

Appendix Test Data

Report No.:	18220WC20039101	Test Sample No.:	1-2-2
Start Test Date:	2022.3.1	Finish Test Date:	2022.3..8
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	2401.644	2401.764	≥0.5	PASS
		2440	0.708	2439.640	2439.992	≥0.5	PASS
		2480	0.692	2479.652	2480.004	≥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	1.0324	2401.492	2402.525	---	PASS
		2440	1.0219	2439.494	2440.516	---	PASS
		2480	1.0262	2479.498	2480.524	---	PASS

Test Graphs



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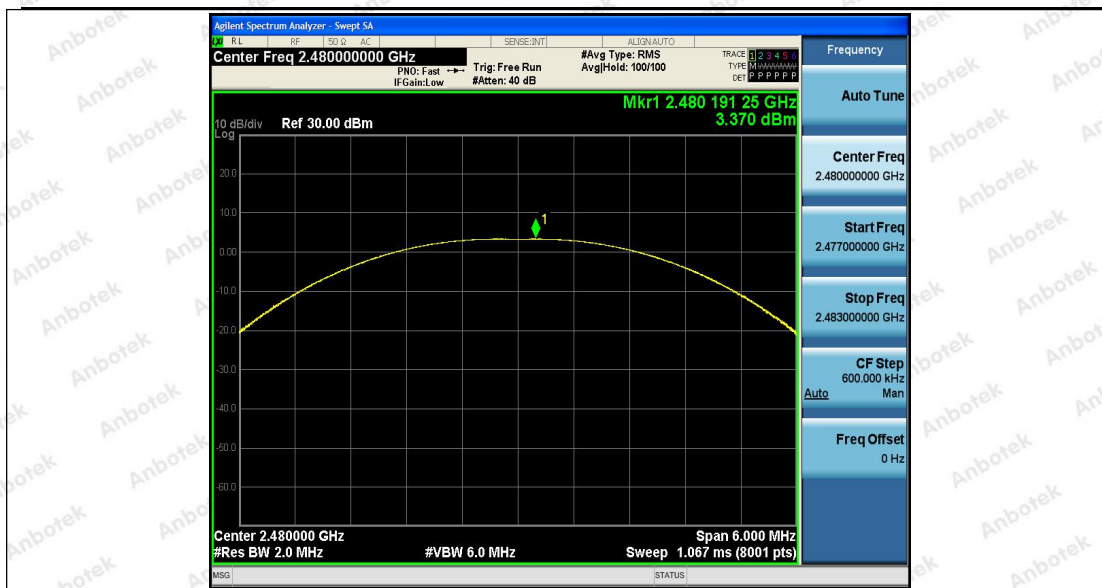
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.66	≤30	PASS
		2440	2.45	≤30	PASS
		2480	3.37	≤30	PASS



