

Appendix Test Data

Report No.:	18220WC10189101	Test Date:	2021.9.9
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	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	0.652	2401.708	2402.360	≥0.5	PASS
		2440	0.628	2439.704	2440.332	≥0.5	PASS
		2480	0.652	2479.704	2480.356	≥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	1.0663	2401.510	2402.577	---	PASS
		2440	1.0607	2439.511	2440.572	---	PASS
		2480	1.0643	2479.510	2480.574	---	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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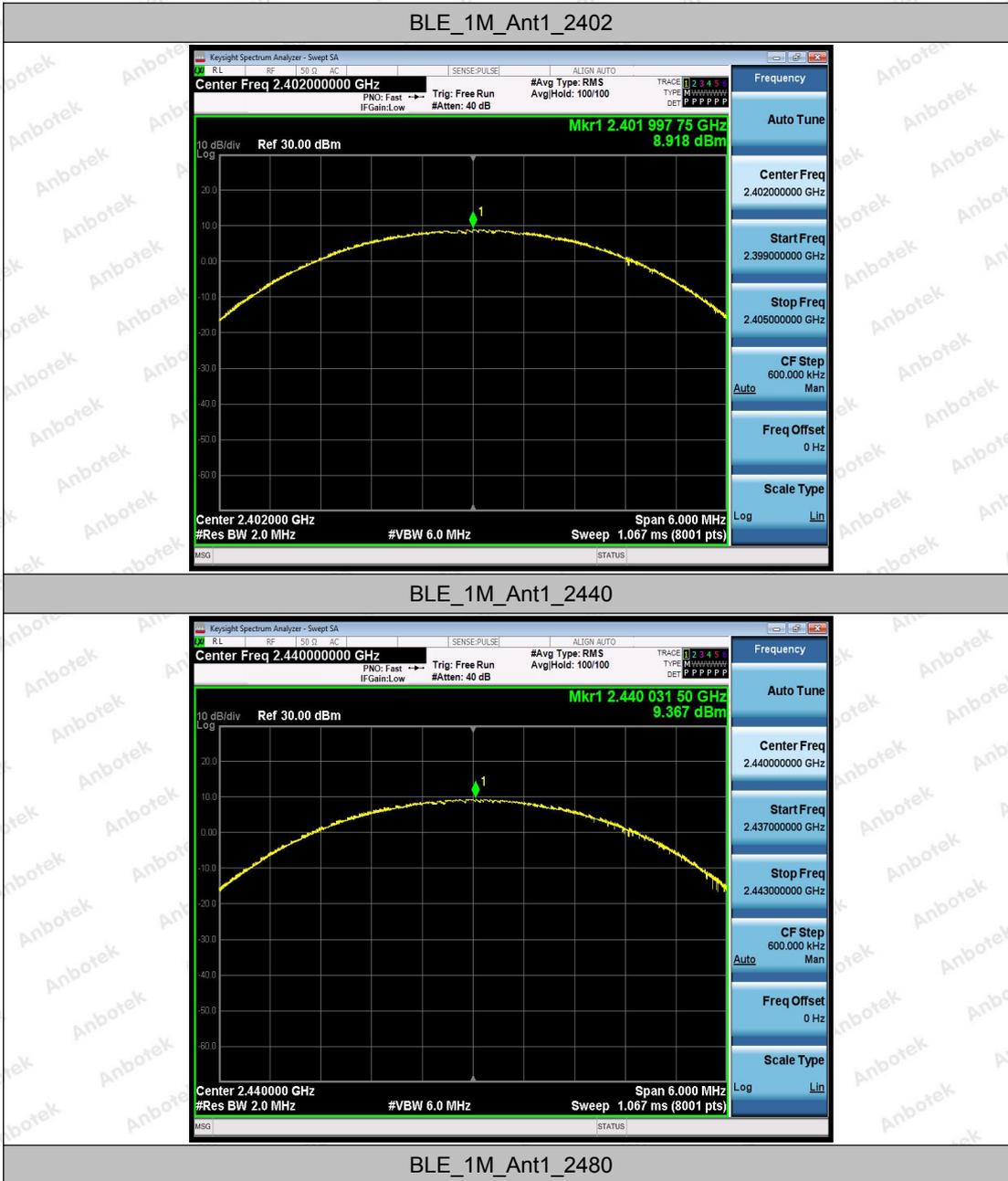
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	8.92	≤30	PASS
		2440	9.37	≤30	PASS
		2480	9.43	≤30	PASS

