

Appendix Test Data

Report No.:	18220WC10229902	Test Sample No.:	1-2-2
Start Test Date:	2021.11.17	Finish Test Date:	2021.11.18
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.3℃	Relative Humidity:	57 %
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	0.676	2401.652	2402.328	≥0.5	PASS
		2440	0.676	2439.656	2440.332	≥0.5	PASS
		2480	0.672	2479.656	2480.328	≥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	1.0285	2401.489	2402.517	---	PASS
		2440	1.0307	2439.488	2440.519	---	PASS
		2480	1.0296	2479.488	2480.518	---	PASS

Test Graphs



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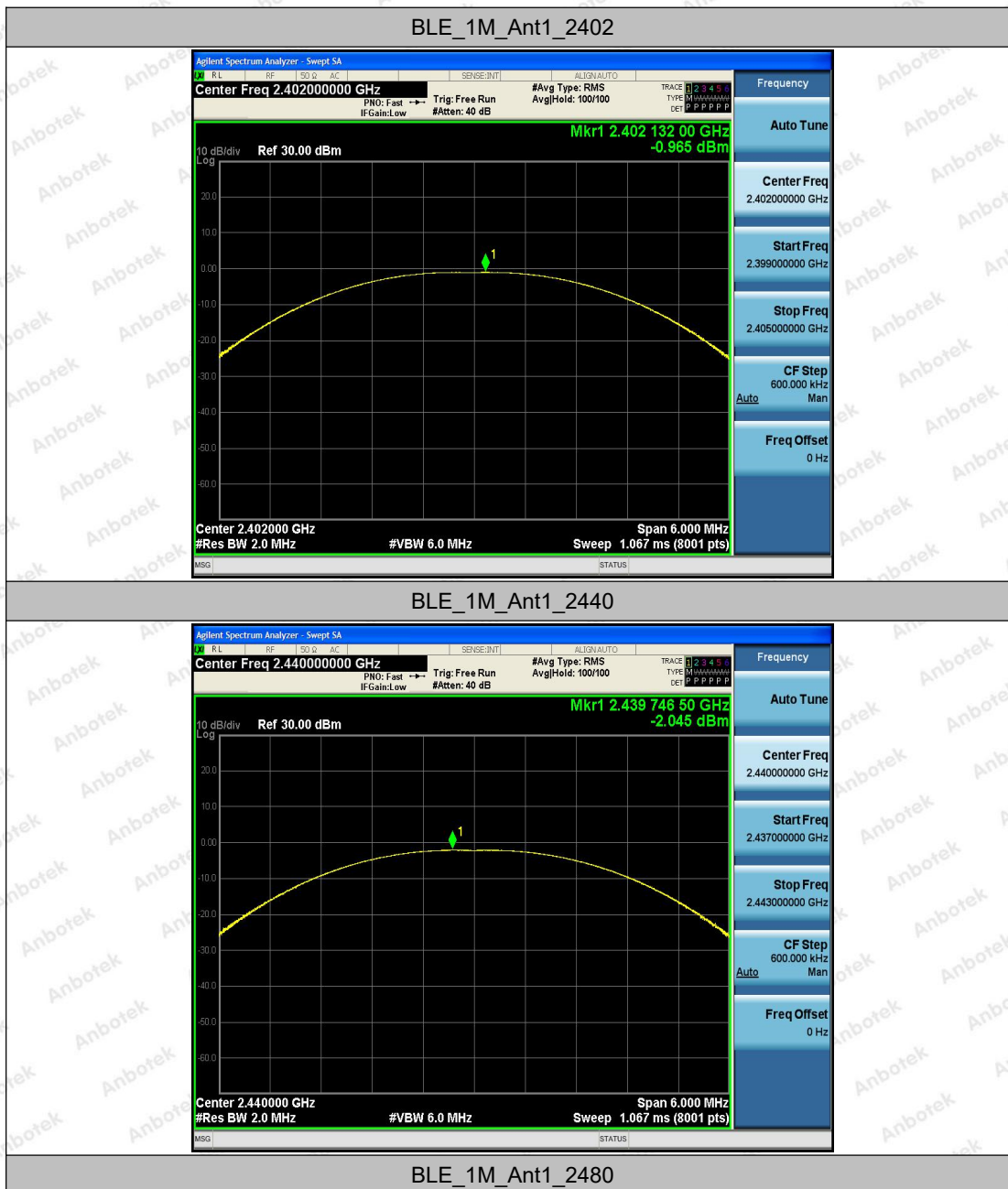
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.97	≤30	PASS
		2440	-2.05	≤30	PASS
		2480	-0.12	≤30	PASS

