

Appendix Test Data

Report No.:	18220WC20145002	Test Sample No.:	1-2-2
Start Test Date:	2022.7.13	Finish Test Date:	2022.7.18
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3℃	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	0.668	2401.664	2402.332	≥0.5	PASS
		2440	0.700	2439.644	2440.344	≥0.5	PASS
		2480	0.684	2479.656	2480.340	≥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	1.0317	2401.492	2402.524	---	PASS
		2440	1.0313	2439.489	2440.520	---	PASS
		2480	1.0300	2479.492	2480.522	---	PASS

Test Graphs



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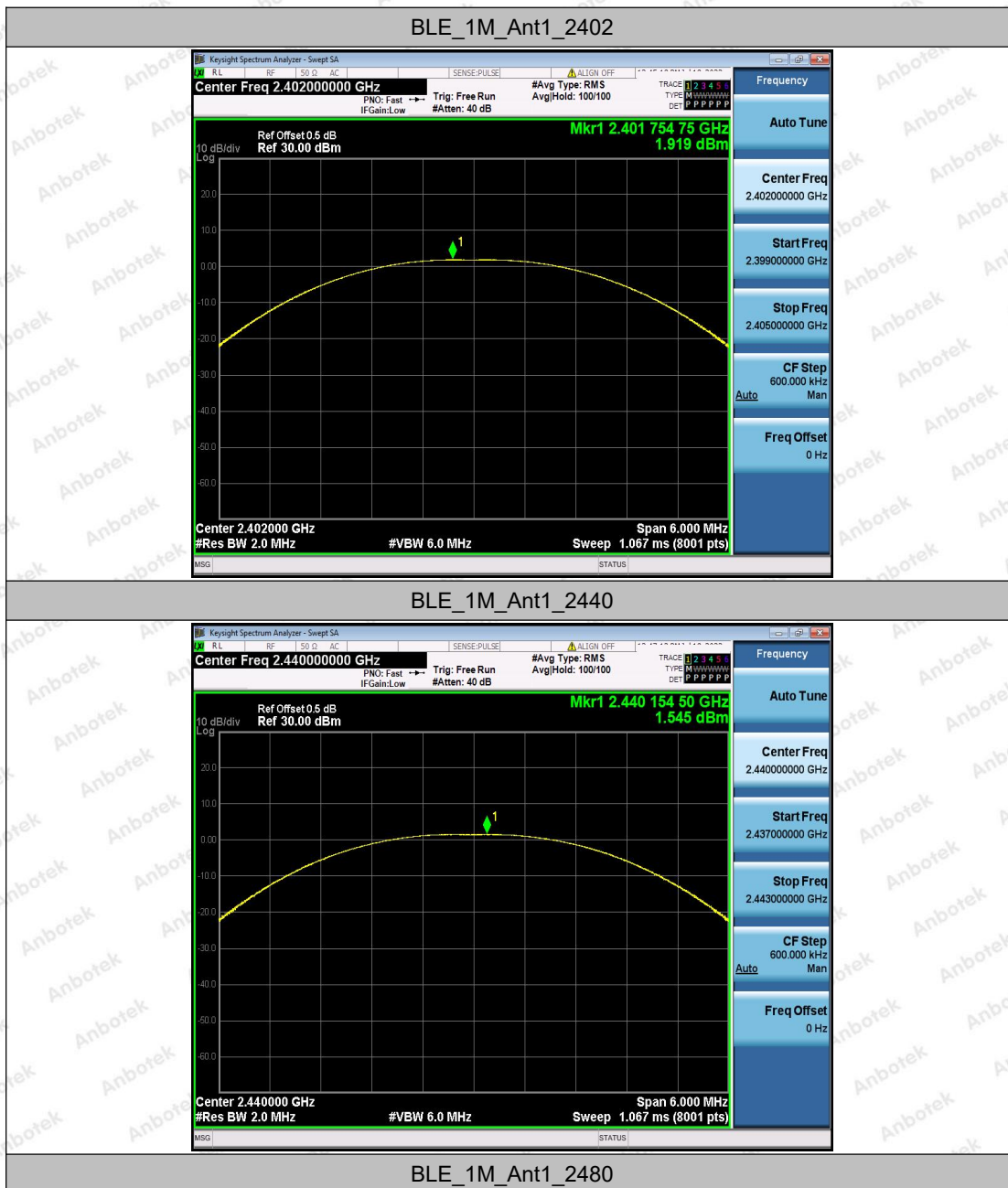
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.92	≤30	PASS
		2440	1.55	≤30	PASS
		2480	0.82	≤30	PASS

