

Appendix Test Data

Report No.:	18220WC20039802	Test Sample No.:	1-2-2
Start Test Date:	2022.3.1	Finish Test Date:	2022.3.7
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	0.664	2401.672	2402.336	≥0.5	PASS
		2440	0.688	2439.648	2440.336	≥0.5	PASS
		2480	0.688	2479.648	2480.336	≥0.5	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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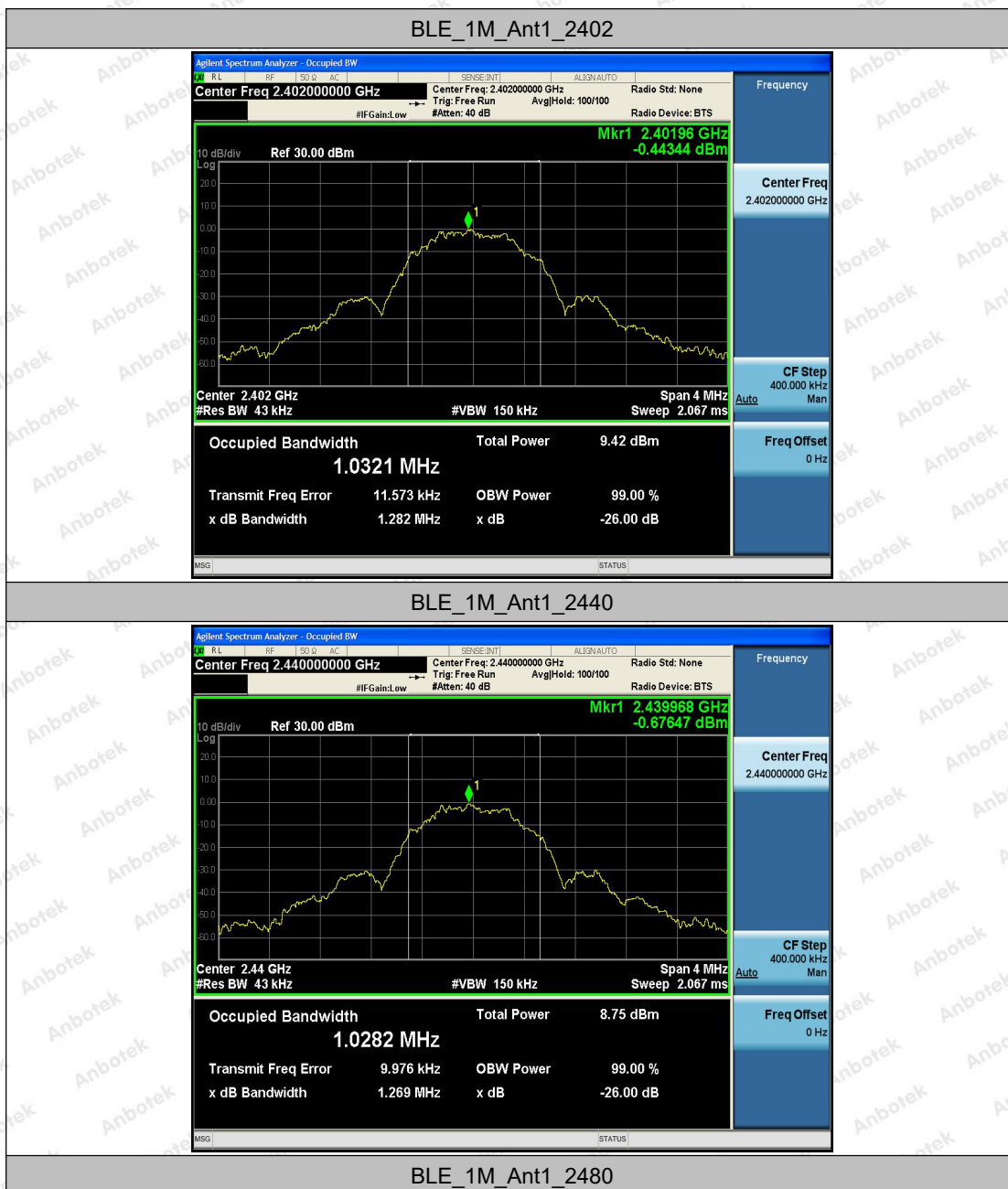
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0321	2401.496	2402.528	---	PASS
		2440	1.0282	2439.496	2440.524	---	PASS
		2480	1.0266	2479.498	2480.524	---	PASS

