

Appendix Test Data

Report No.:	18220WC20152101	Test Sample No.:	1-2-2
Start Test Date:	2022.7.11	Finish Test Date:	2022.7.18
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	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	0.916	2401.580	2402.496	≥0.5	PASS
		2440	0.924	2439.572	2440.496	≥0.5	PASS
		2480	0.760	2479.596	2480.356	≥0.5	PASS

Test Graphs





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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	1.3947	2401.245	2402.639	---	PASS
		2440	1.4141	2439.215	2440.629	---	PASS
		2480	1.4449	2479.205	2480.650	---	PASS

Test Graphs



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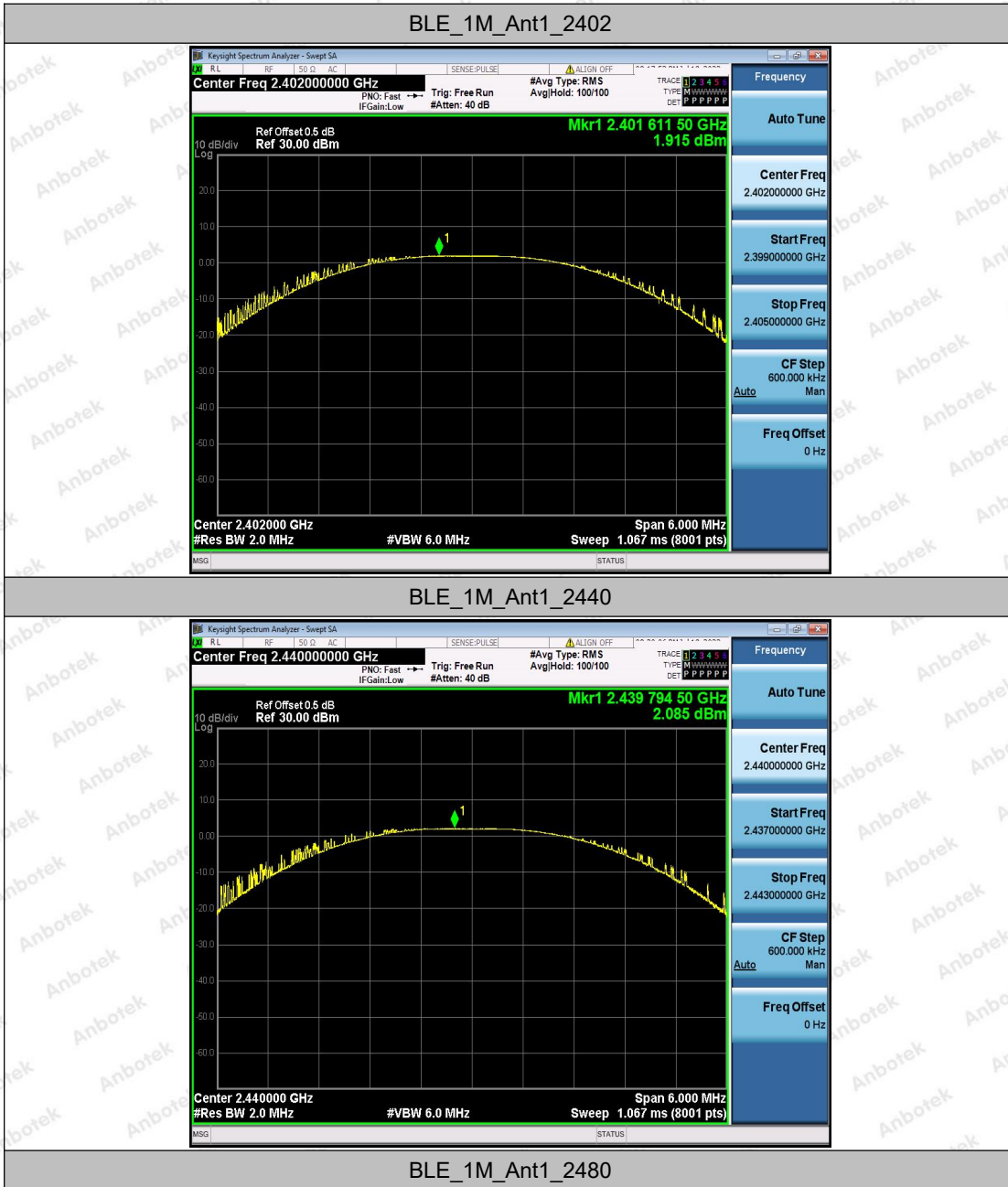
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.92	≤30	PASS
		2440	2.09	≤30	PASS
		2480	2.18	≤30	PASS