Test Graphs

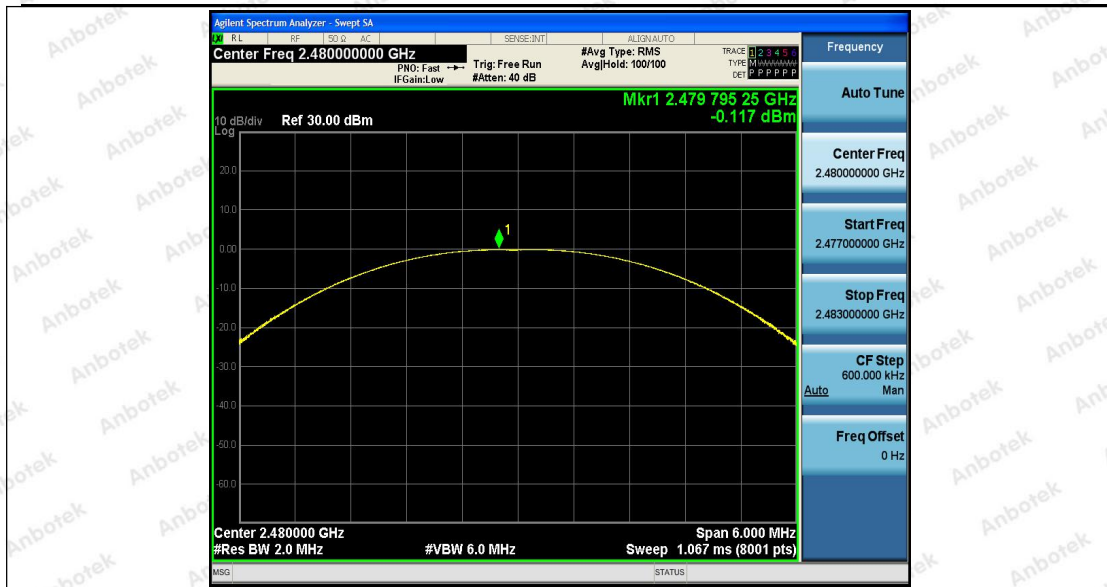


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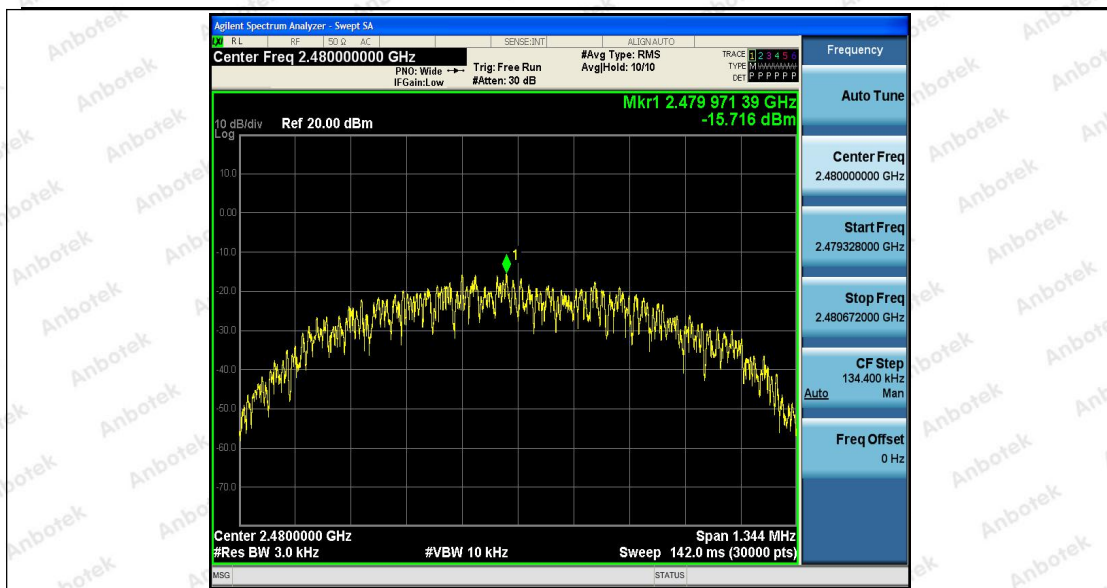
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-16.12	≤8	PASS
		2440	-17.03	≤8	PASS
		2480	-15.72	≤8	PASS