Test Graphs



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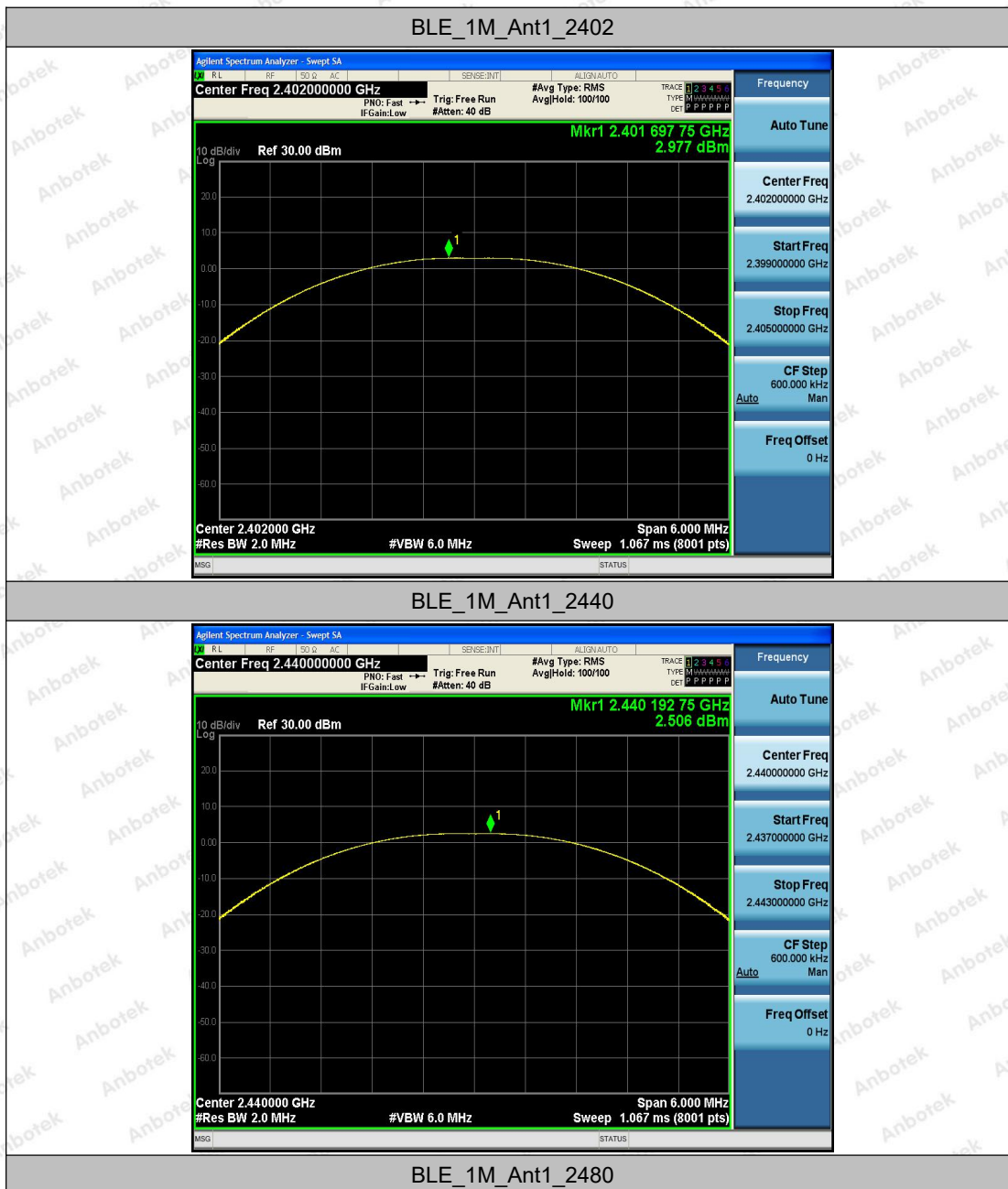
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.98	≤30	PASS
		2440	2.51	≤30	PASS
		2480	3.44	≤30	PASS

