

Appendix Test Data

Report No.:	18220WC20028501	Test Sample No.:	1-2-2
Start Test Date:	2022.2.22	Finish Test Date:	2022.2.23
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	0.688	2401.648	2402.336	≥0.5	PASS
		2440	0.668	2439.664	2440.332	≥0.5	PASS
		2480	0.700	2479.648	2480.348	≥0.5	PASS

Test Graphs



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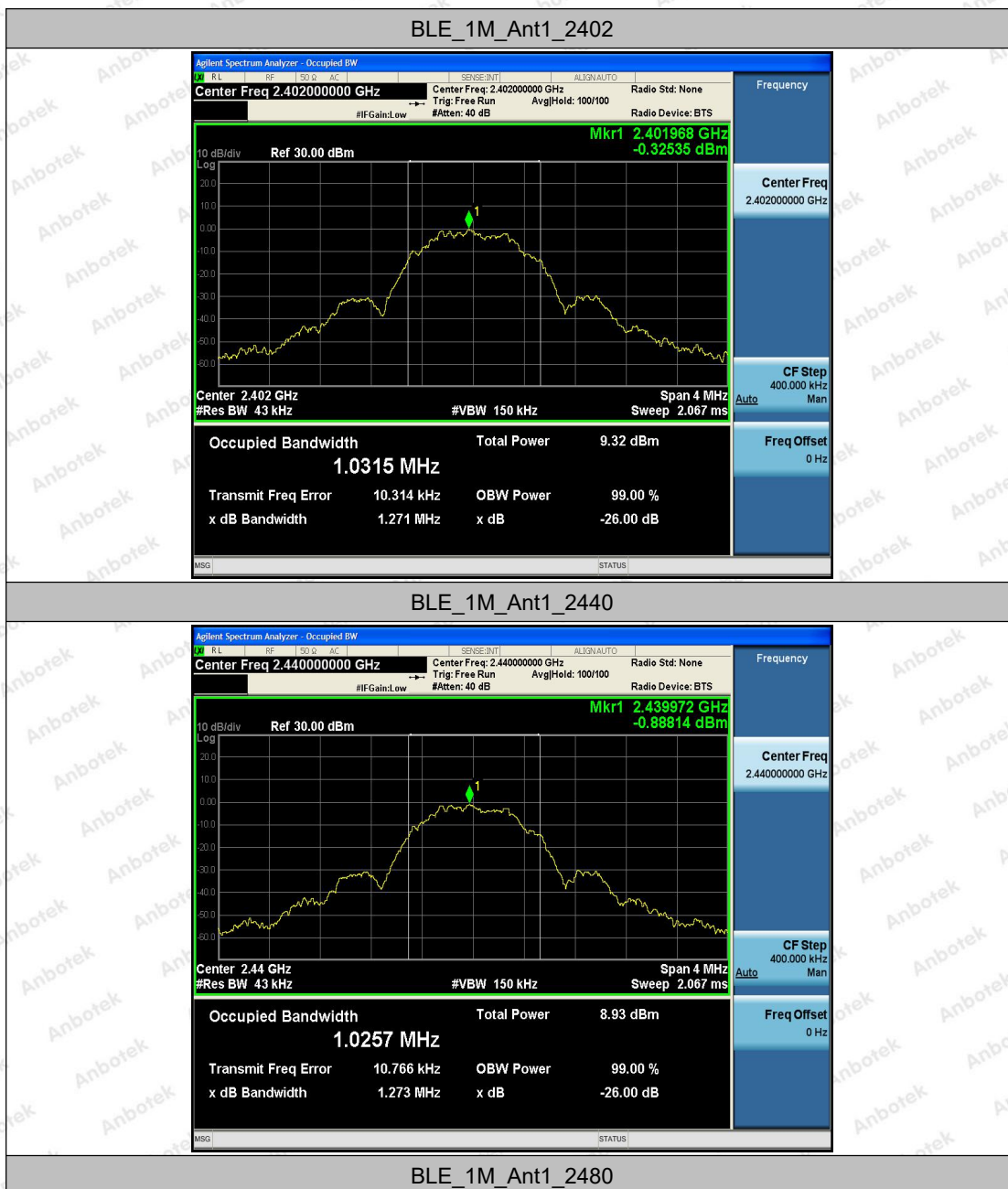
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0315	2401.495	2402.526	---	PASS
		2440	1.0257	2439.498	2440.524	---	PASS
		2480	1.0205	2479.497	2480.518	---	PASS