Test Graphs



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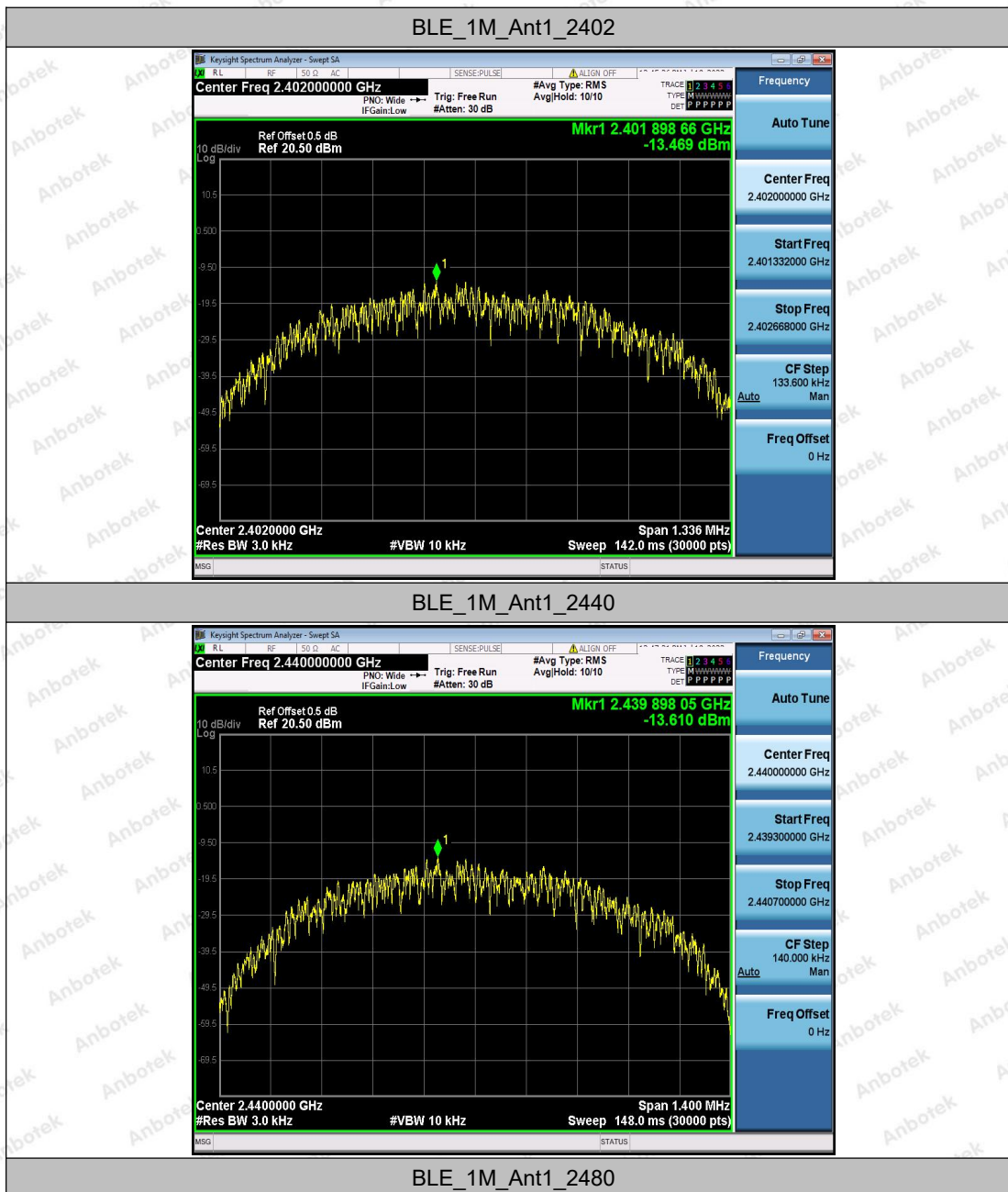
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.47	≤8	PASS
		2440	-13.61	≤8	PASS
		2480	-14.43	≤8	PASS