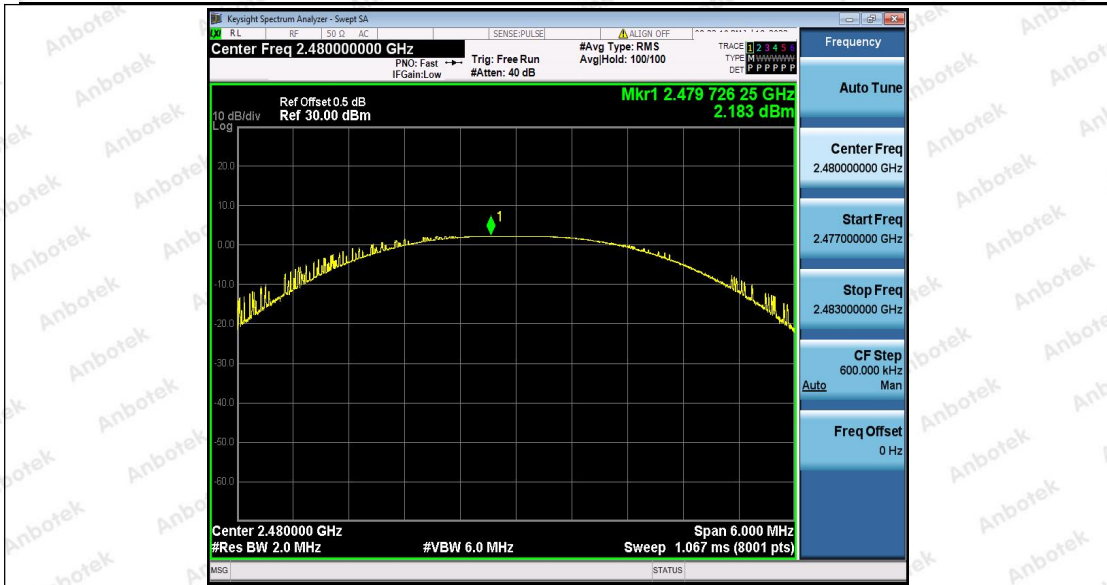
Test Graphs



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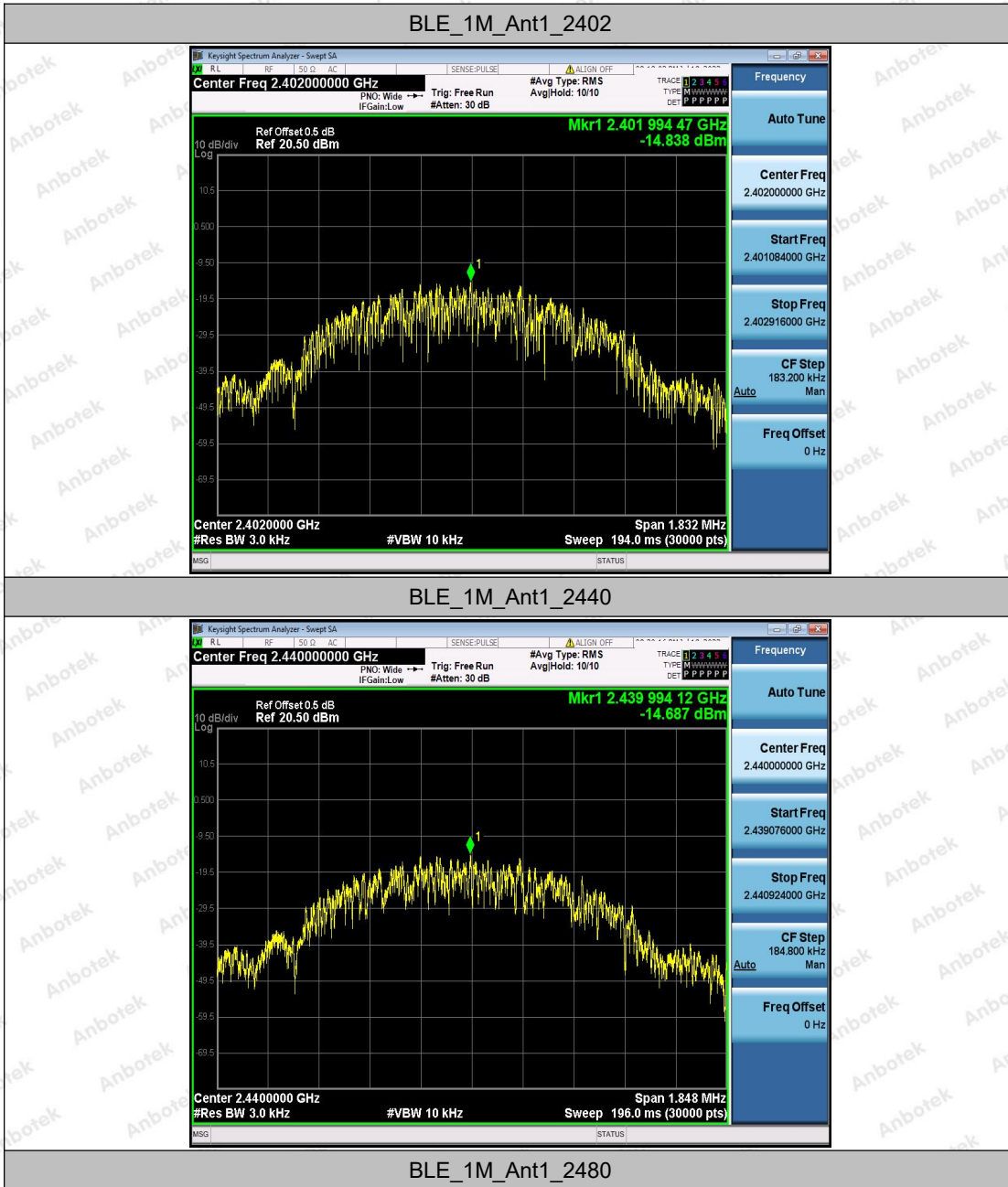
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.84	≤8	PASS
		2440	-14.69	≤8	PASS
		2480	-14.39	≤8	PASS