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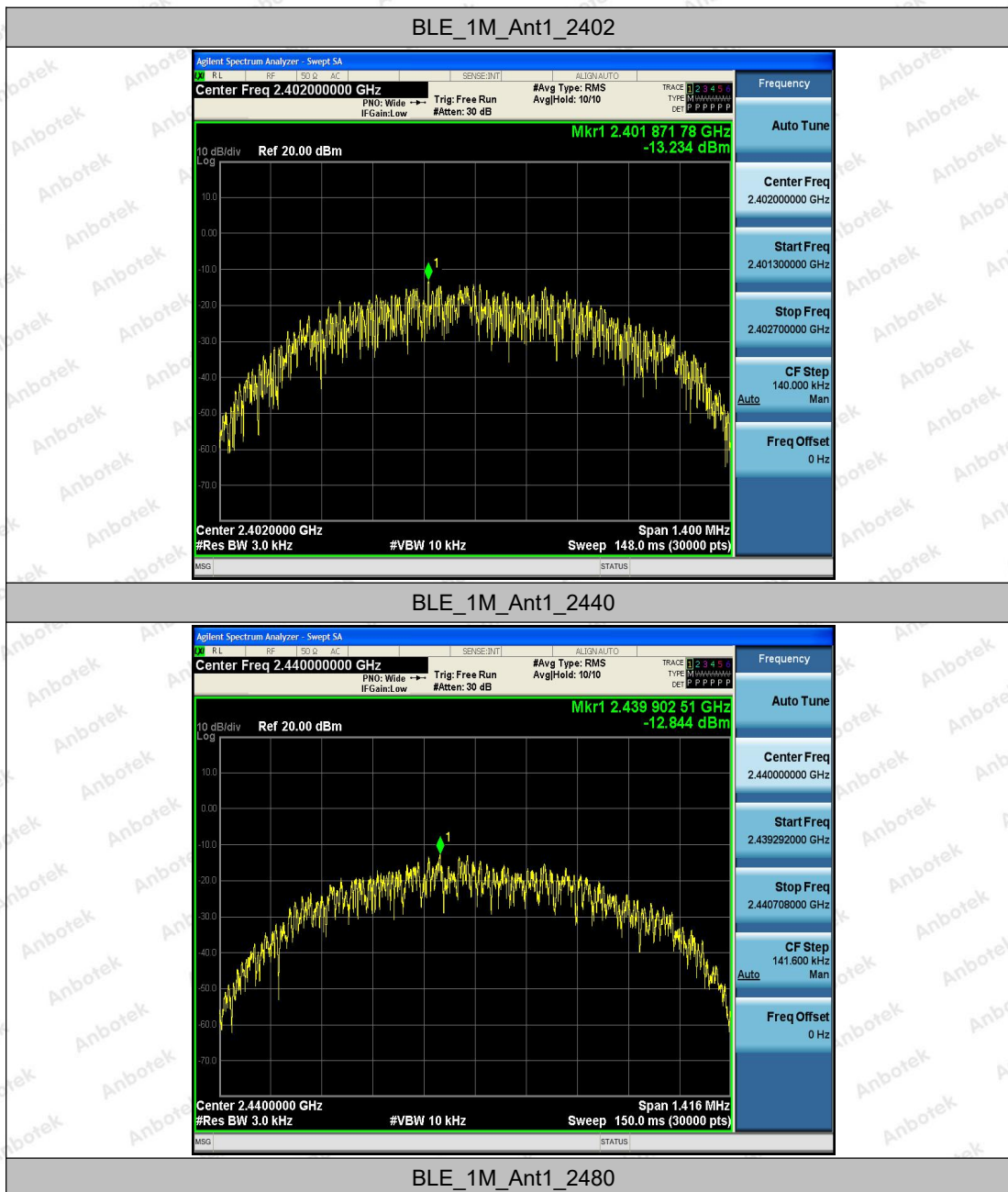
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.23	≤8	PASS
		2440	-12.84	≤8	PASS
		2480	-11.75	≤8	PASS