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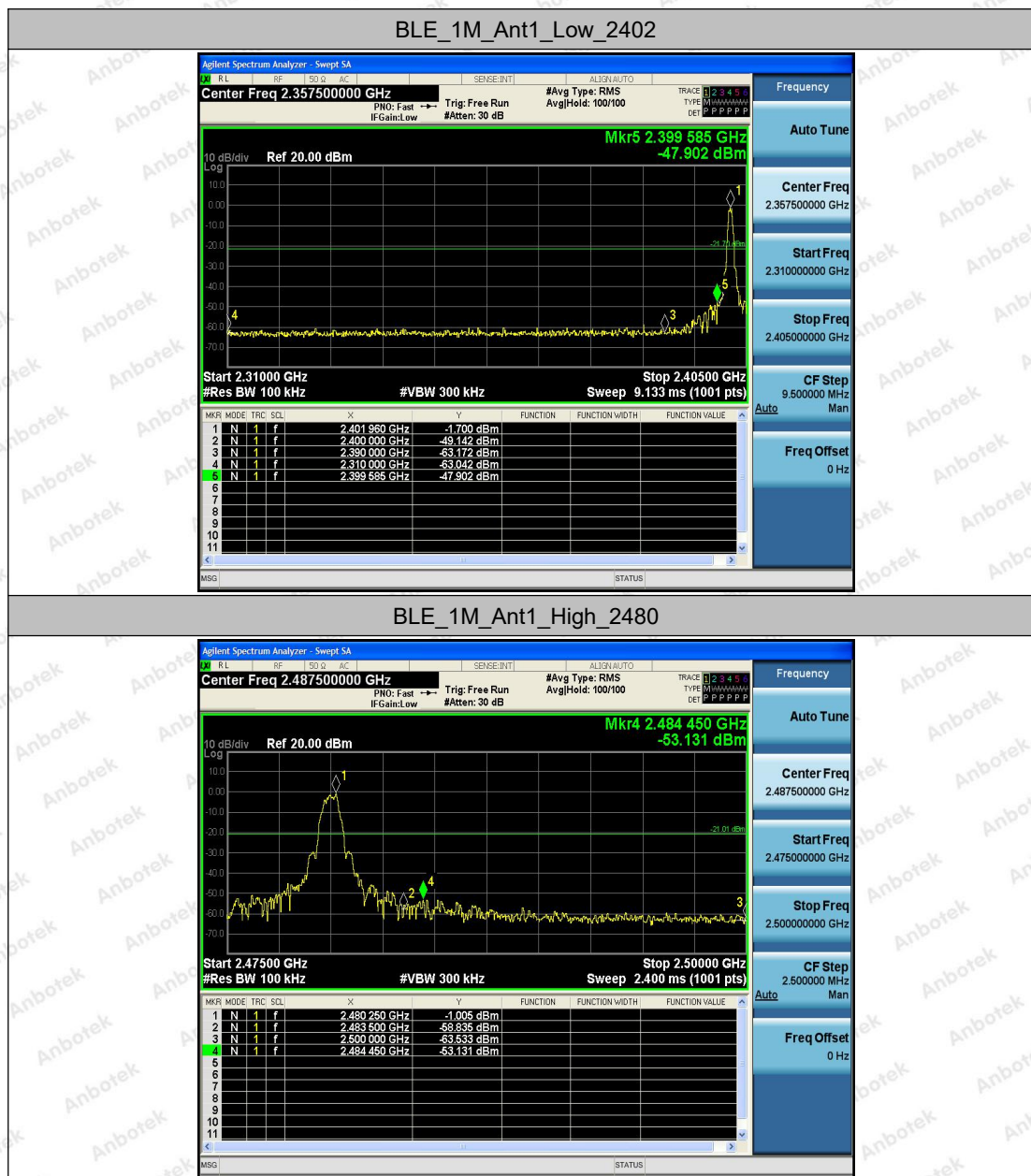
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.70	-47.9	≤-21.7	PASS
		High	2480	-1.01	-53.13	≤-21.01	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