Test Graphs

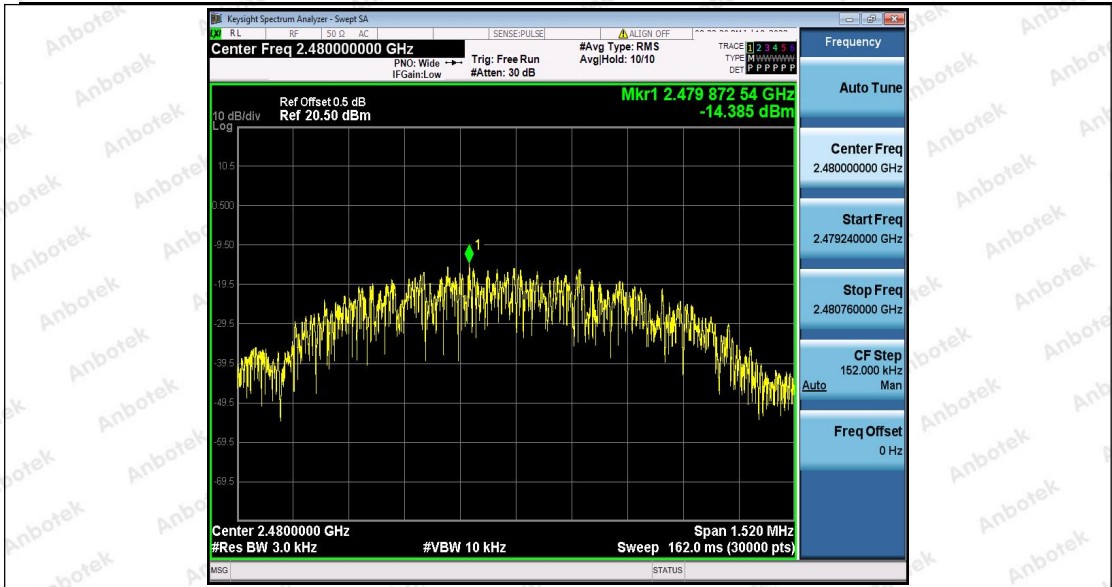


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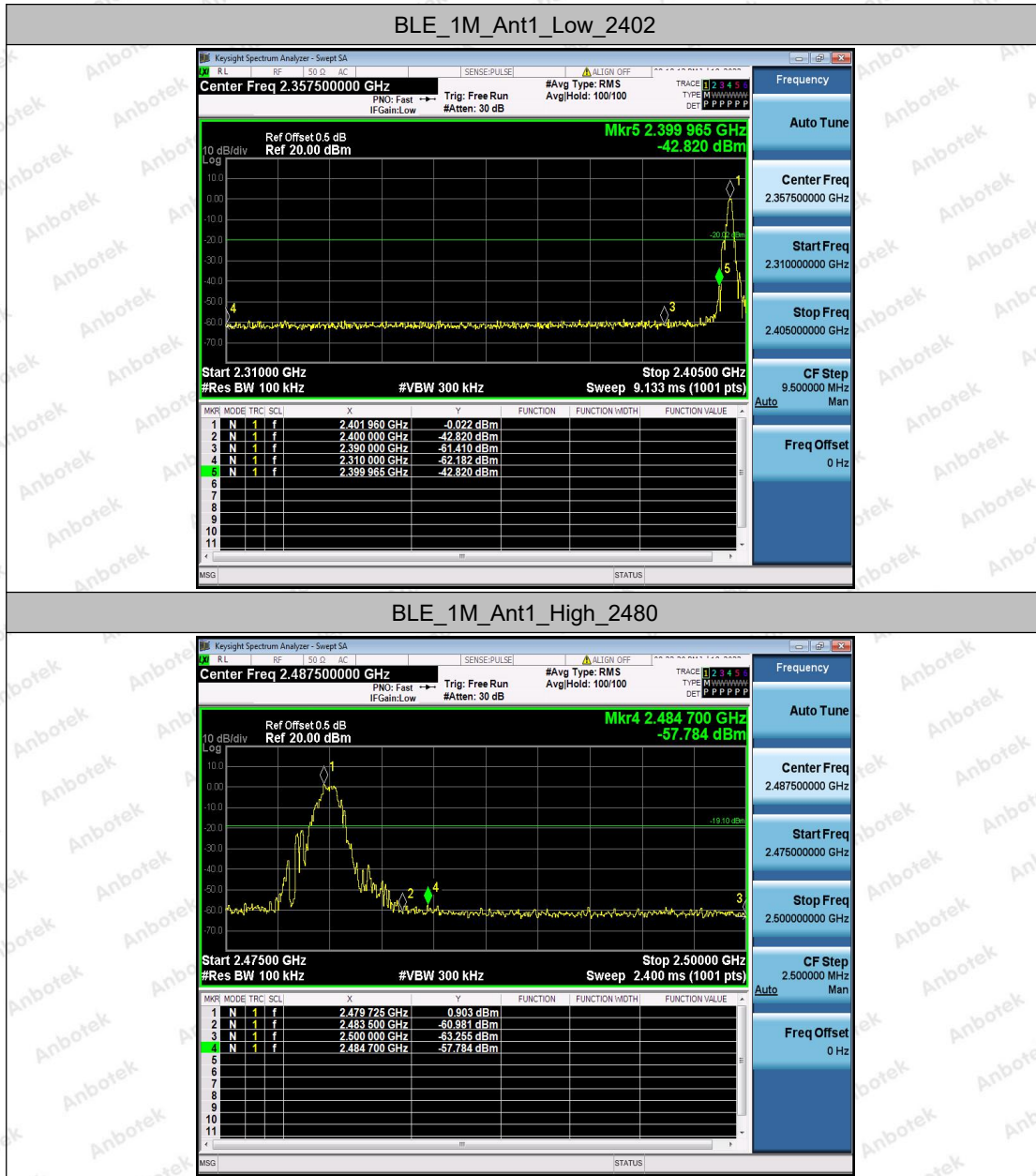
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.02	-42.82	≤-20.02	PASS
		High	2480	0.90	-57.78	≤-19.1	PASS