Test Graphs

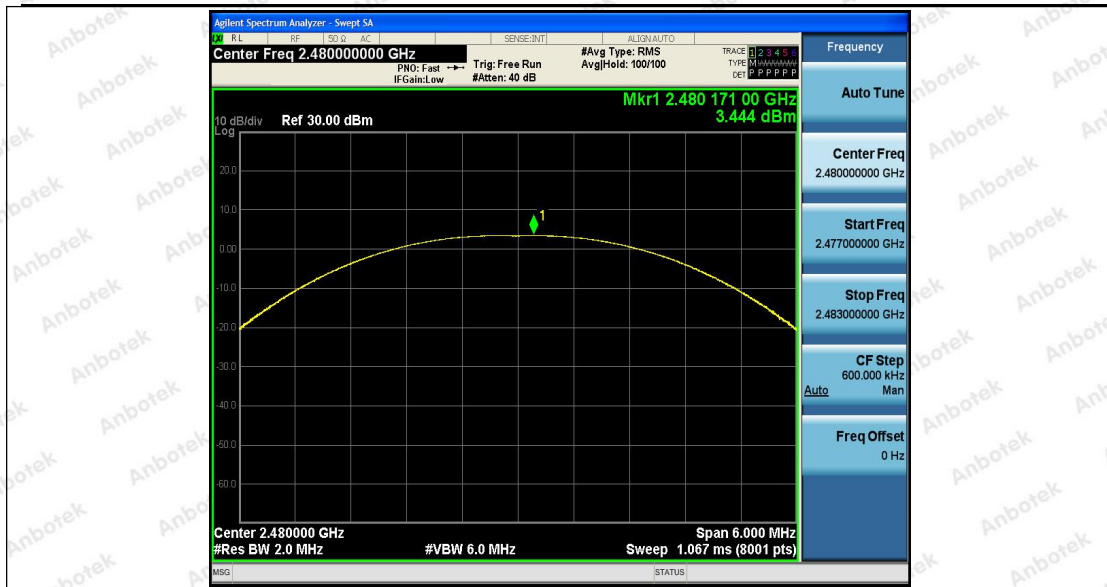


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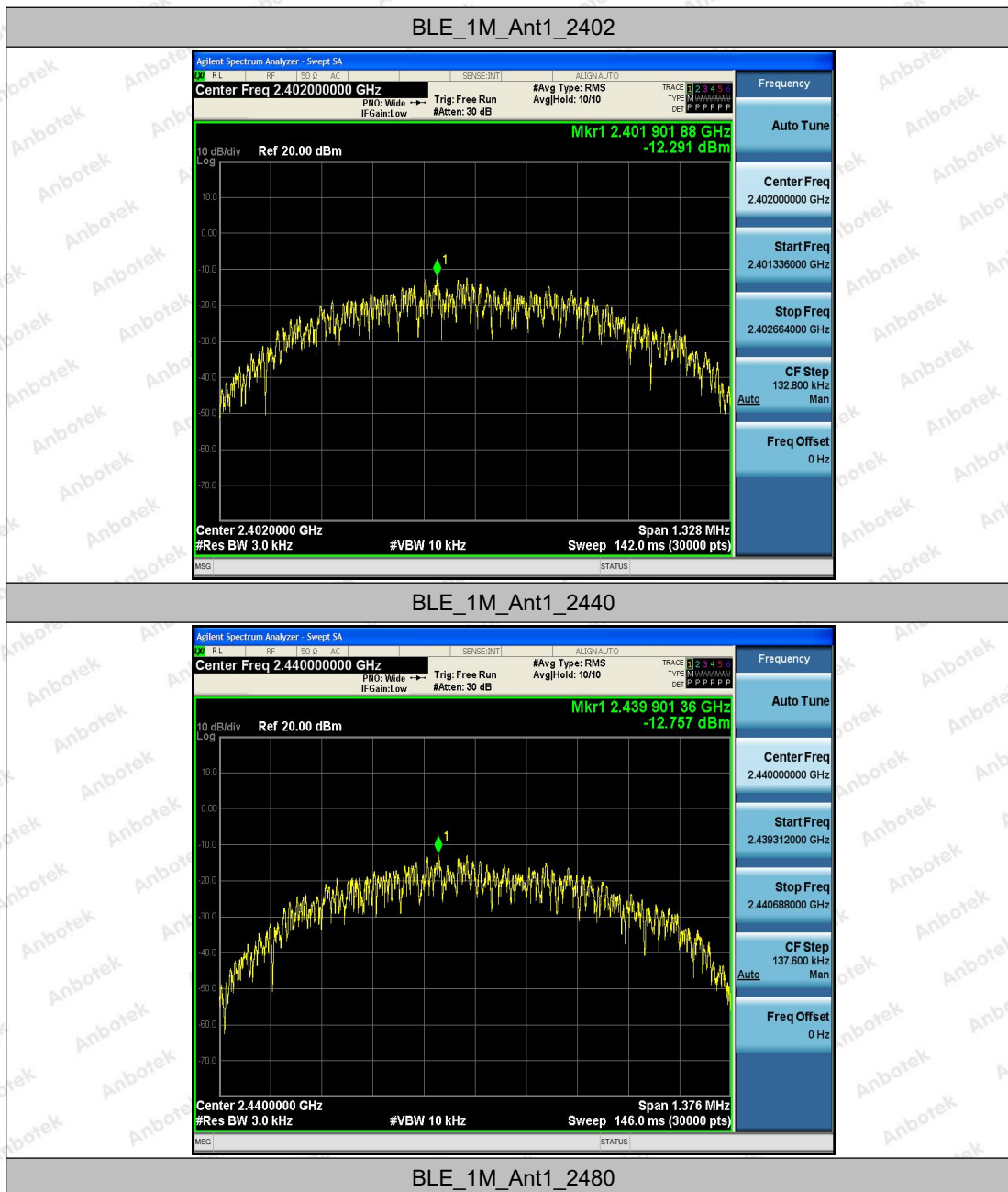
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.29	≤8	PASS
		2440	-12.76	≤8	PASS
		2480	-11.79	≤8	PASS