Test Graphs

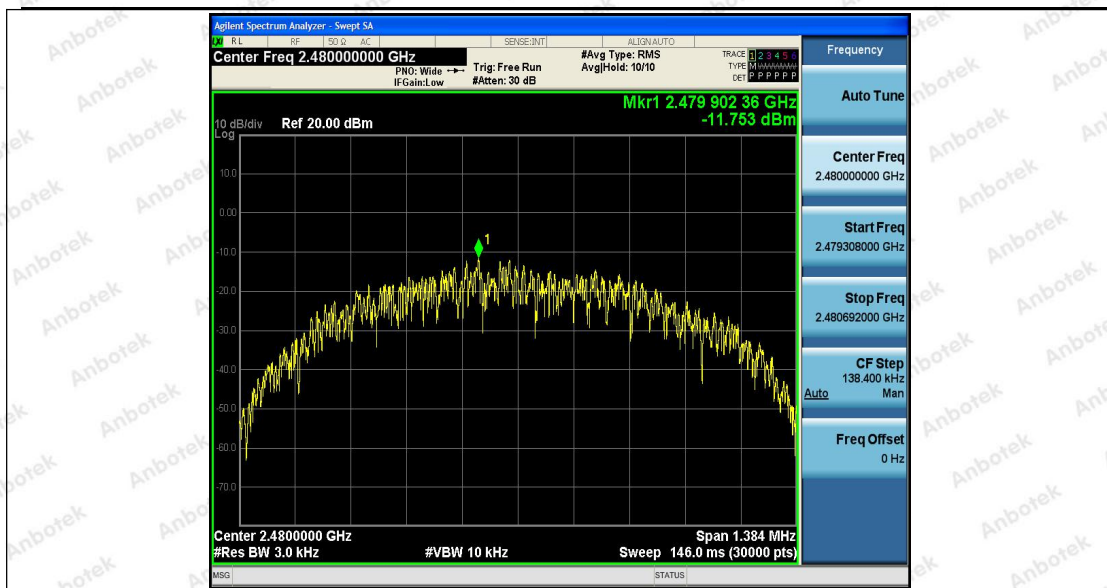


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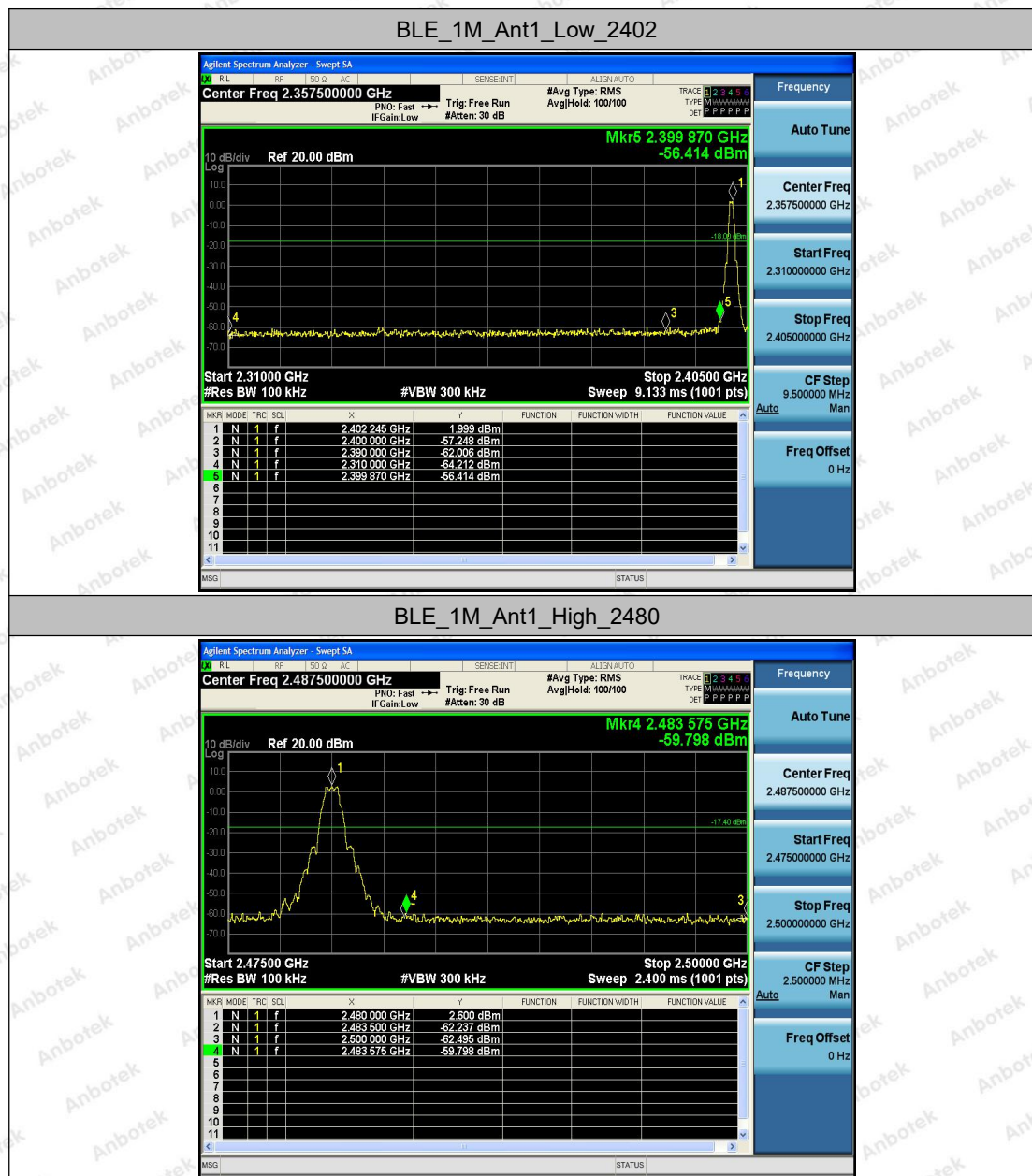
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	2.00	-56.41	≤-18	PASS
		High	2480	2.60	-59.8	≤-17.4	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