Test Graphs

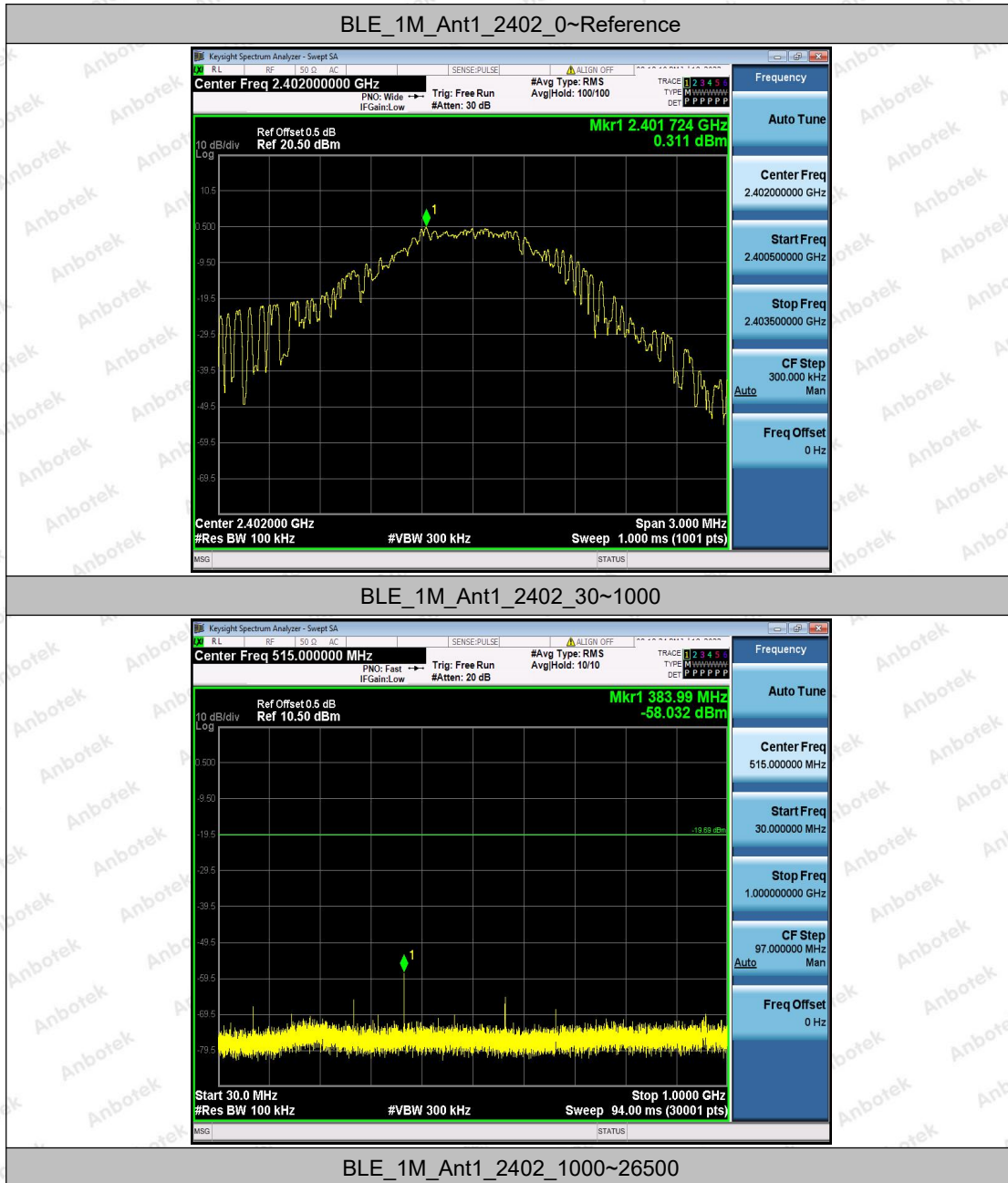


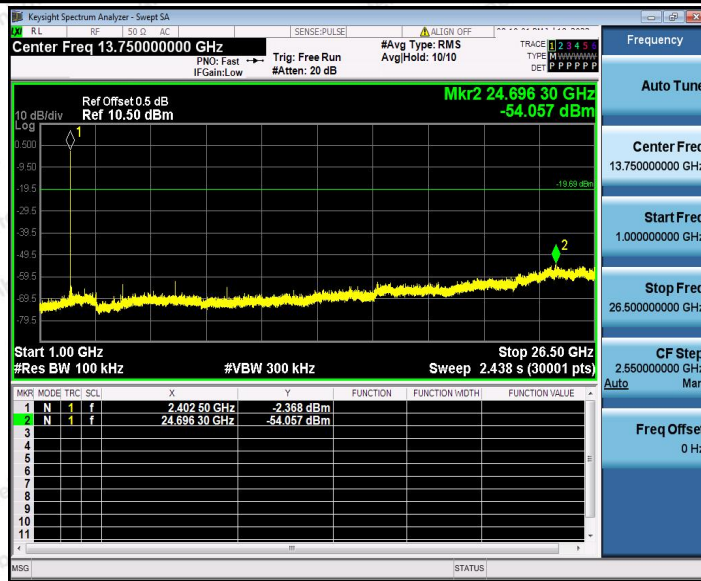
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	0.31	0.31	---	PASS
			30~1000	0.31	-58.03	≤-19.69	PASS
			1000~265 00	0.31	-54.06	≤-19.69	PASS
		2440	Reference	0.06	0.06	---	PASS
			30~1000	0.06	-58.84	≤-19.95	PASS
			1000~265 00	0.06	-53.78	≤-19.95	PASS
		2480	Reference	0.11	0.11	---	PASS
			30~1000	0.11	-58.79	≤-19.89	PASS
			1000~265 00	0.11	-54.01	≤-19.89	PASS