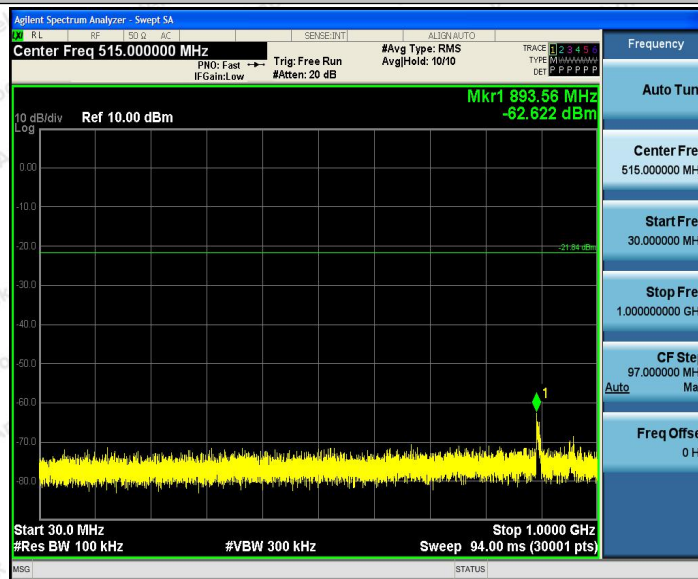
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-1.84	-1.84	---	PASS
			30~1000	-1.84	-62.62	≤-21.84	PASS
			1000~265 00	-1.84	-44.37	≤-21.84	PASS
		2440	Reference	-2.79	-2.79	---	PASS
			30~1000	-2.79	-65.71	≤-22.79	PASS
			1000~265 00	-2.79	-46.35	≤-22.79	PASS
		2480	Reference	-1.32	-1.32	---	PASS
			30~1000	-1.32	-65.13	≤-21.32	PASS
			1000~265 00	-1.32	-51.25	≤-21.32	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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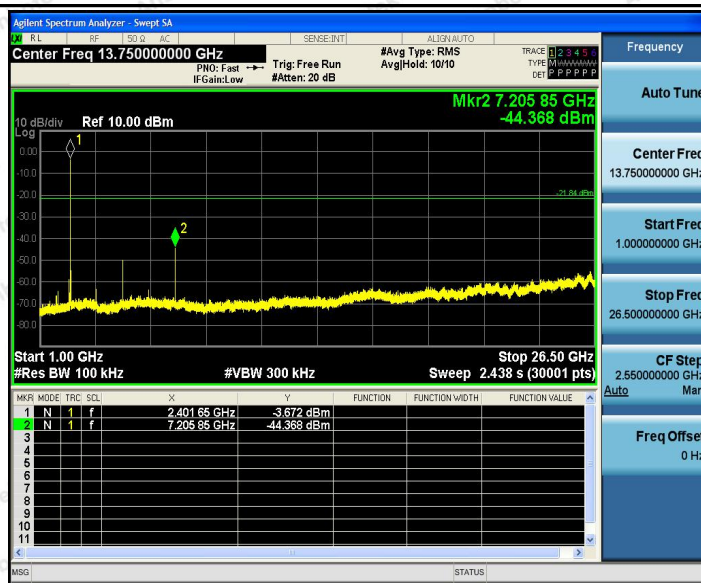
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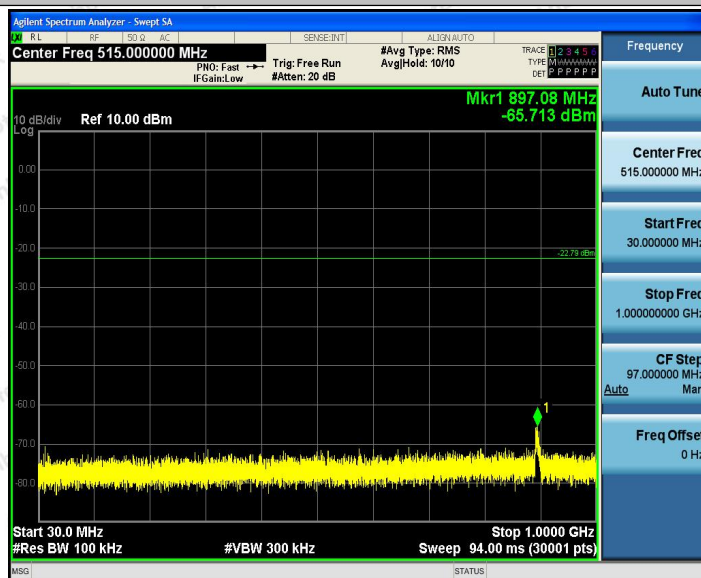
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



