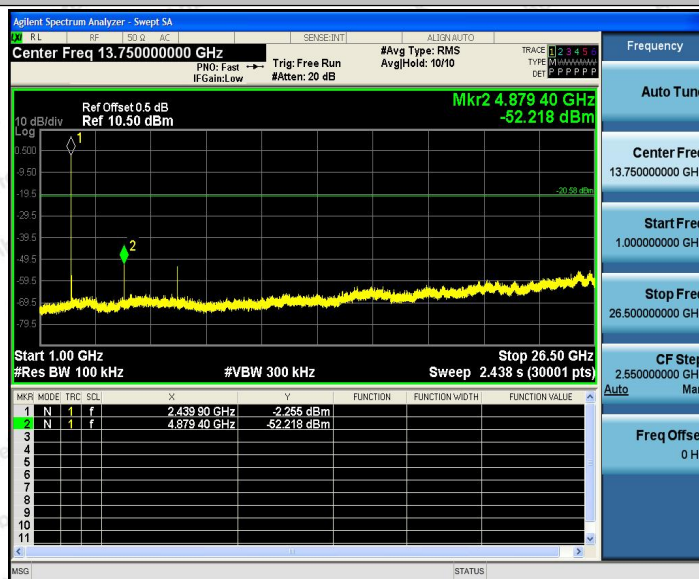
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000