Test Graphs

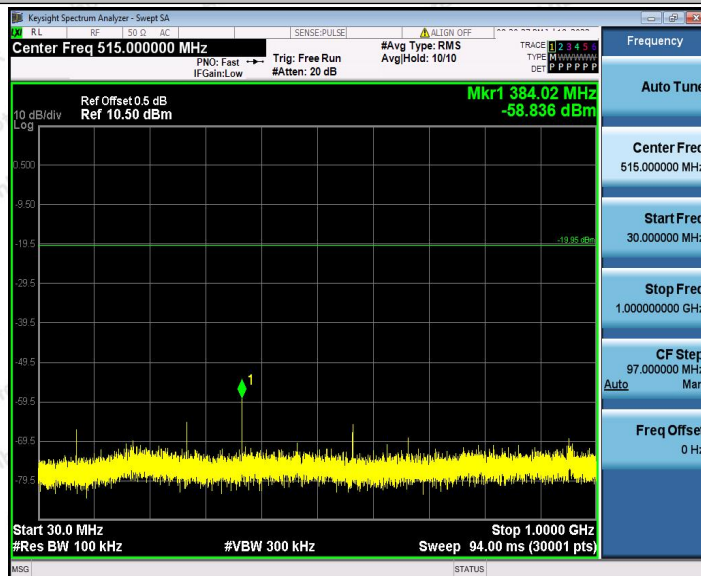




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000

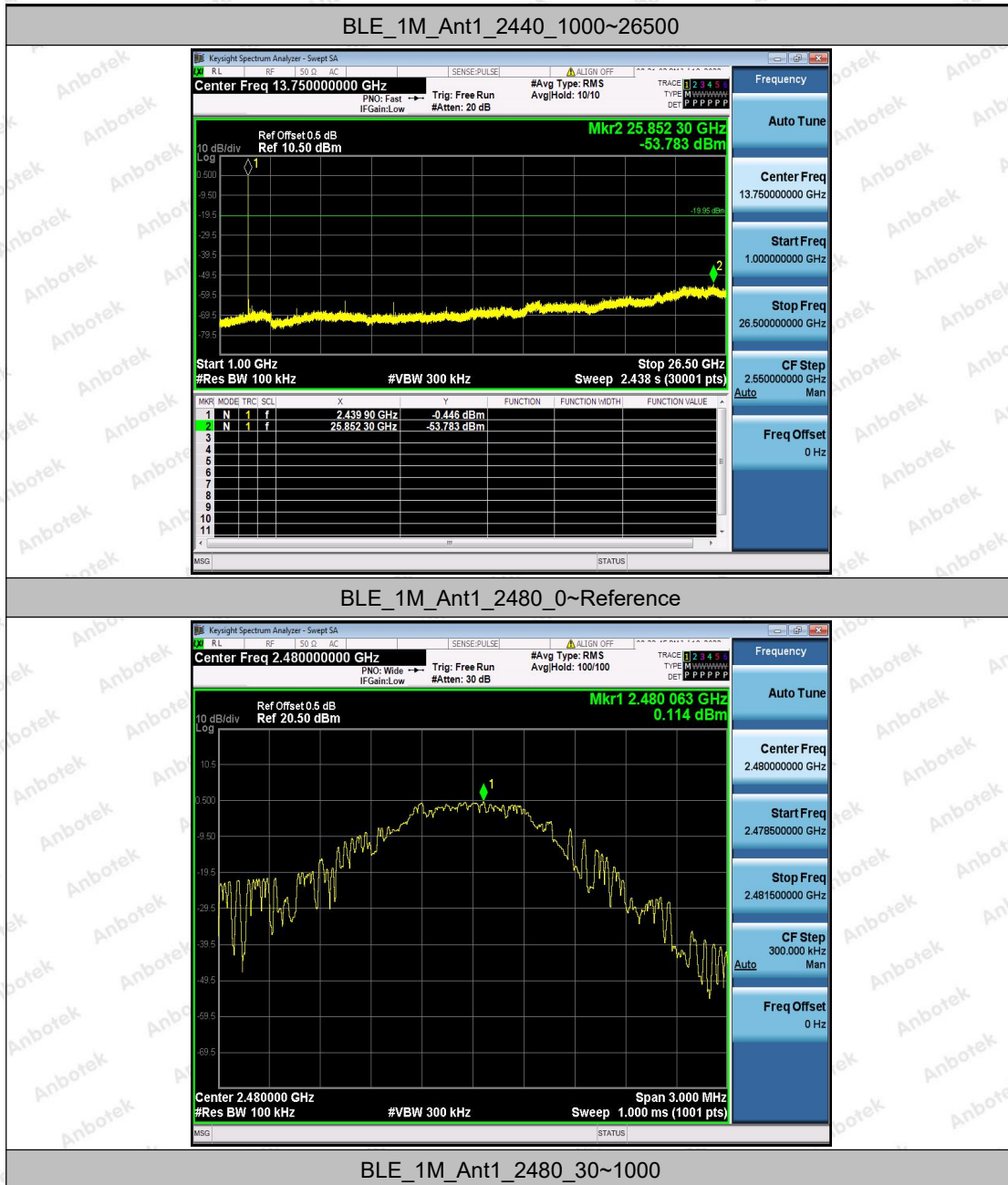


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