Test Graphs

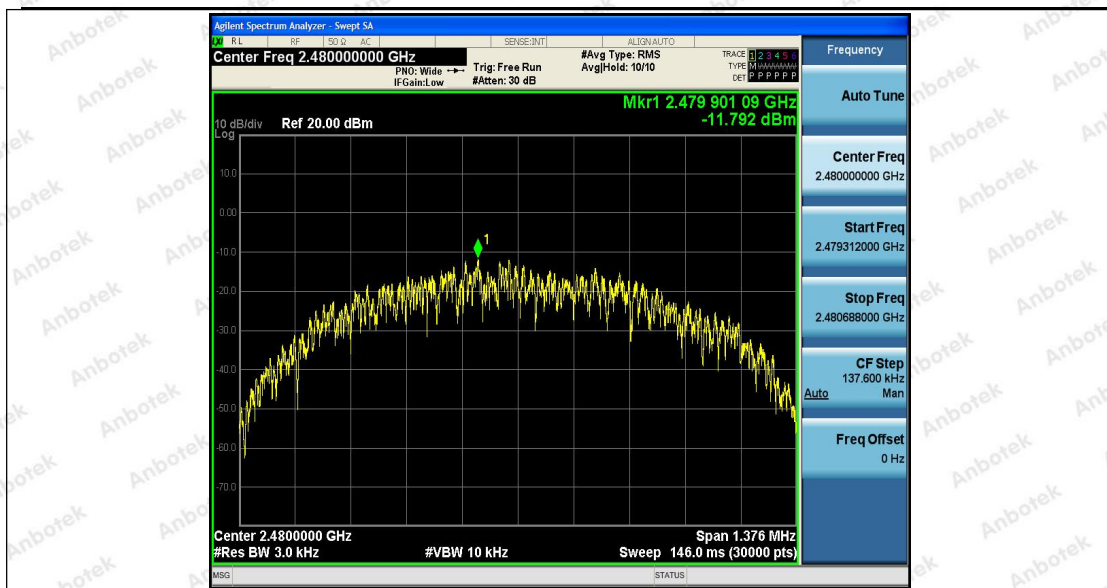


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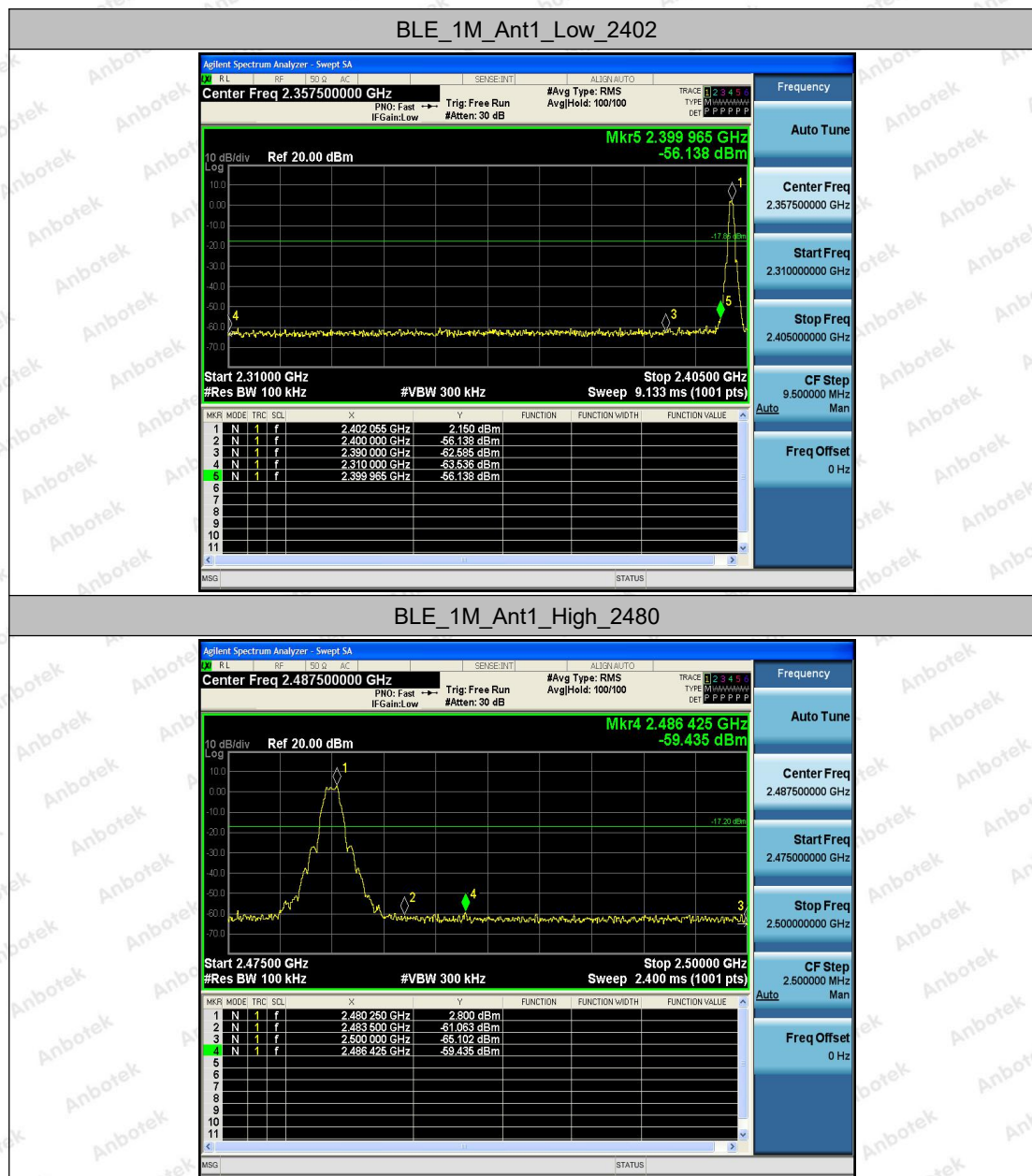
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	2.15	-56.14	≤ -17.85	PASS
		High	2480	2.80	-59.44	≤ -17.2	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