Test Graphs



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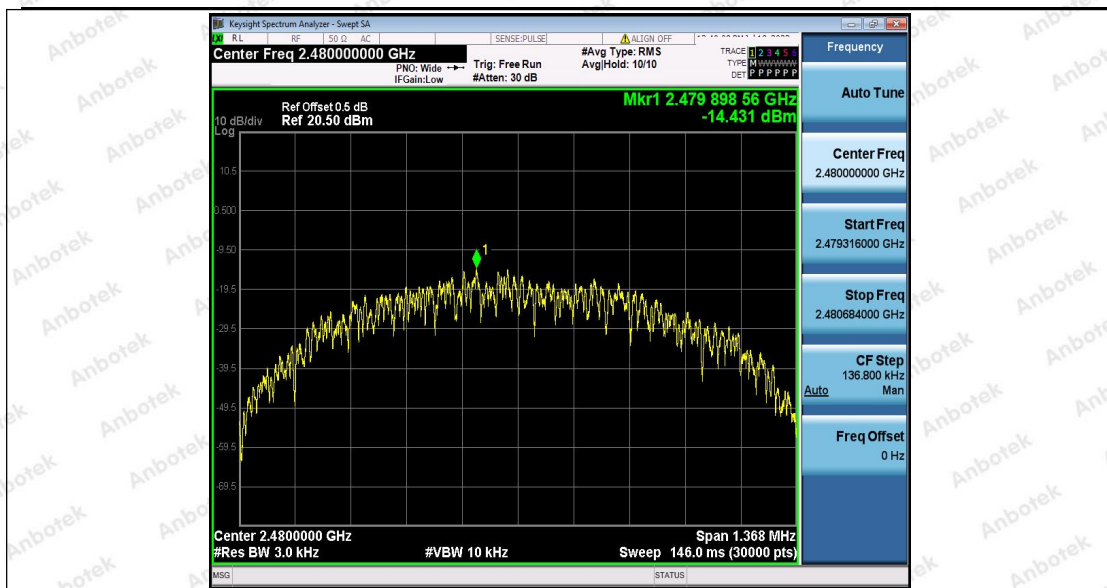
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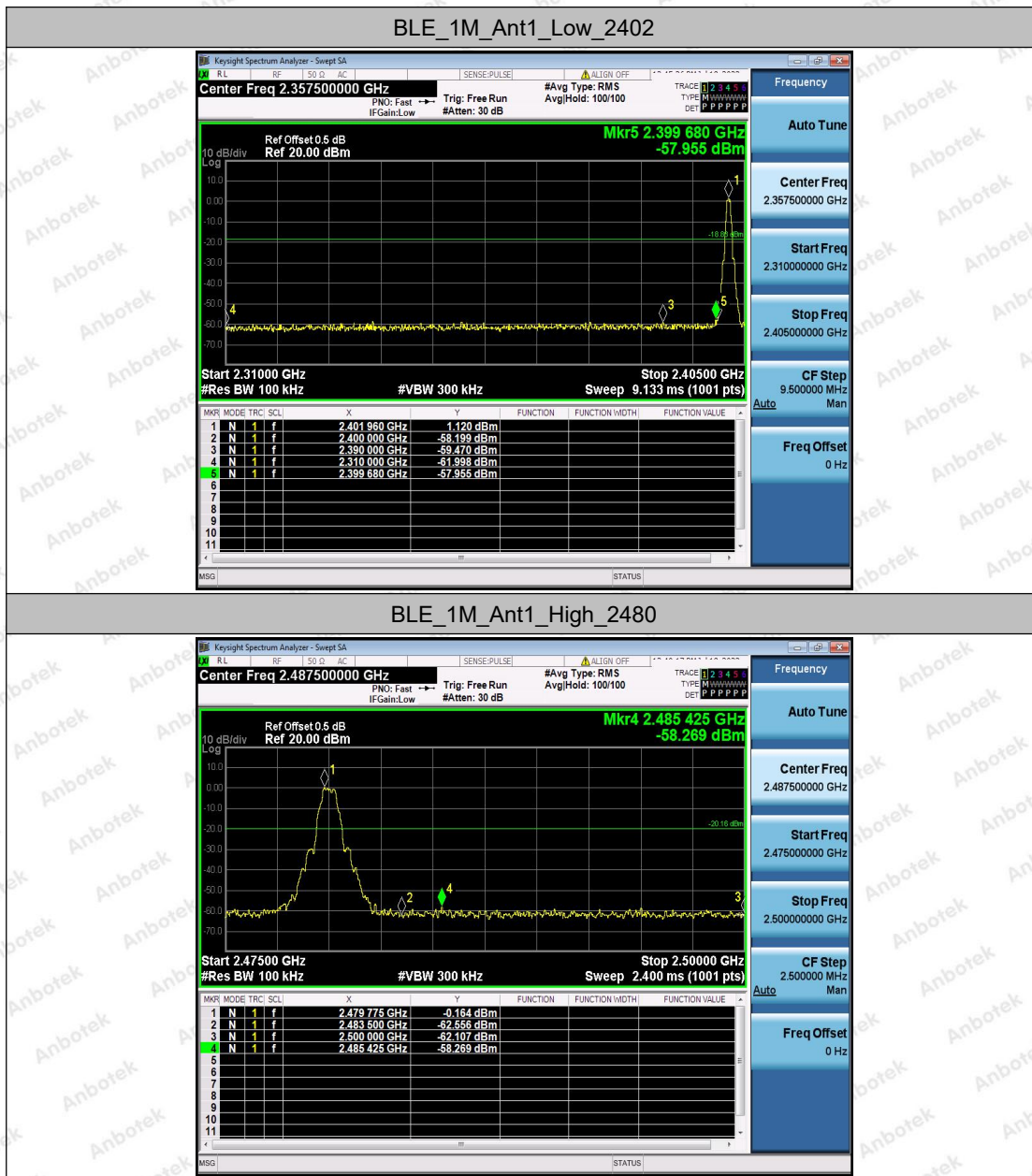
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.12	-57.96	≤ -18.88	PASS
		High	2480	-0.16	-58.27	≤ -20.16	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