Test Graphs



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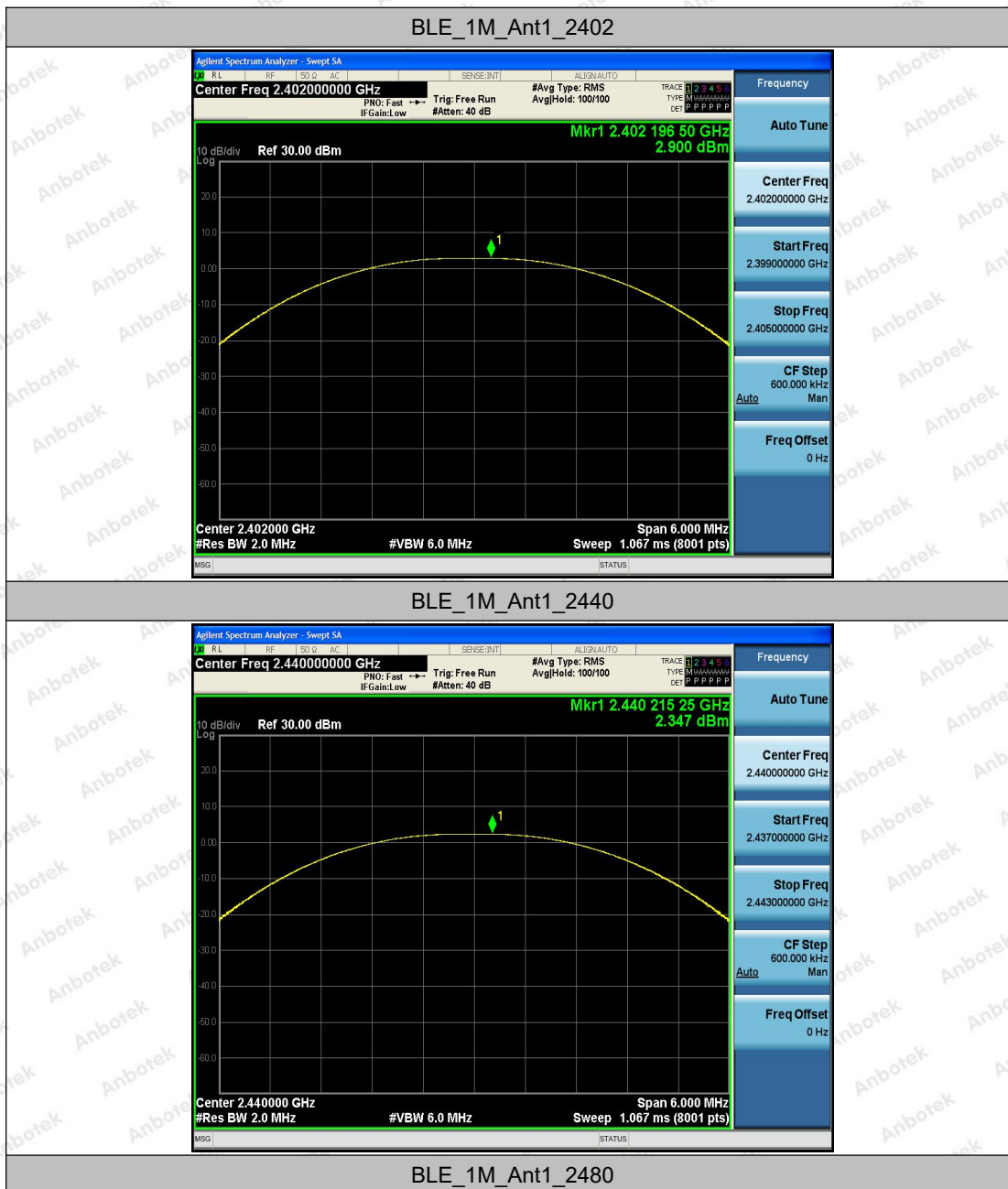
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.9	≤30	PASS
		2440	2.35	≤30	PASS
		2480	3.23	≤30	PASS