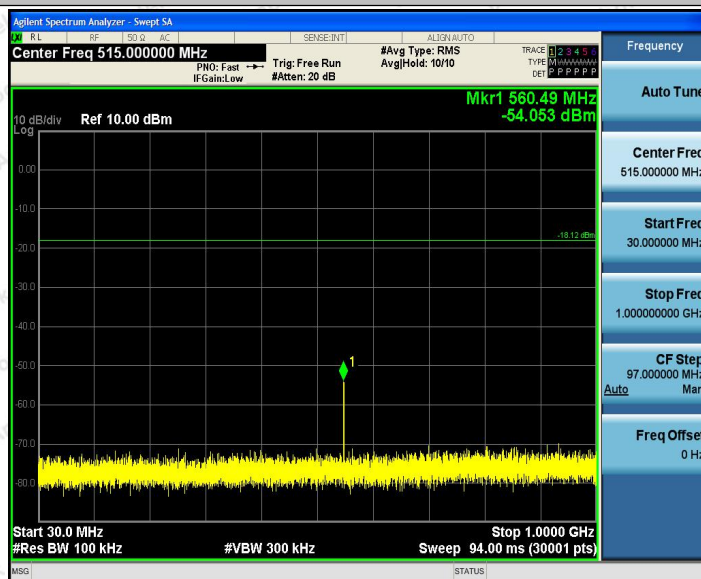
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	1.88	1.88	---	PASS
			30~1000	1.88	-54.05	≤-18.12	PASS
			1000~265 00	1.88	-55.16	≤-18.12	PASS
		2440	Reference	1.43	1.43	---	PASS
			30~1000	1.43	-52.61	≤-18.57	PASS
			1000~265 00	1.43	-55.46	≤-18.57	PASS
		2480	Reference	2.56	2.56	---	PASS
			30~1000	2.56	-52.32	≤-17.44	PASS
			1000~265 00	2.56	-55.8	≤-17.44	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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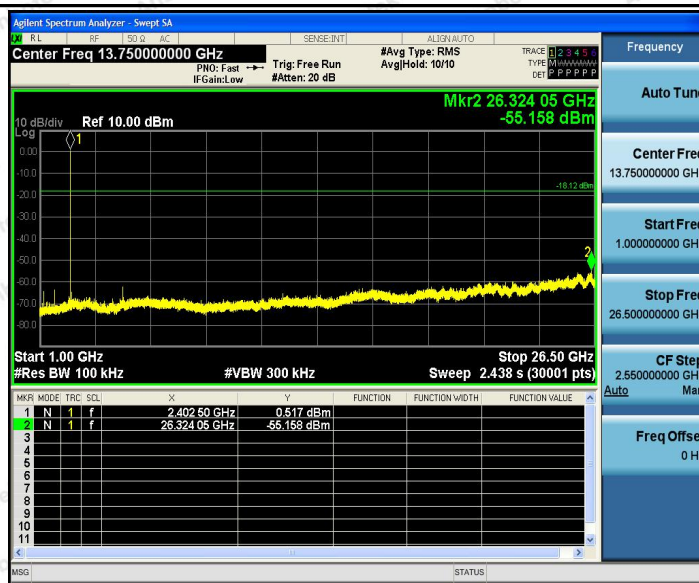
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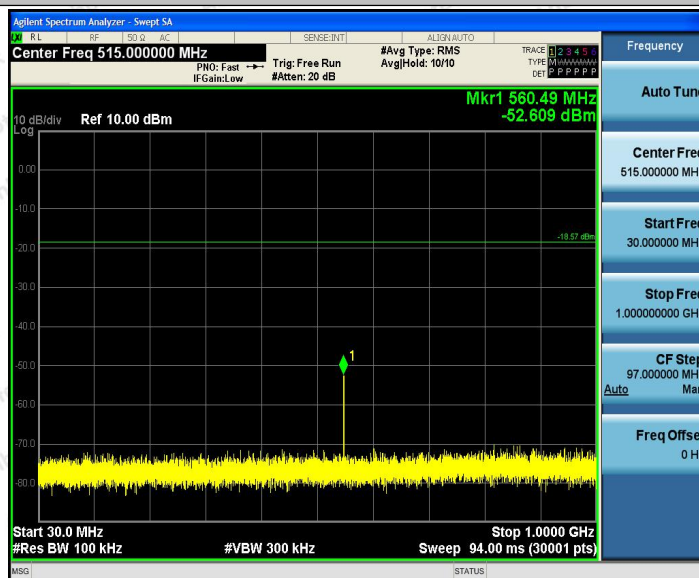
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