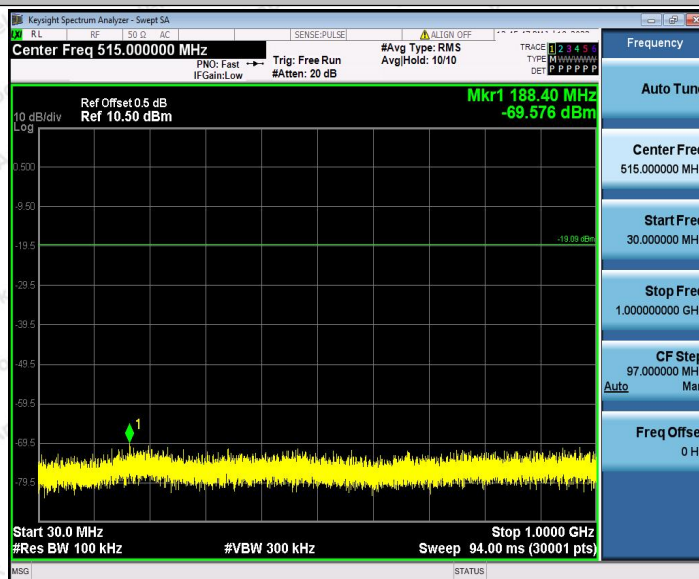
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	0.91	0.91	---	PASS
			30~1000	0.91	-69.58	≤-19.09	PASS
			1000~265 00	0.91	-54.22	≤-19.09	PASS
		2440	Reference	0.59	0.59	---	PASS
			30~1000	0.59	-68.63	≤-19.41	PASS
			1000~265 00	0.59	-53.77	≤-19.41	PASS
		2480	Reference	-0.18	-0.18	---	PASS
			30~1000	-0.18	-70.2	≤-20.18	PASS
			1000~265 00	-0.18	-54.79	≤-20.18	PASS