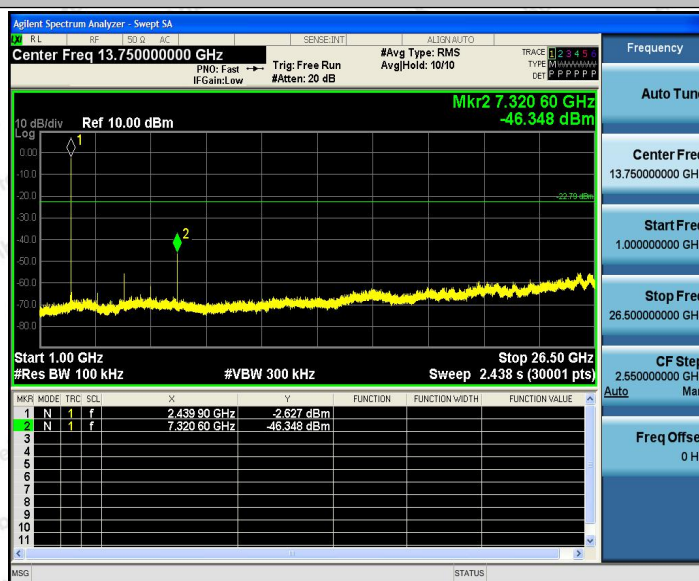
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000