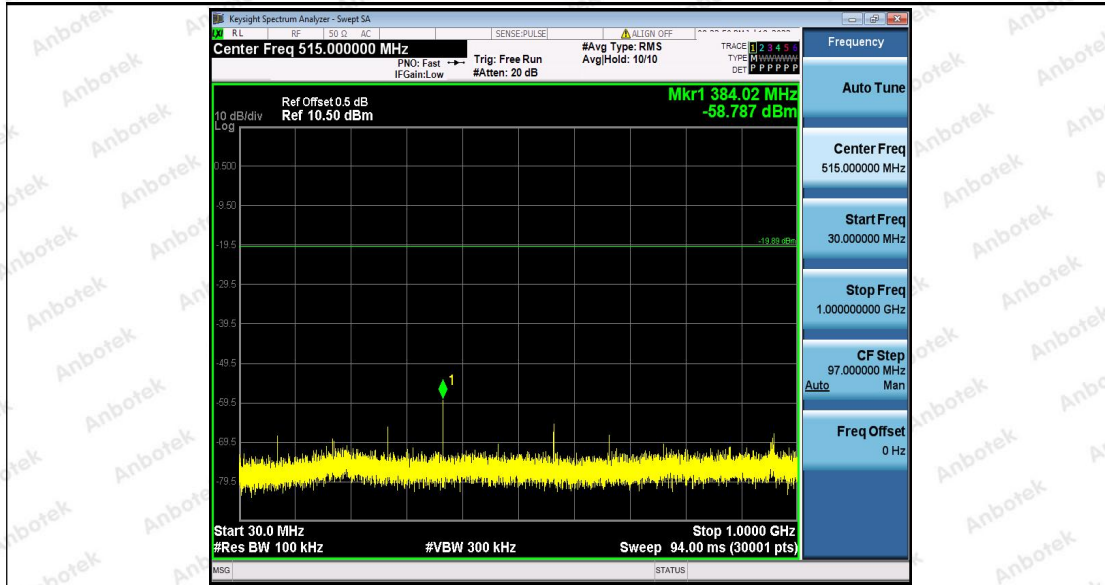


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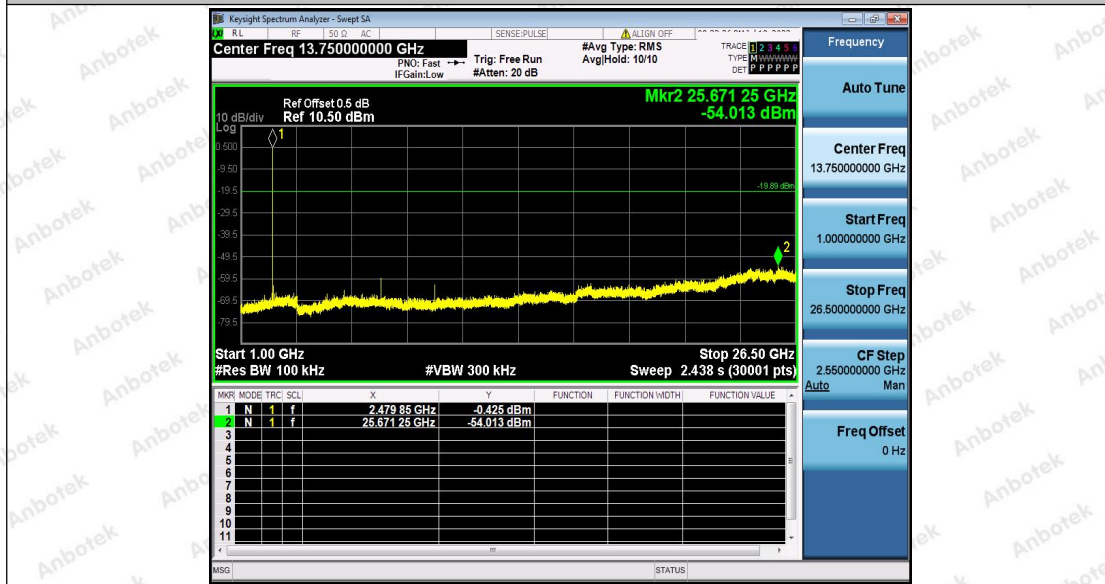
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BLE_1M_Ant1_2480_1000~26500