Test Graphs

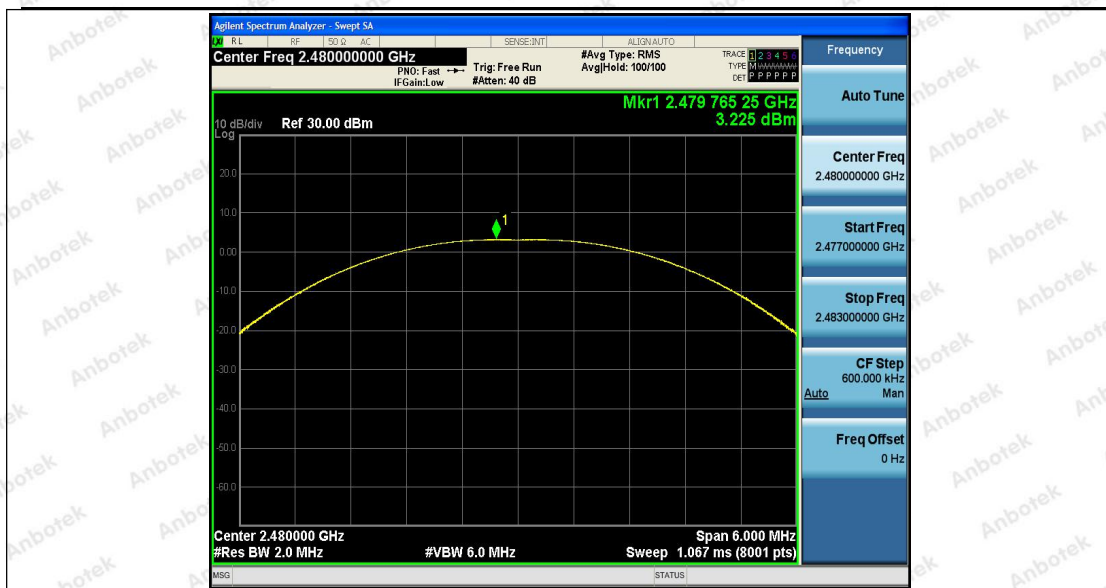


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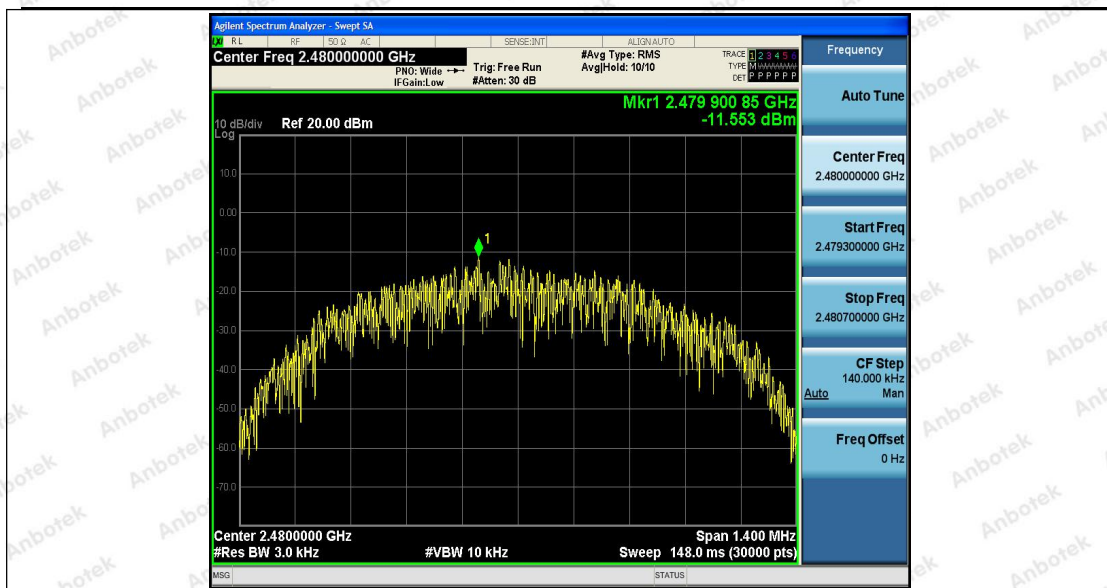
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.39	≤8	PASS
		2440	-12.85	≤8	PASS
		2480	-11.55	≤8	PASS