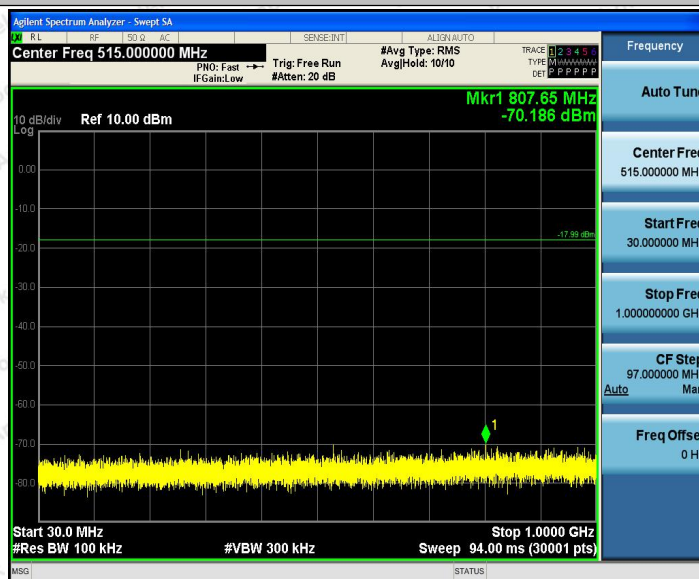
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	2.01	2.01	---	PASS
			30~1000	2.01	-70.19	≤-17.99	PASS
			1000~26500	2.01	-55.47	≤-17.99	PASS
		2440	Reference	1.53	1.53	---	PASS
			30~1000	1.53	-70.95	≤-18.48	PASS
			1000~26500	1.53	-55.68	≤-18.48	PASS
		2480	Reference	2.43	2.43	---	PASS
			30~1000	2.43	-70.17	≤-17.57	PASS
			1000~26500	2.43	-55.51	≤-17.57	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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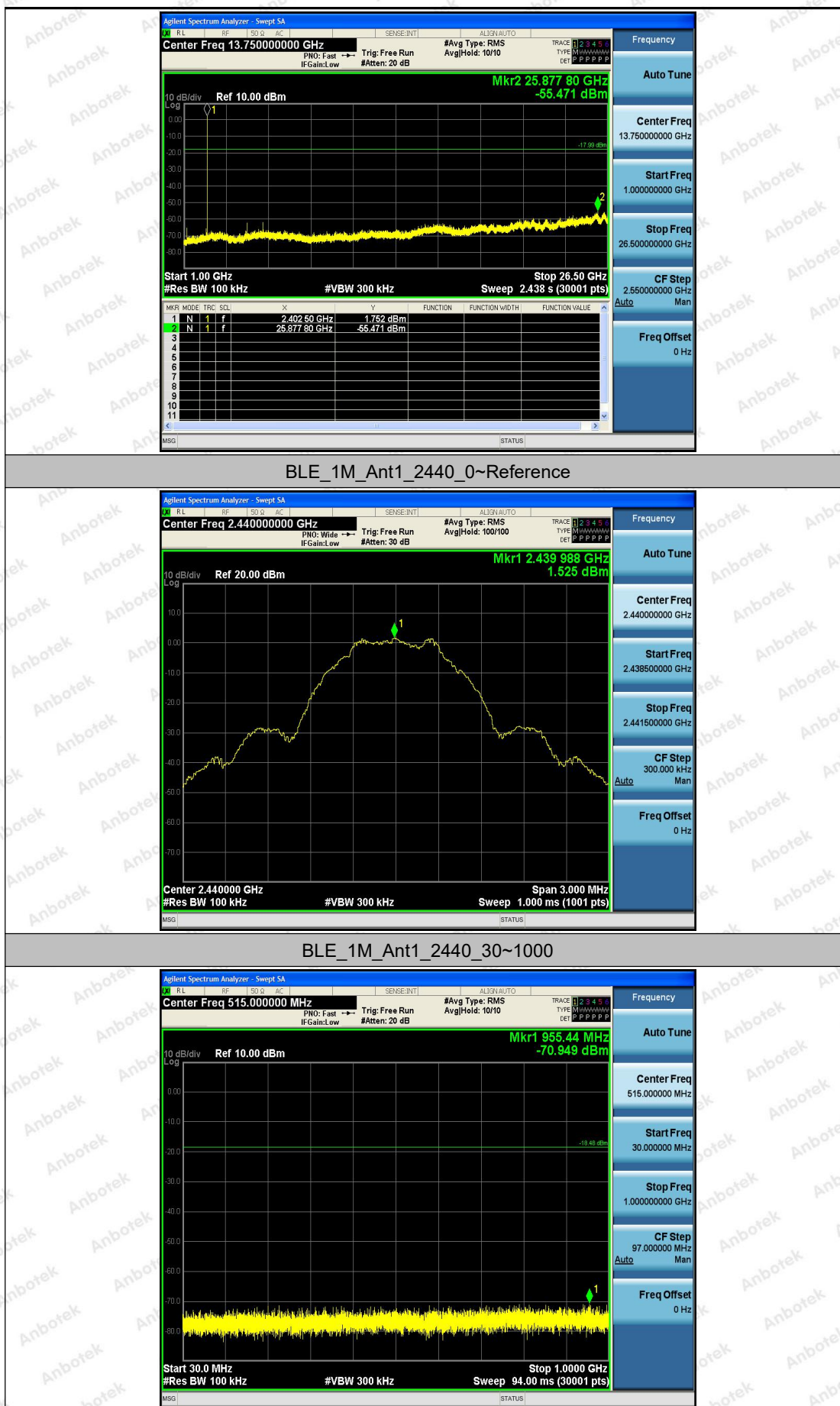
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