Test Graphs

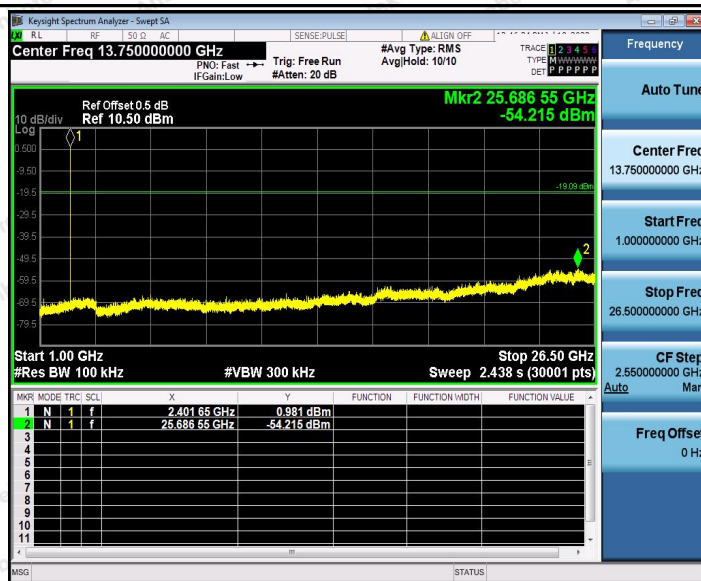
BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



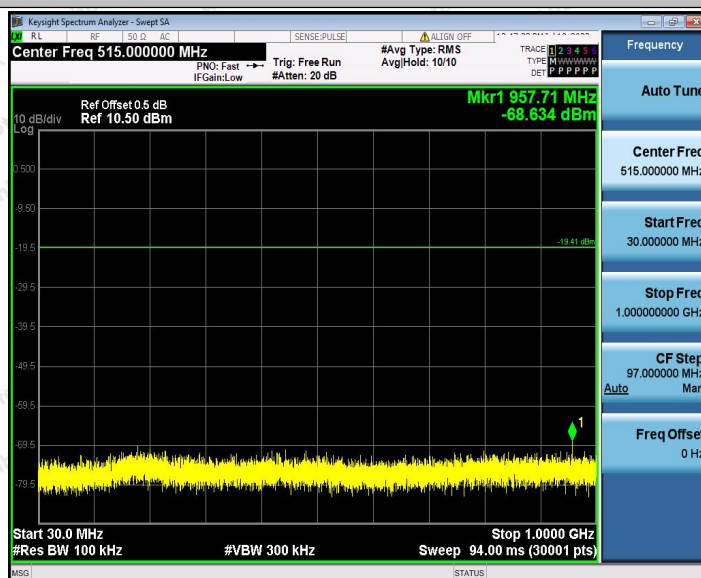
BLE_1M_Ant1_2402_1000~26500



BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



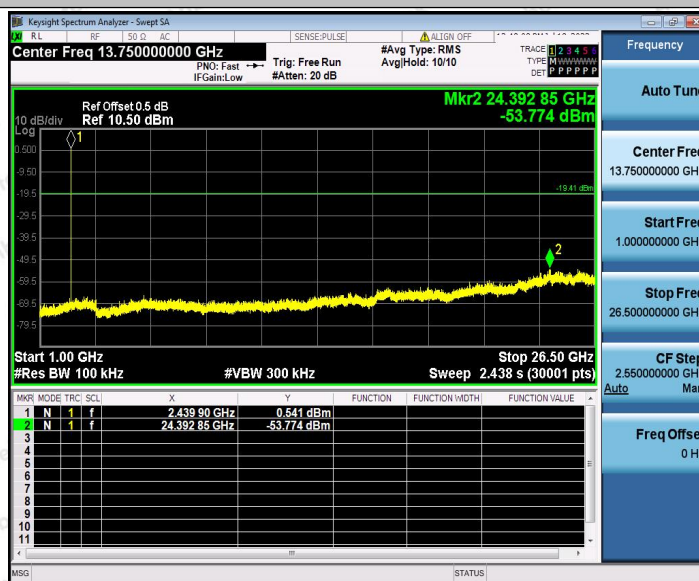
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