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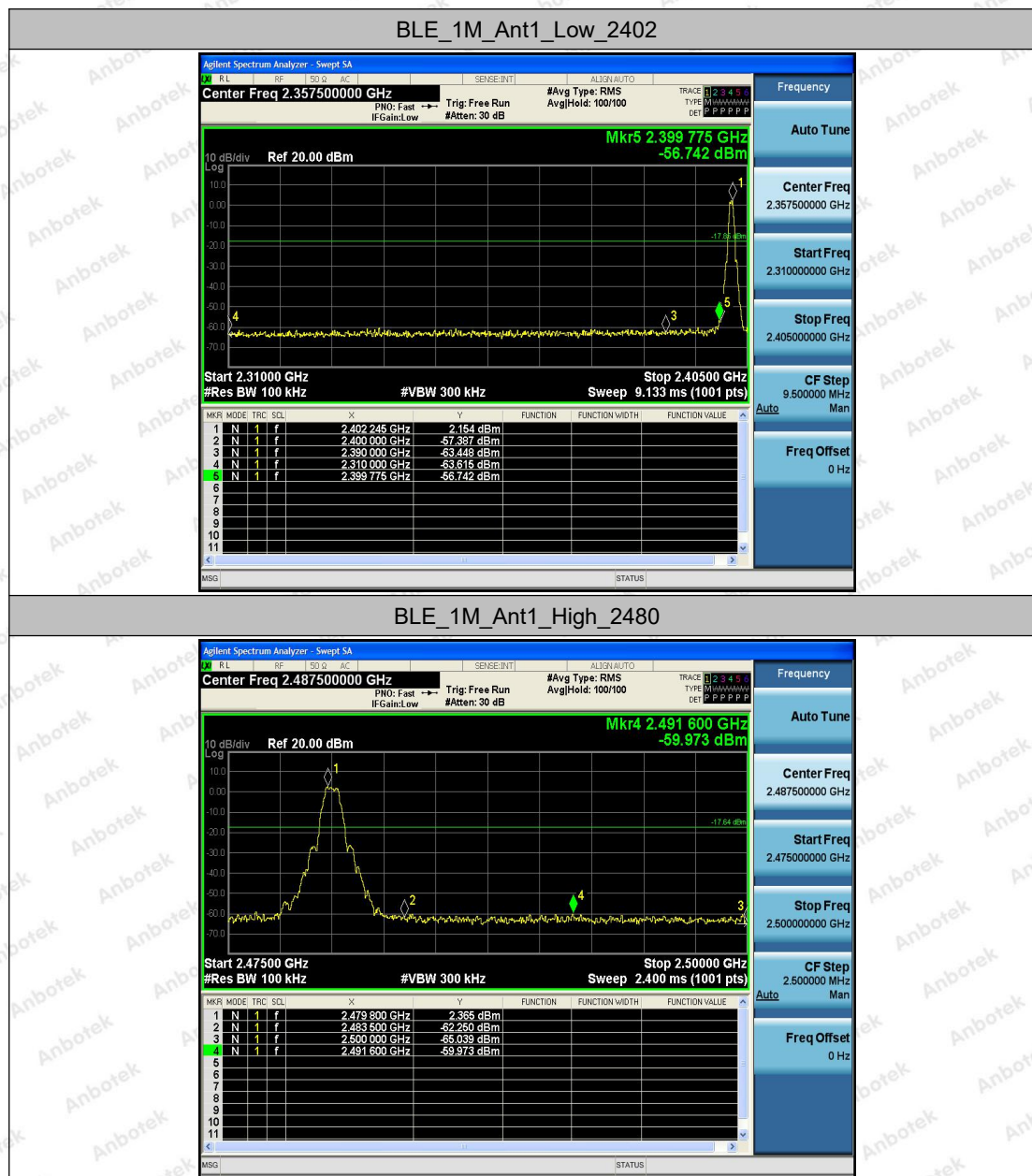
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	2.15	-56.74	≤-17.85	PASS
		High	2480	2.37	-59.97	≤-17.64	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