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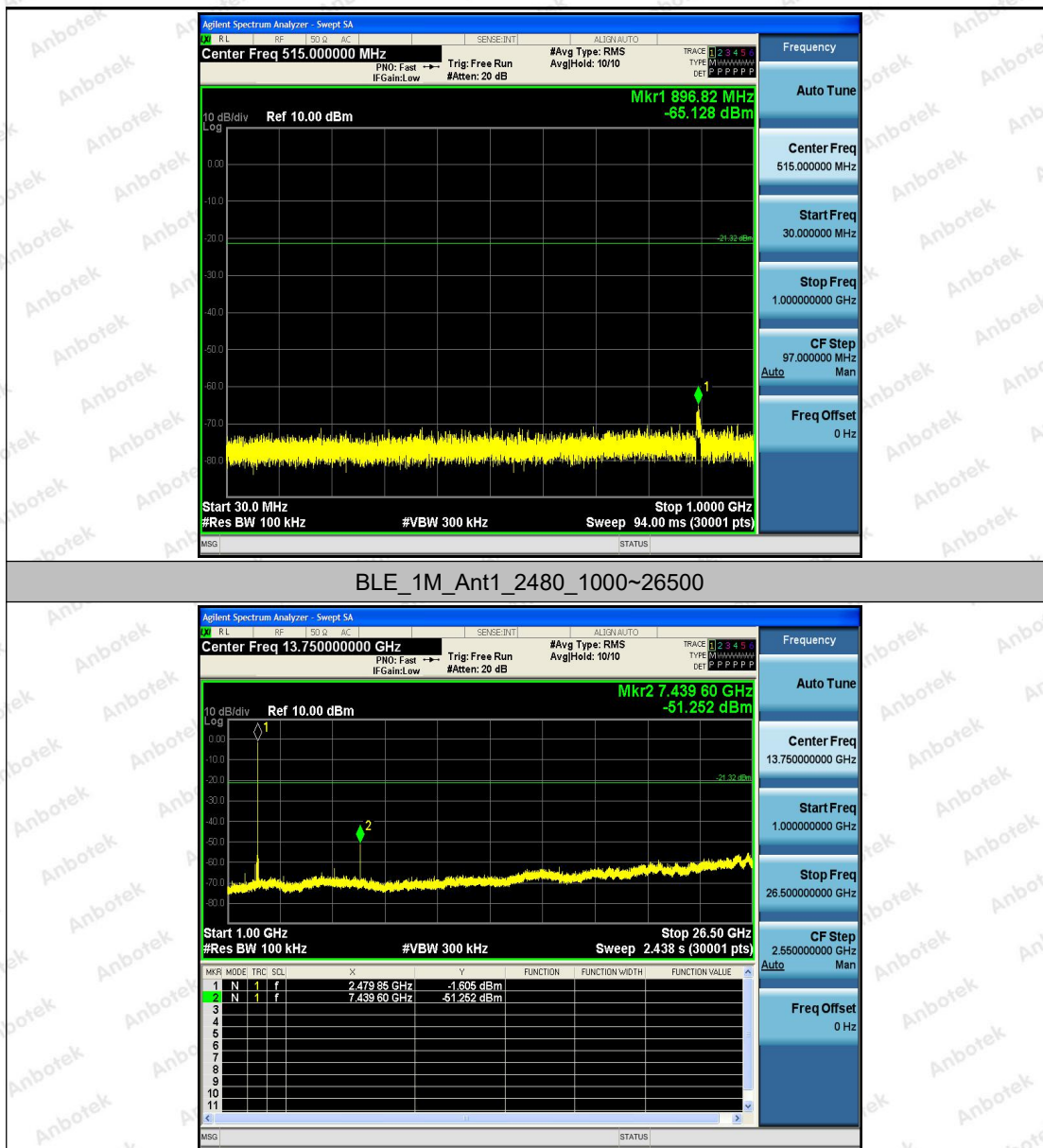
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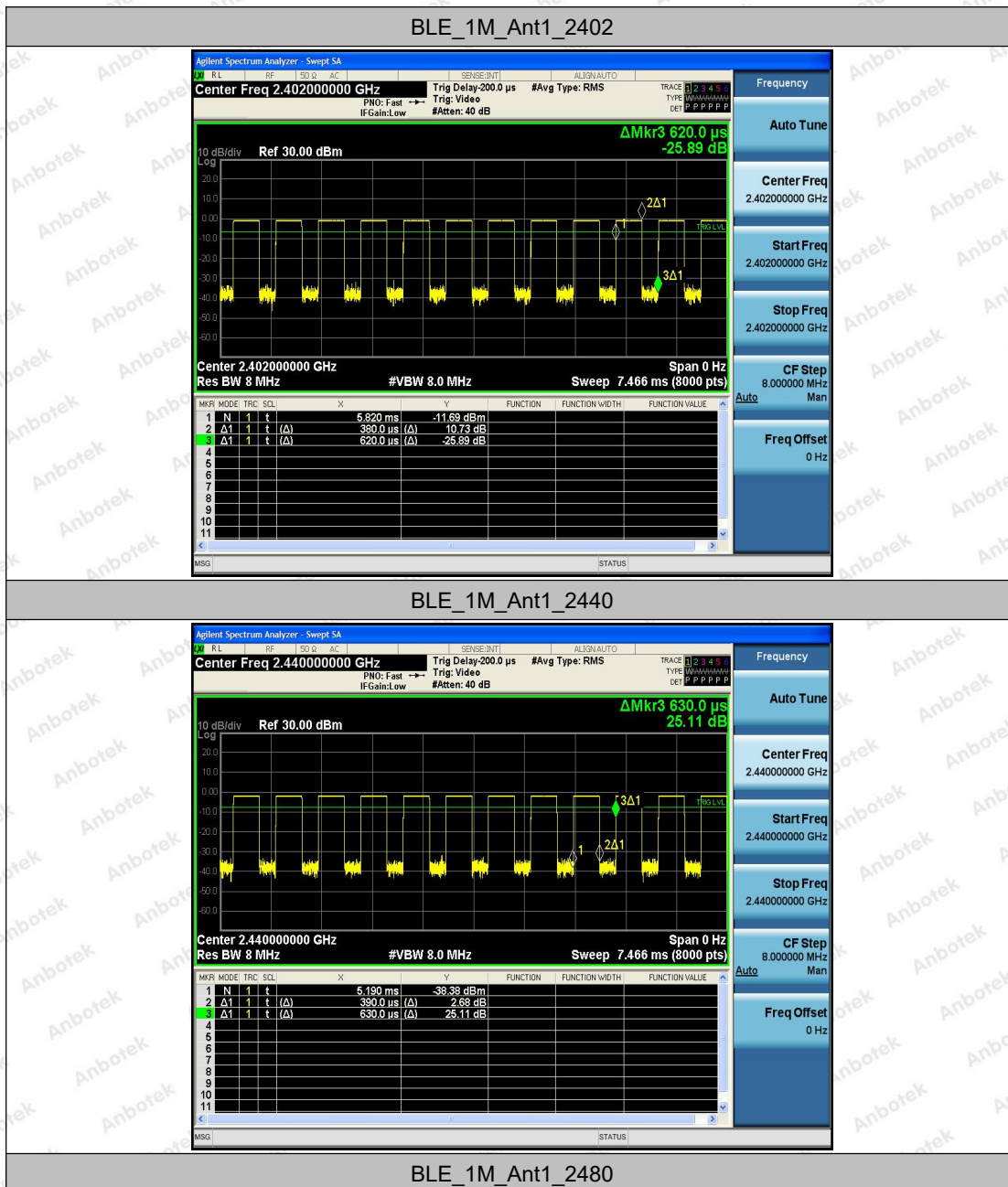
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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.38	0.62	0.612 9	61.29	2.13	---	PASS
		2440	0.39	0.63	0.619 0	61.90	2.08	---	PASS
		2480	0.38	0.62	0.612 9	61.29	2.13	---	PASS

Test Graphs



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Test Graphs

Emissions in Restricted Bands measurements