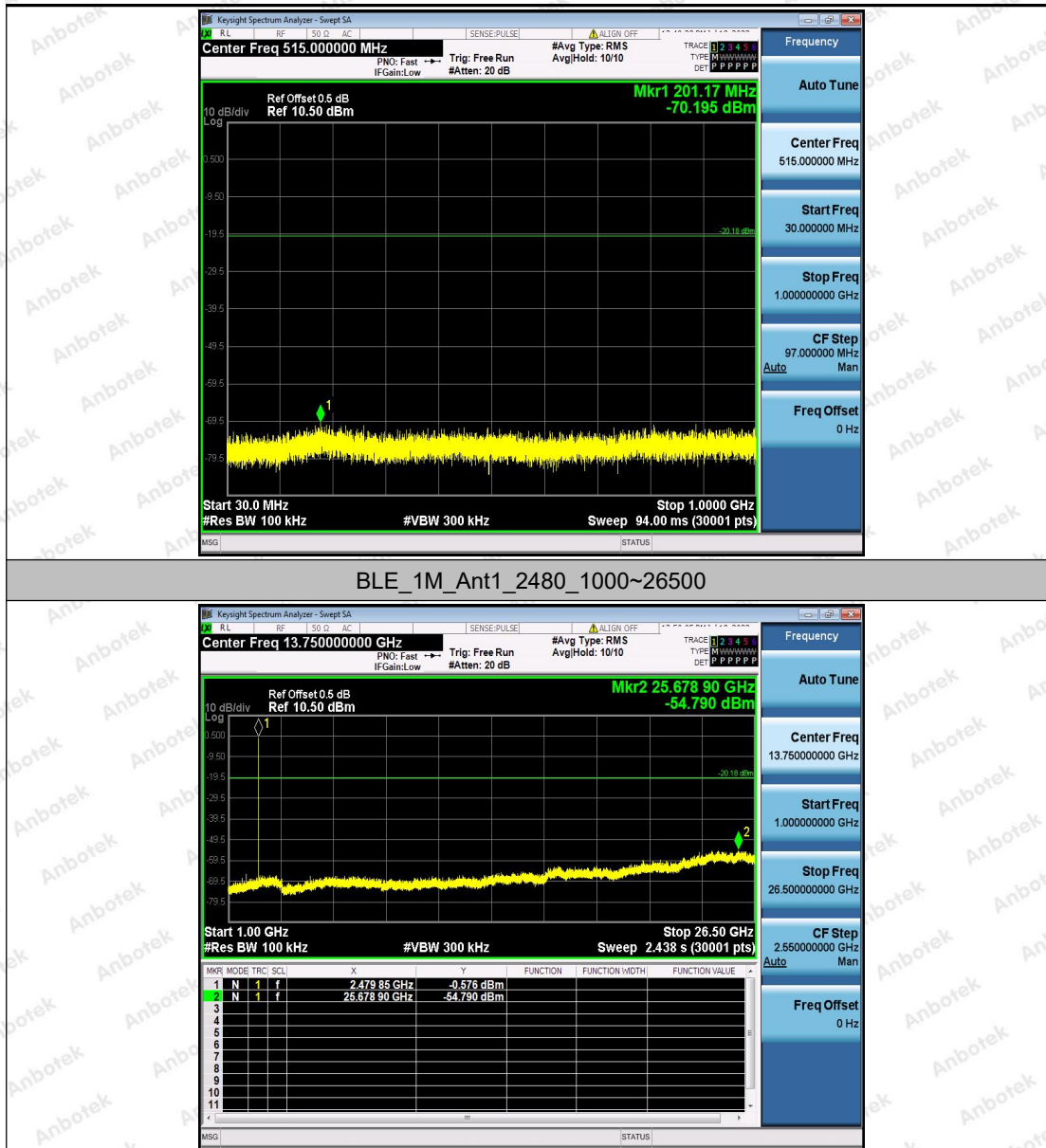
BLE_1M_Ant1_2480_30~1000

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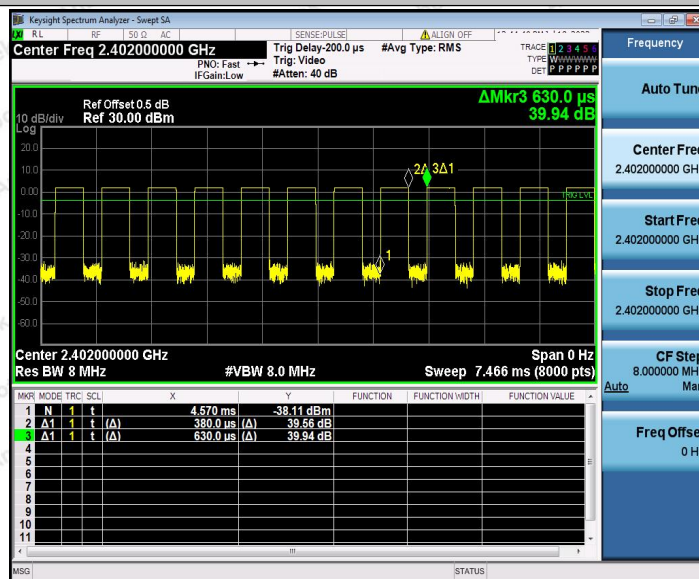
Appendix G: Duty Cycle