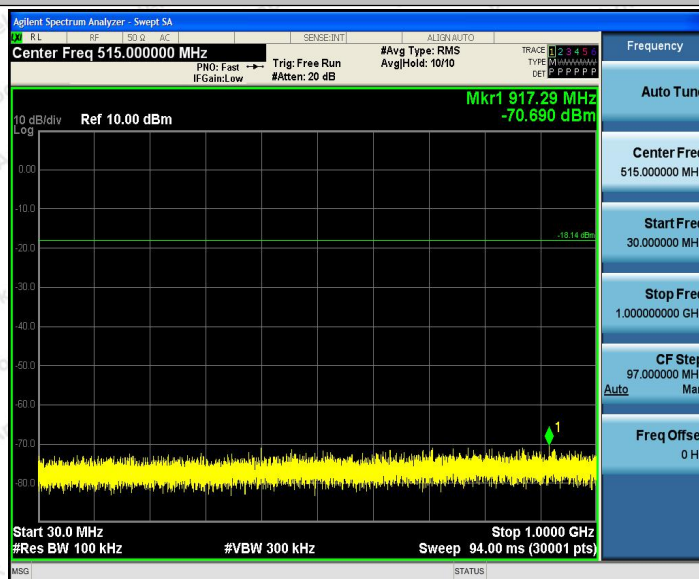
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	1.86	1.86	---	PASS
			30~1000	1.86	-70.69	≤-18.14	PASS
			1000~265 00	1.86	-56.12	≤-18.14	PASS
		2440	Reference	1.46	1.46	---	PASS
			30~1000	1.46	-69.27	≤-18.55	PASS
			1000~265 00	1.46	-55.93	≤-18.55	PASS
		2480	Reference	2.63	2.63	---	PASS
			30~1000	2.63	-70.99	≤-17.37	PASS
			1000~265 00	2.63	-55.01	≤-17.37	PASS

Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



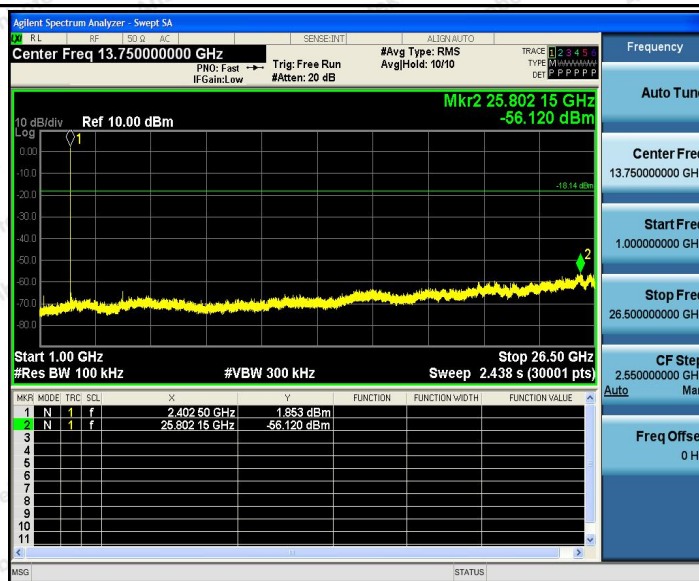
BLE_1M_Ant1_2402_1000~26500

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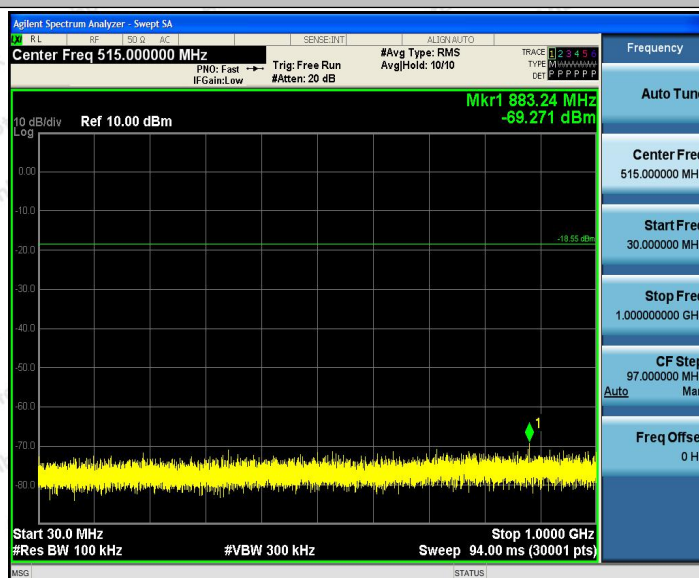
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



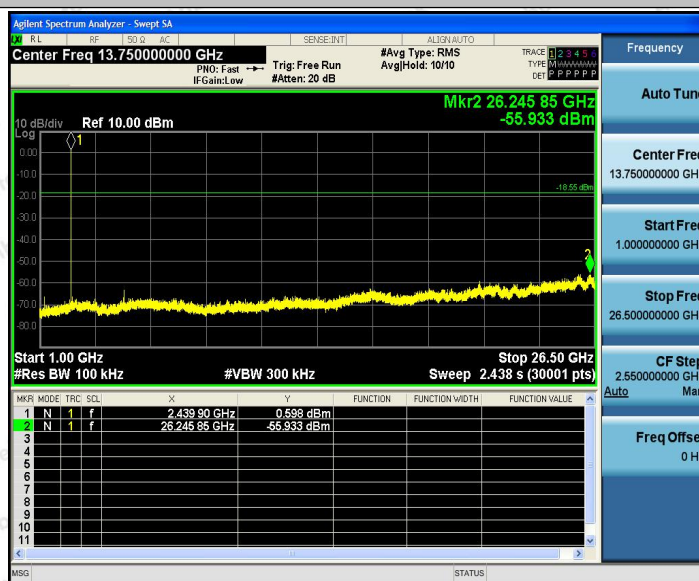
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