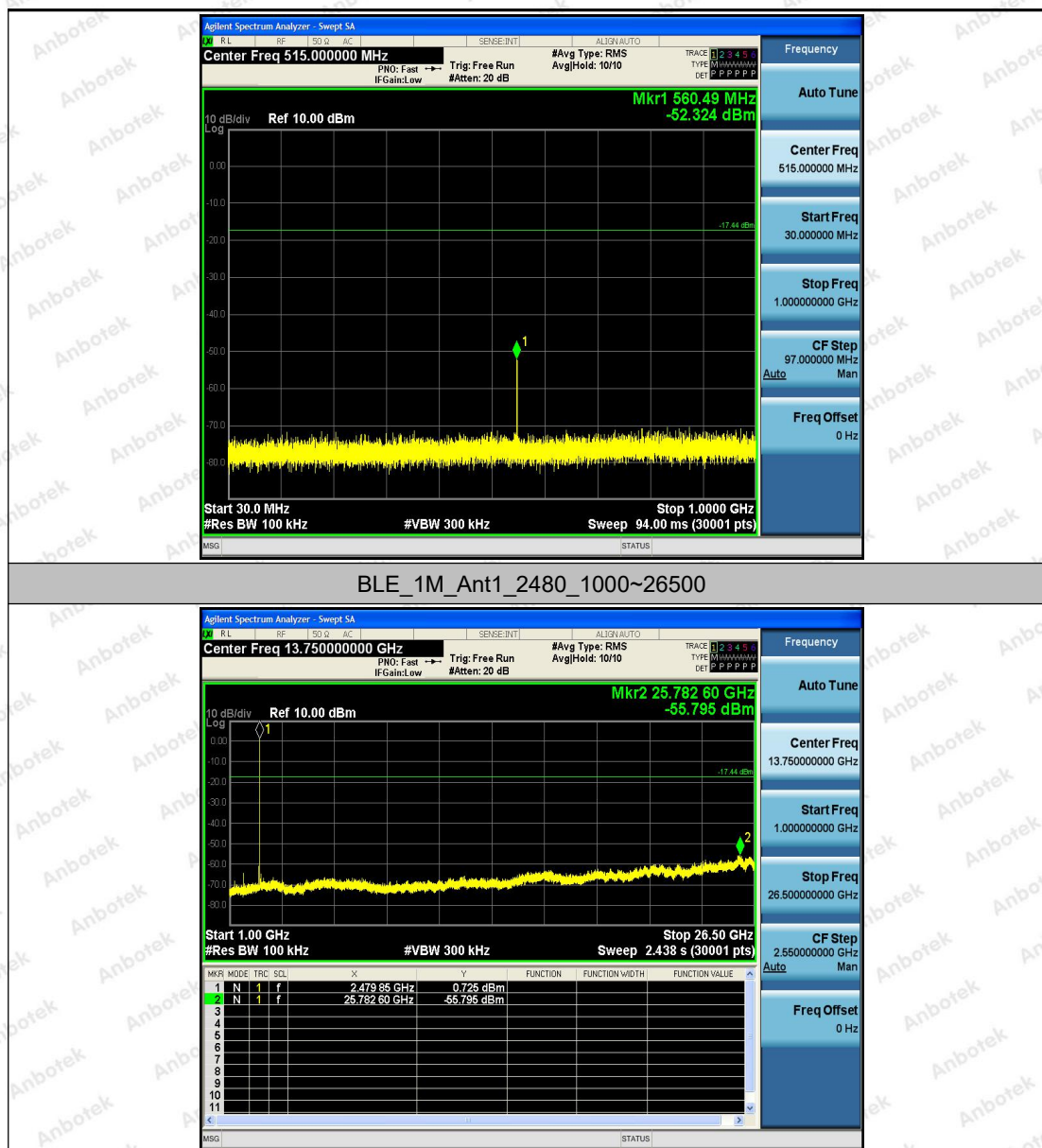
BLE_1M_Ant1_2480_30~1000

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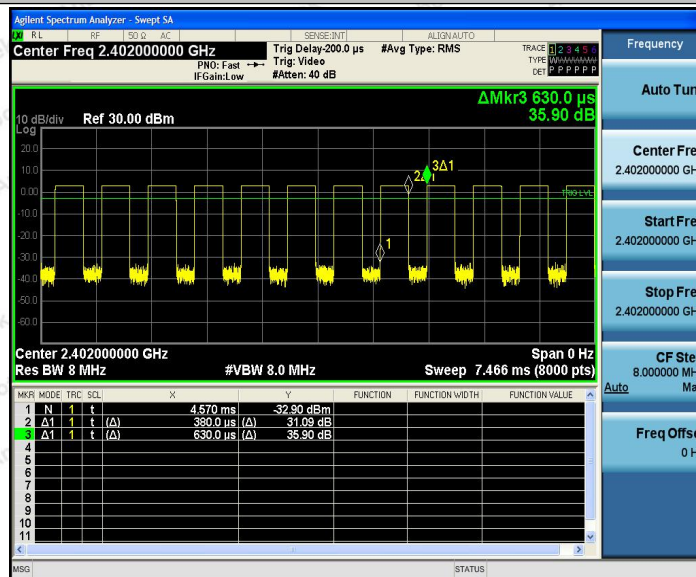
Appendix G: Duty Cycle

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	