Test Result

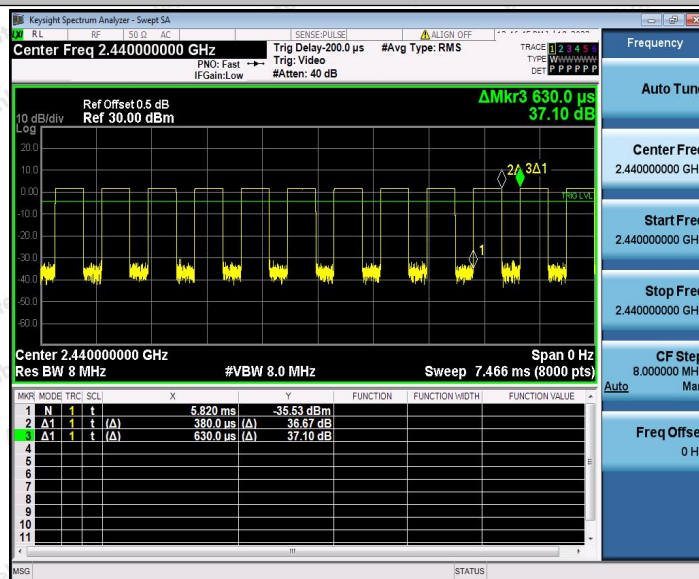
TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.38	0.63	0.603 2	60.32	2.20	---	PASS
		2440	0.38	0.63	0.603 2	60.32	2.20	---	PASS
		2480	0.38	0.63	0.603 2	60.32	2.20	---	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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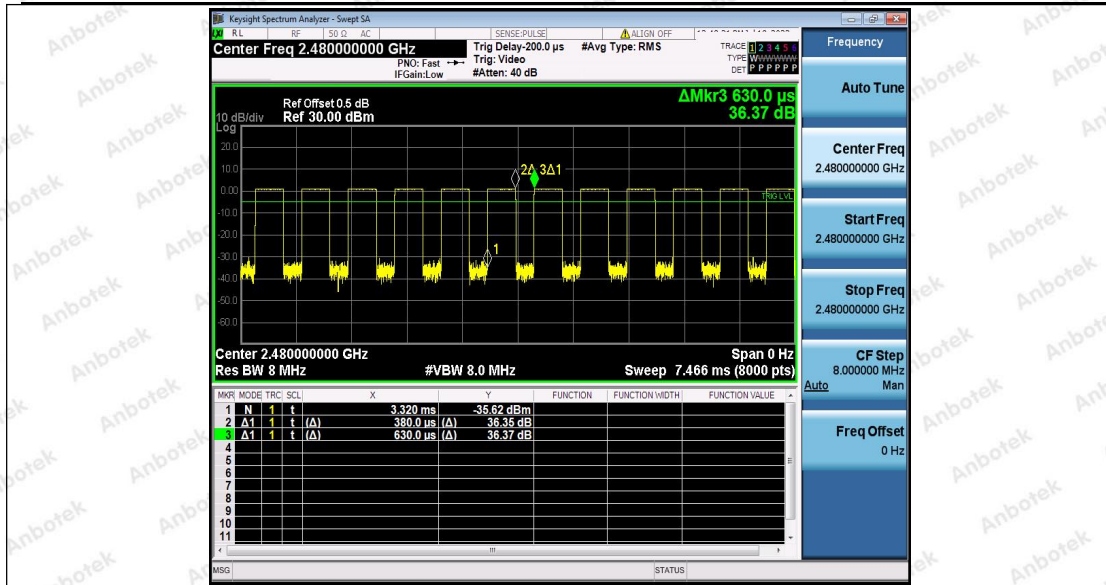
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