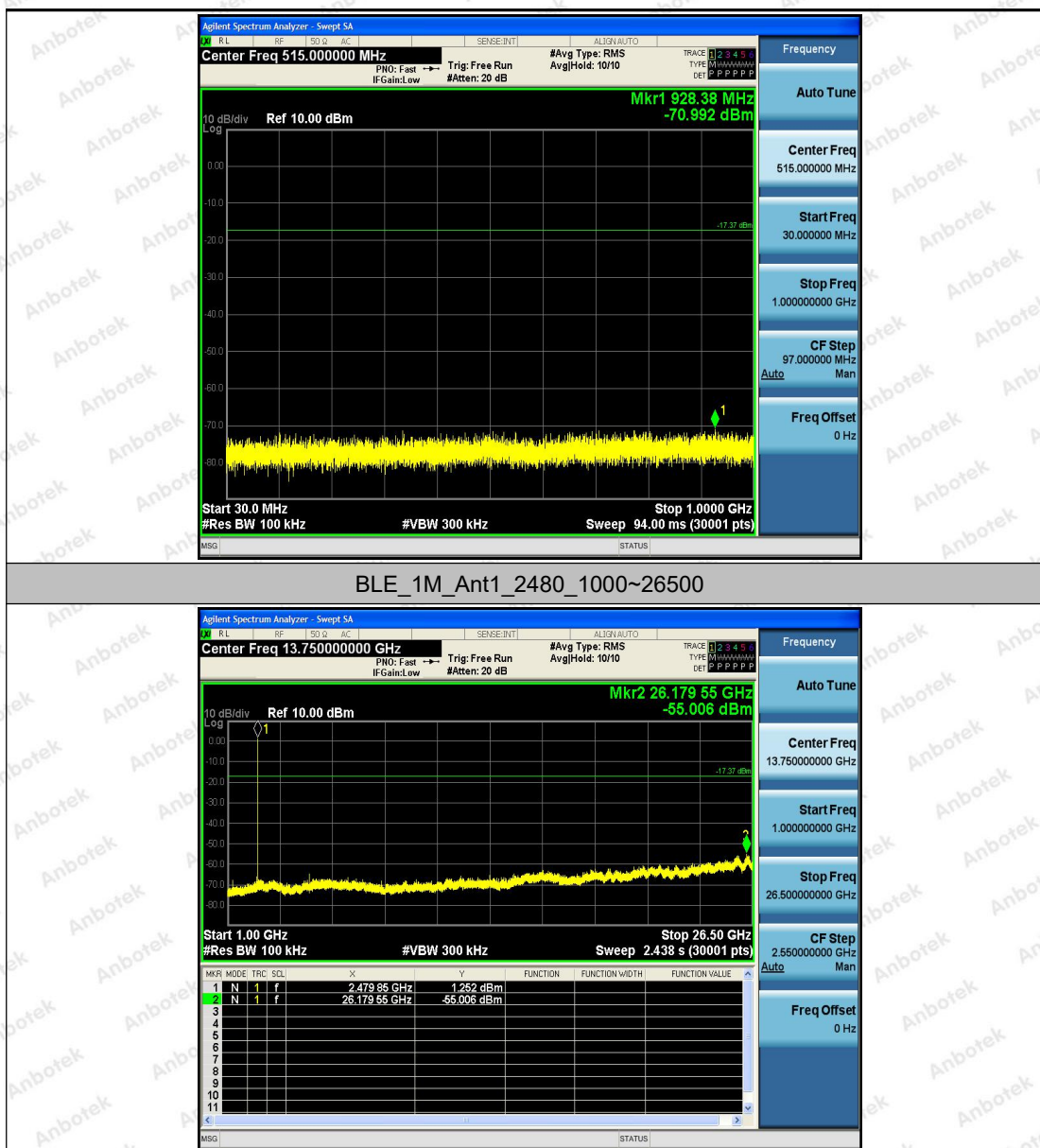
BLE_1M_Ant1_2480_30~1000

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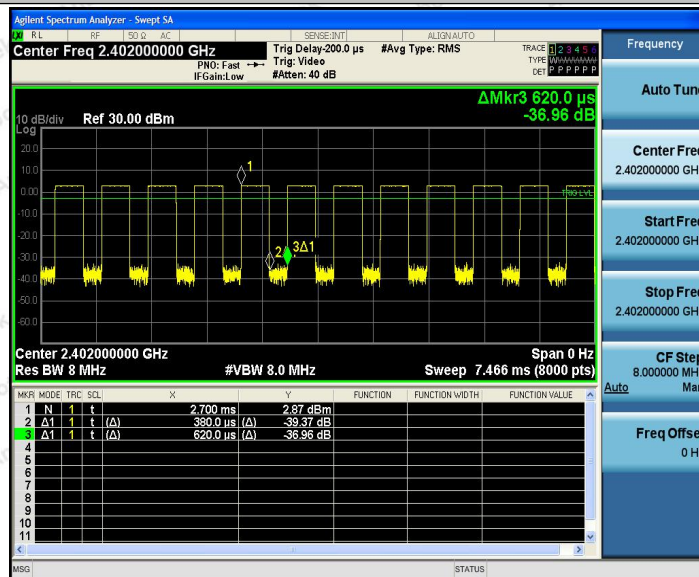
Appendix G: Duty Cycle