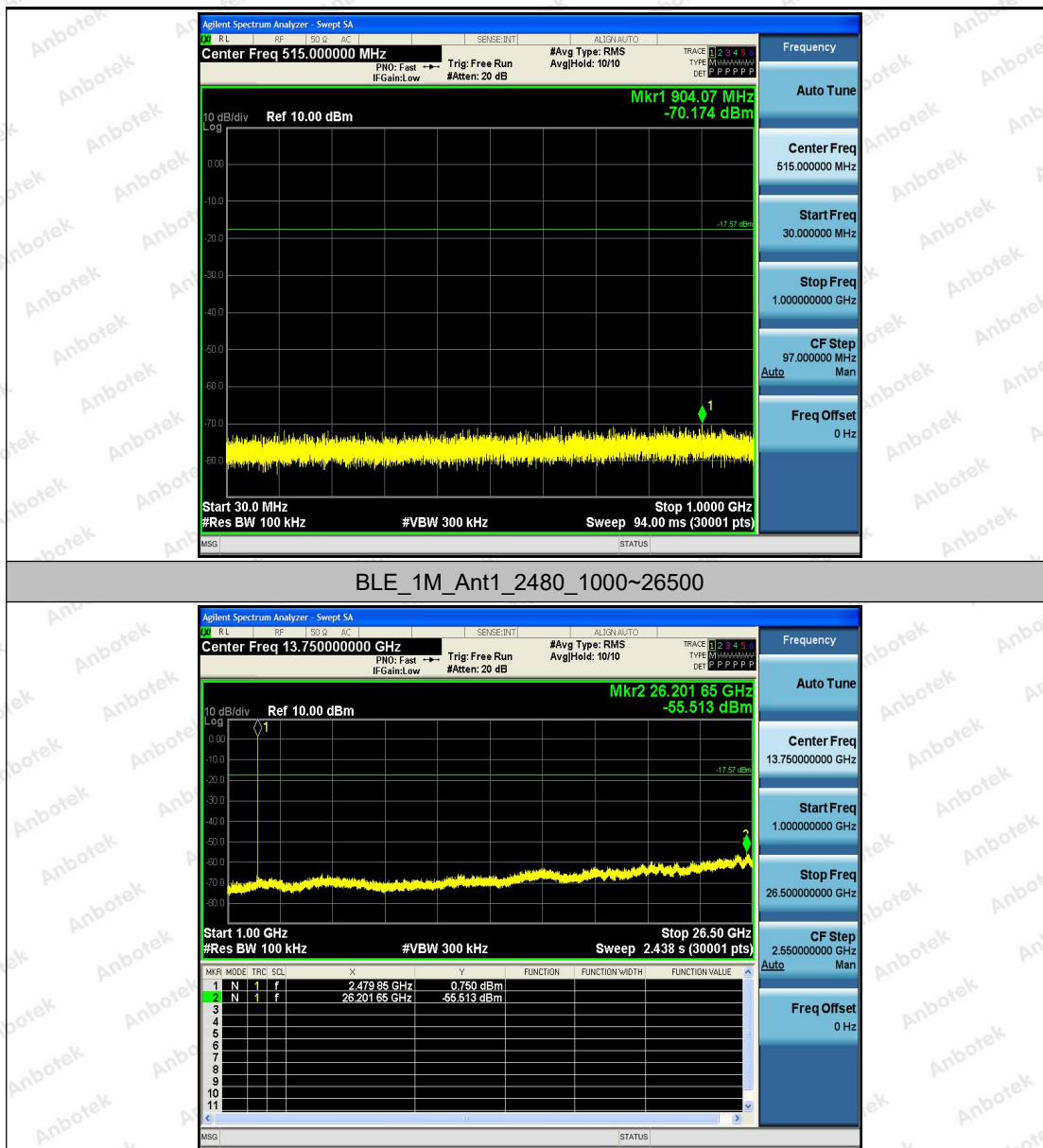
BLE_1M_Ant1_2480_30~1000

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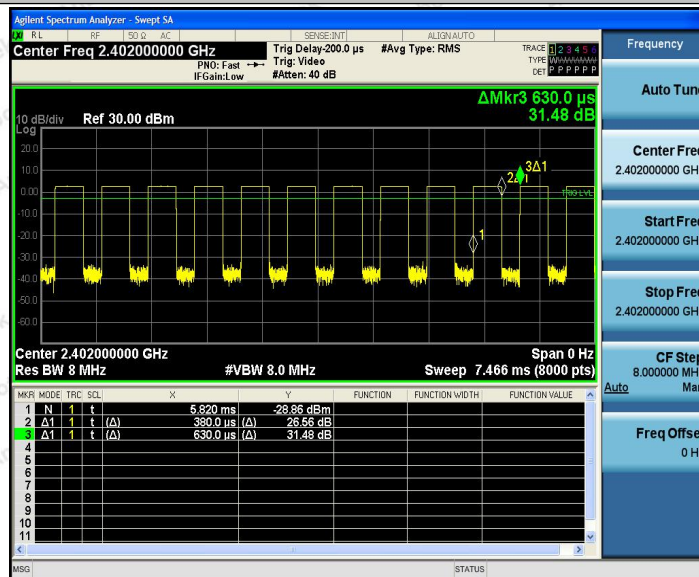
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.38	0.63	0.6032	60.32	2.20	---	PASS