Test Graphs



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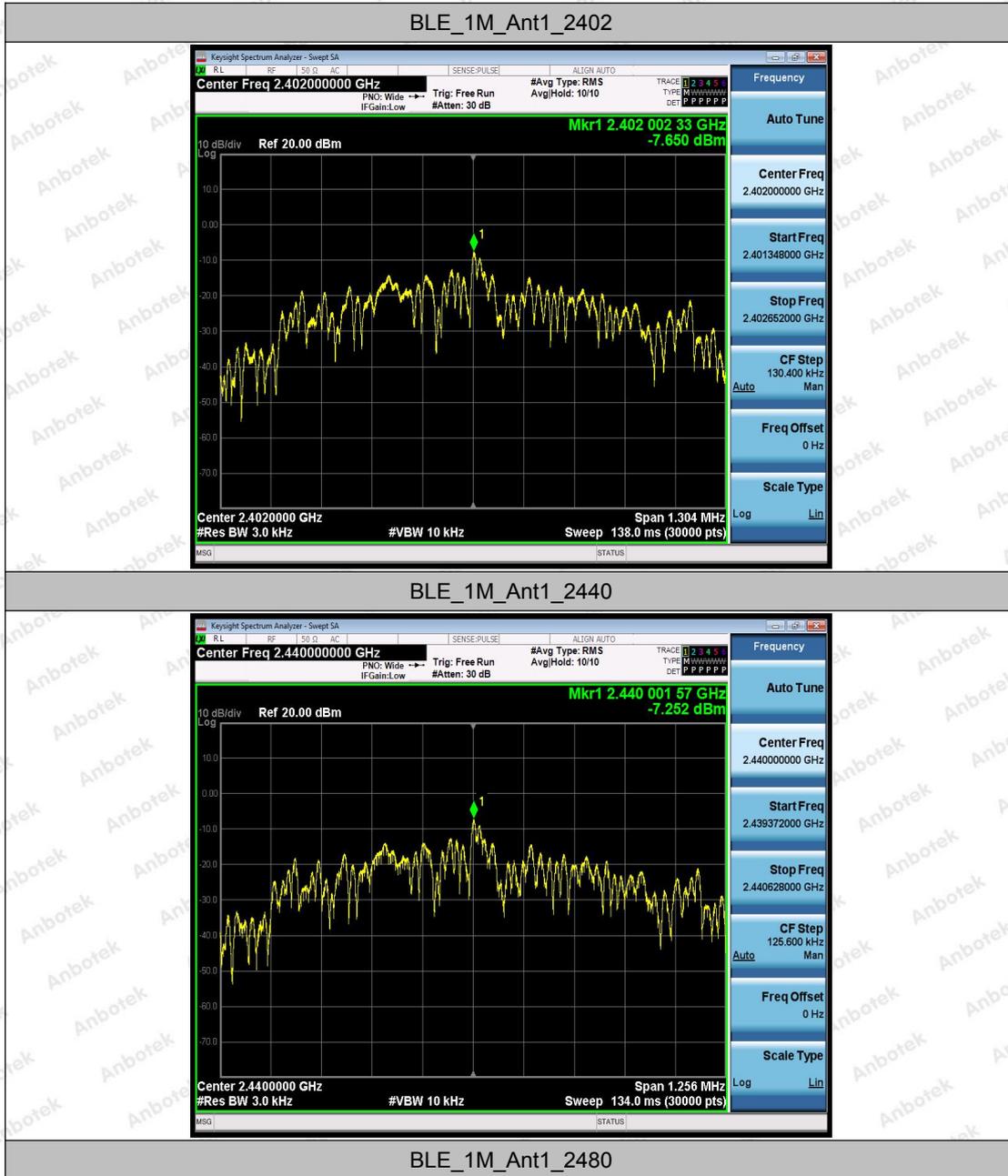
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-7.65	≤8	PASS
		2440	-7.25	≤8	PASS
		2480	-7.53	≤8	PASS