Test Result

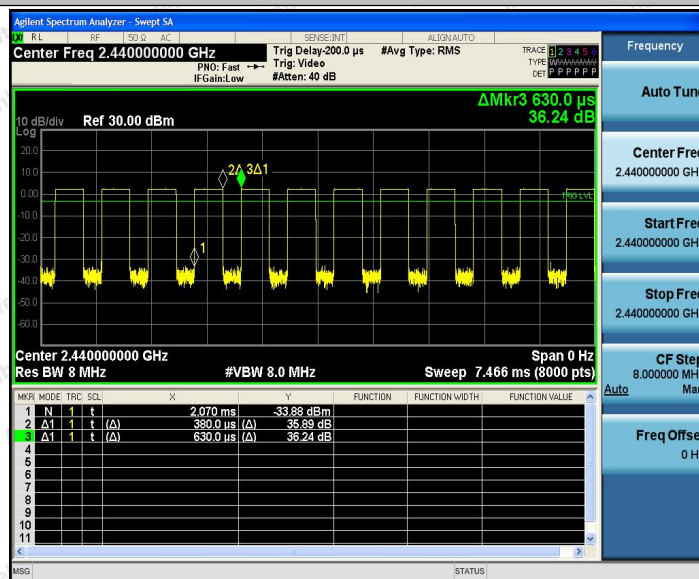
TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.38	0.62	0.612 9	61.29	2.13	---	PASS
		2440	0.38	0.63	0.603 2	60.32	2.20	---	PASS
		2480	0.38	0.62	0.612 9	61.29	2.13	---	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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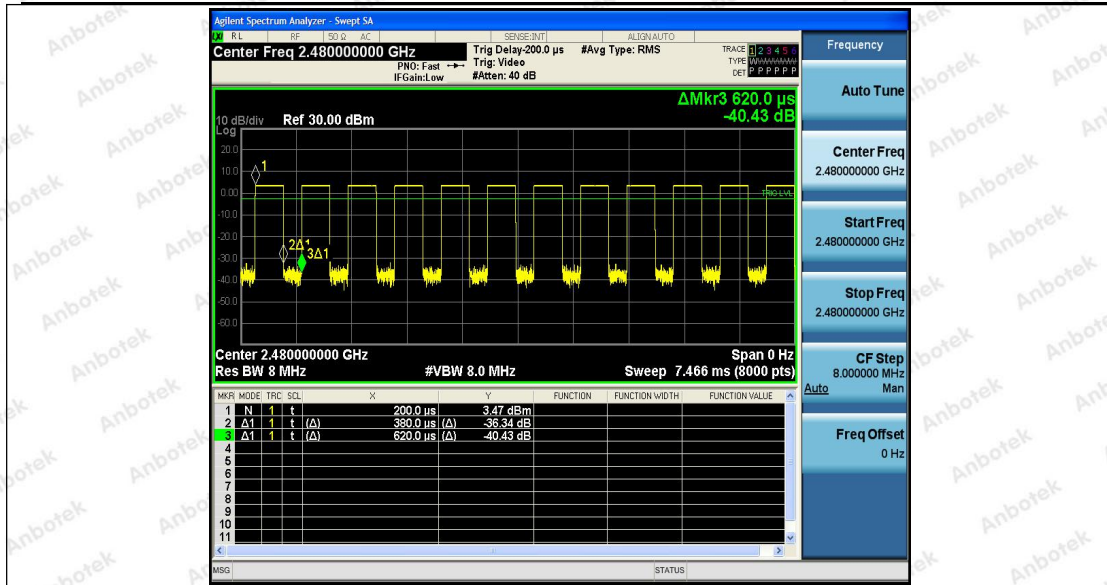
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