		2440	0.38	0.63	0.6032	60.32	2.20	---	PASS
		2480	0.38	0.62	0.6129	61.29	2.13	---	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



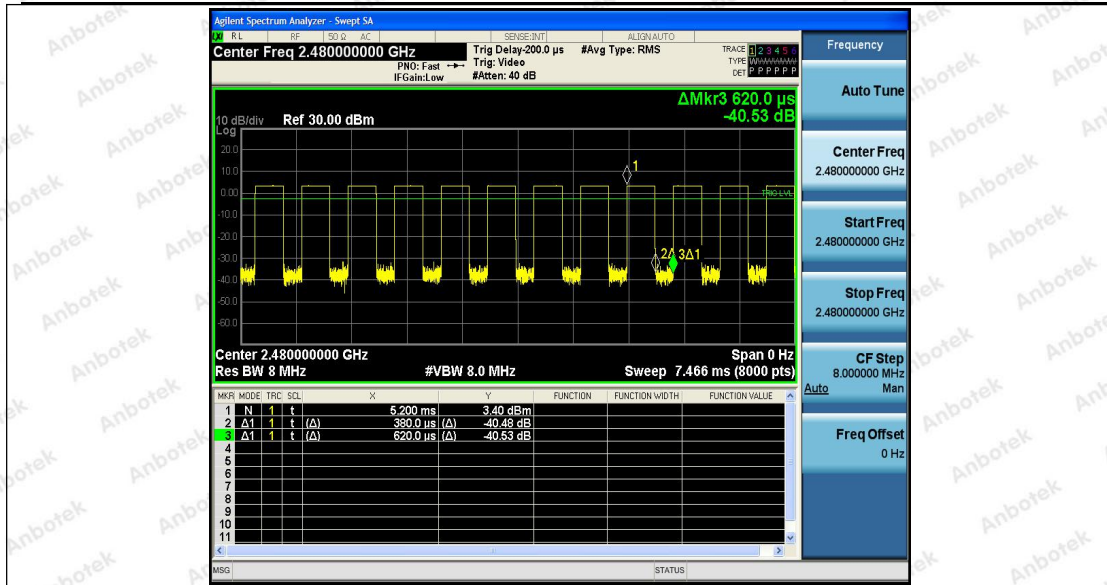
BLE_1M_Ant1_2480

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