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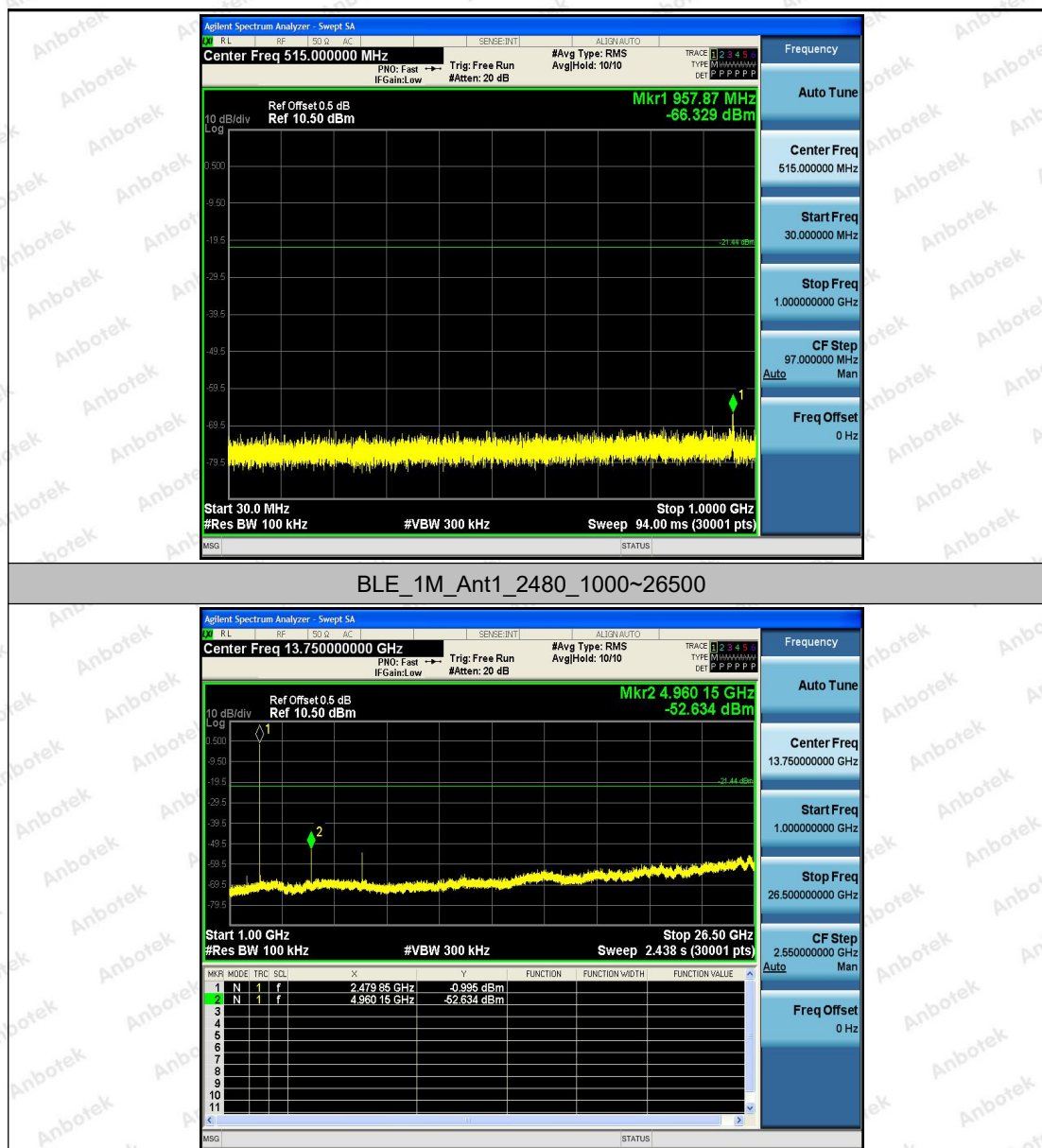
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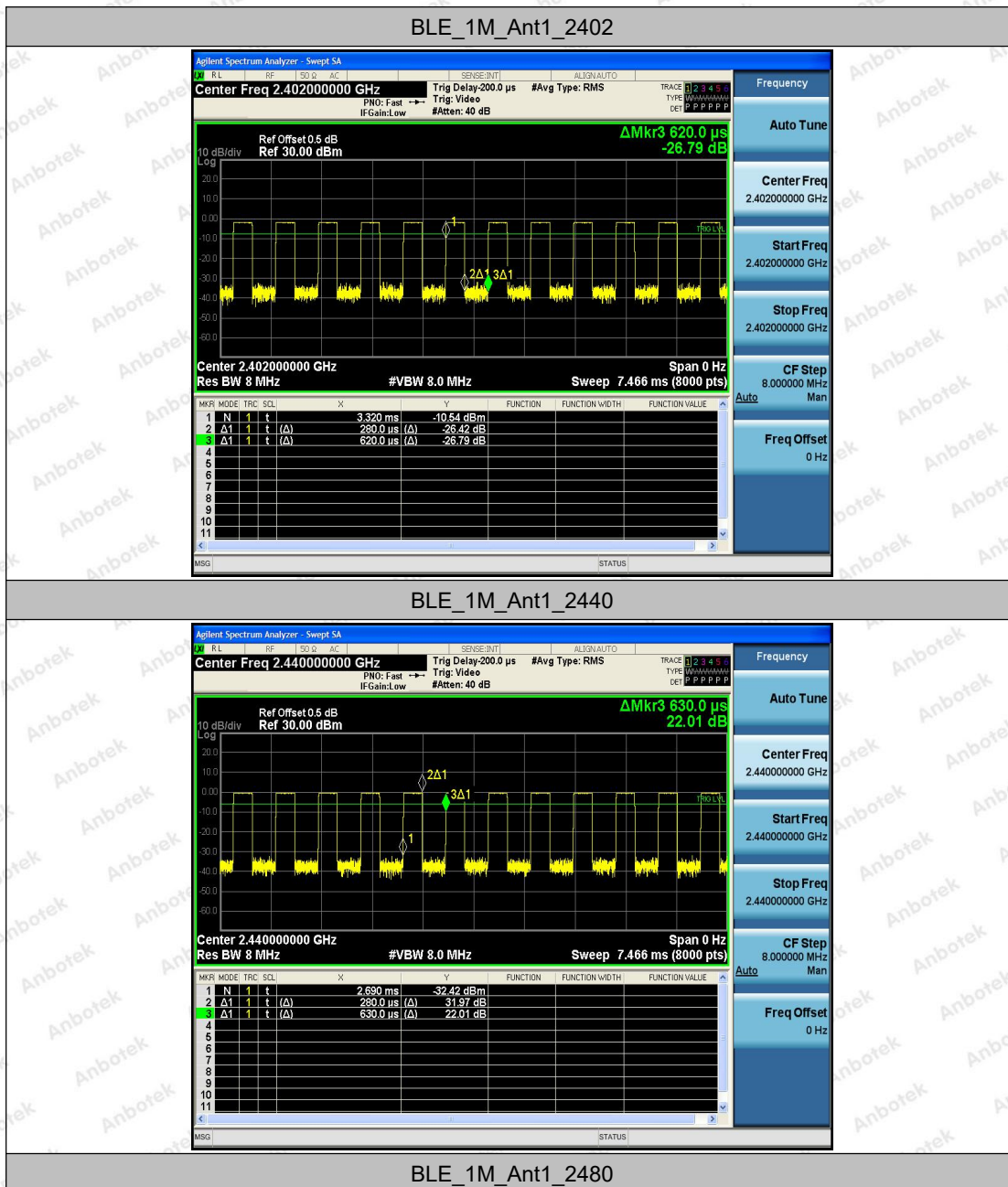
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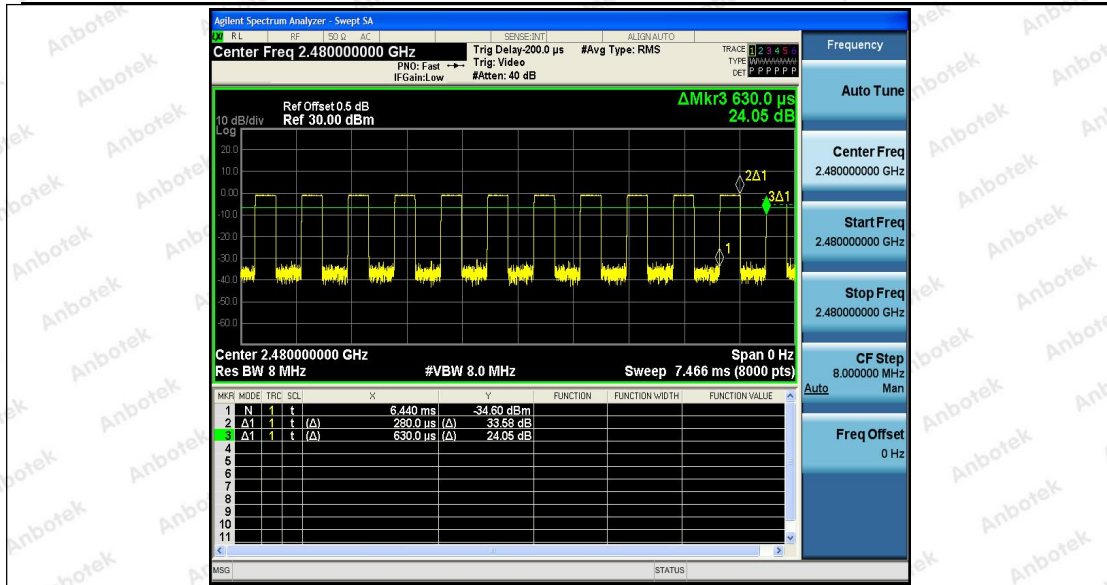
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.28	0.62	0.451 6	45.16	3.45	---	PASS
		2440	0.28	0.63	0.444 4	44.44	3.52	---	PASS
		2480	0.28	0.63	0.444 4	44.44	3.52	---	PASS

Test Graphs





---End---