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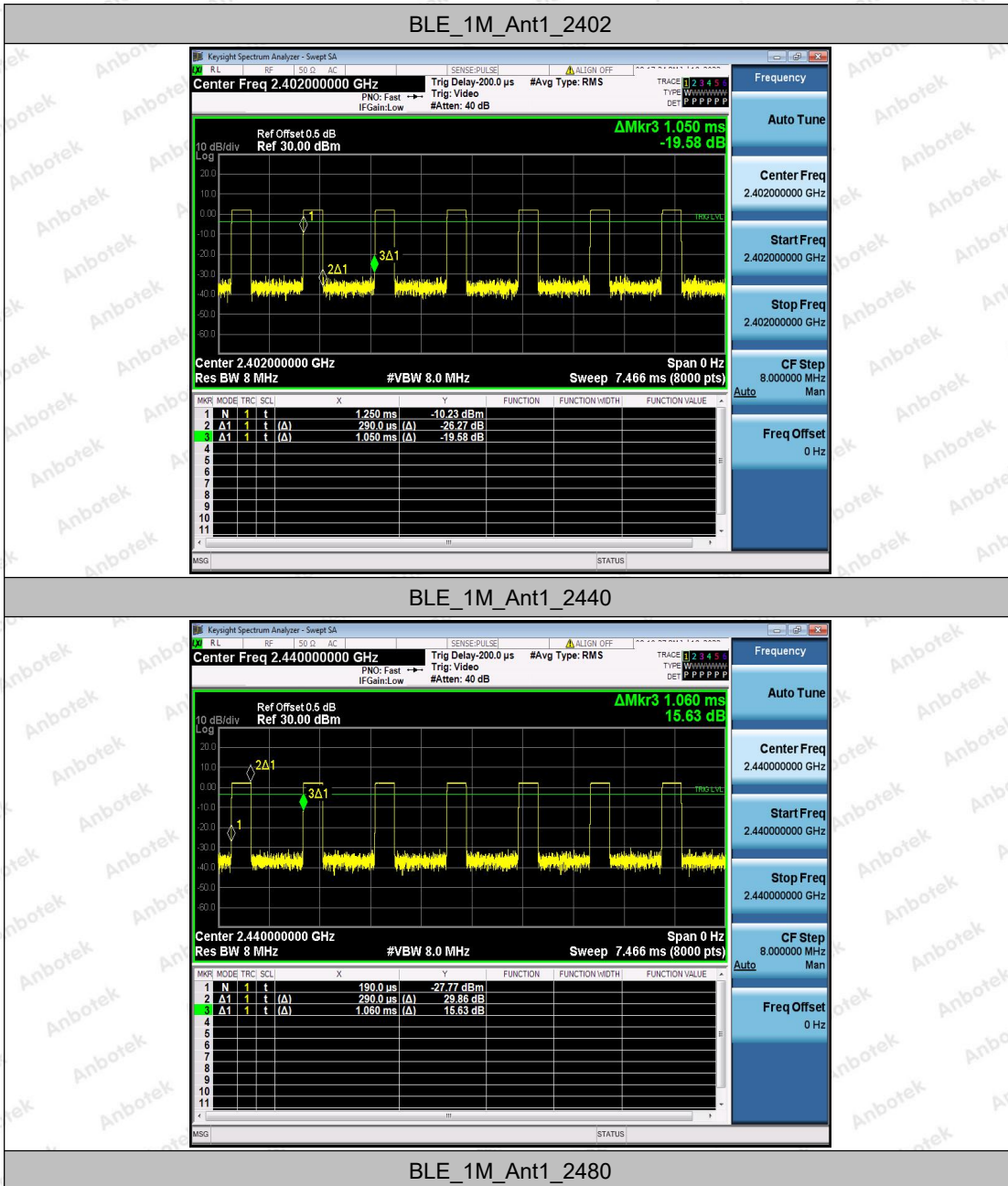
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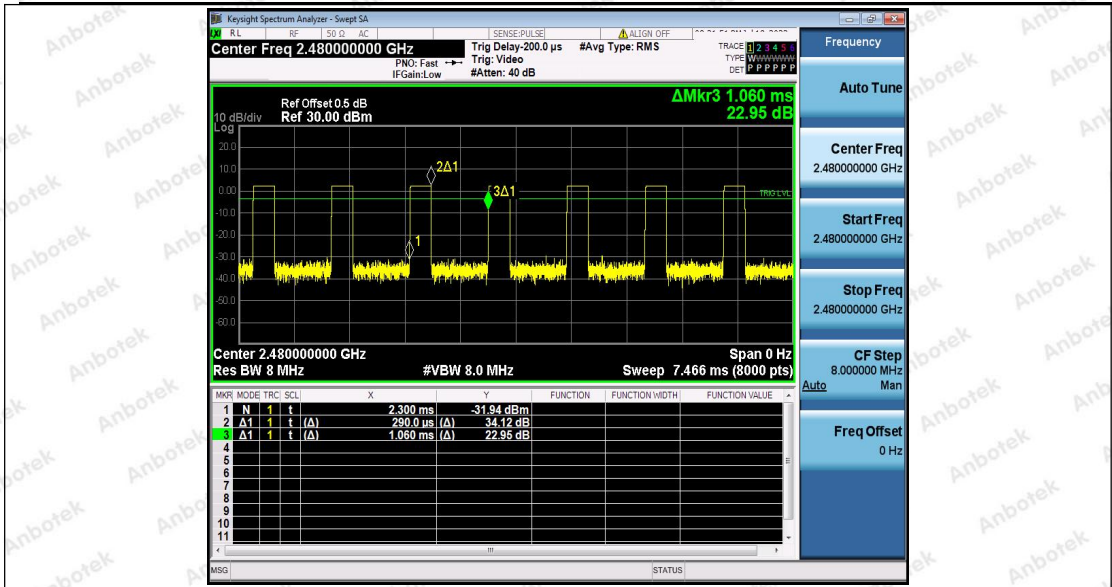
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.29	1.05	0.276 2	27.62	5.59	---	PASS
		2440	0.29	1.06	0.273 6	27.36	5.63	---	PASS
		2480	0.29	1.06	0.273 6	27.36	5.63	---	PASS

Test Graphs





---End---