0.62	0.612 9	61.29	2.13	---	PASS
		2480	0.38	0.63	0.603 2	60.32	2.20	---	PASS

Test Graphs

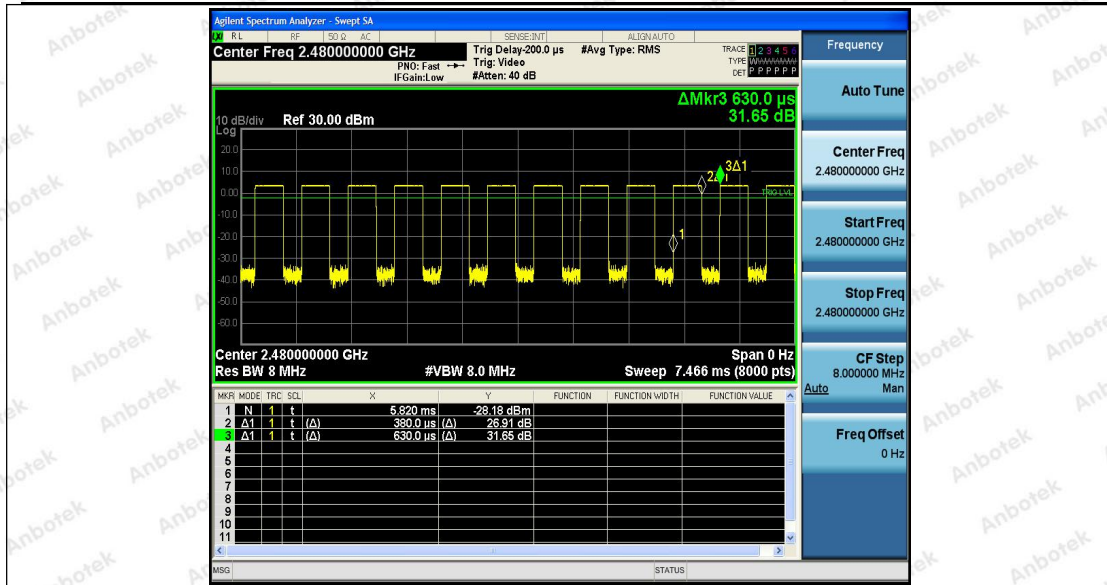
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



---End---