Test Graphs



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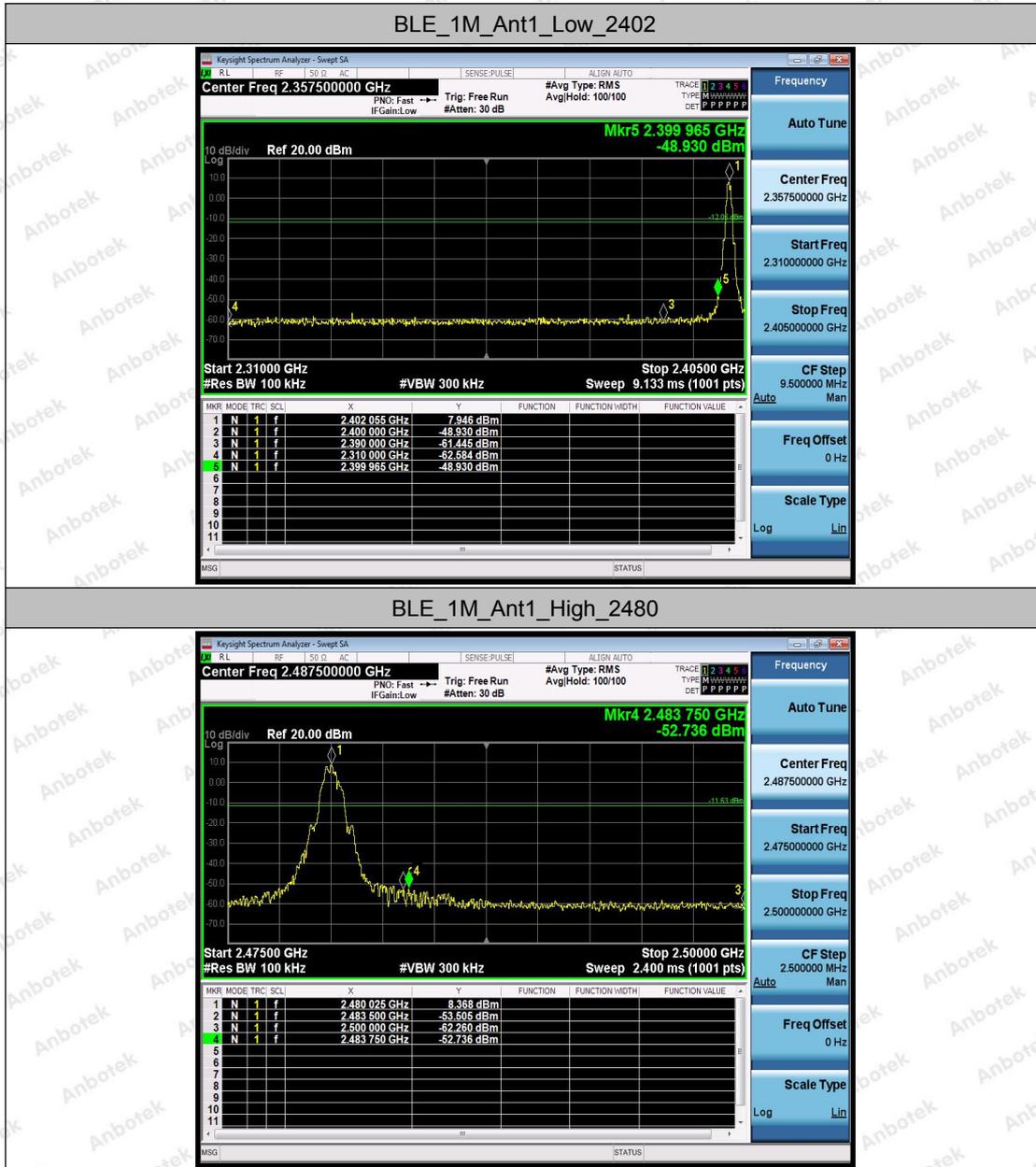
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	7.95	-48.93	≤-12.05	PASS
		High	2480	8.37	-52.74	≤-11.63	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	8.02	8.02	---	PASS
			30~1000	8.02	-70.21	≤-11.98	PASS
			1000~265 00	8.02	-54.16	≤-11.98	PASS
		2440	Reference	8.43	8.43	---	PASS
			30~1000	8.43	-69.56	≤-11.57	PASS
			1000~265 00	8.43	-44.66	≤-11.57	PASS
		2480	Reference	8.27	8.27	---	PASS
			30~1000	8.27	-71.17	≤-11.73	PASS
			1000~265 00	8.27	-49.78	≤-11.73	PASS

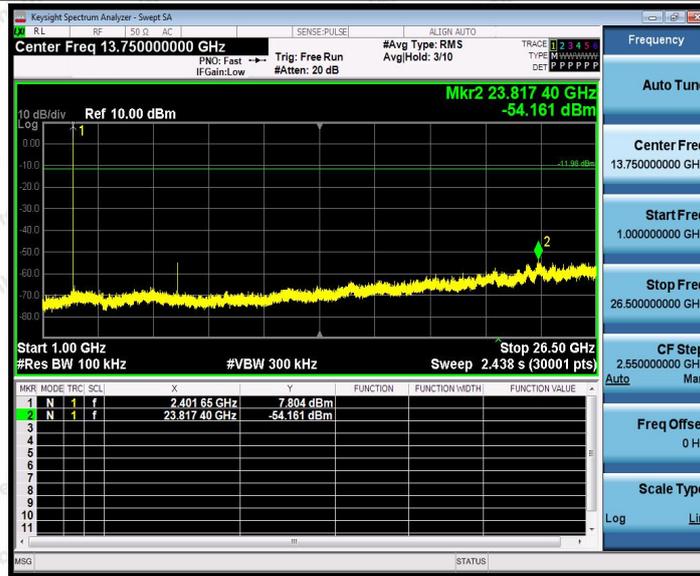
Test Graphs



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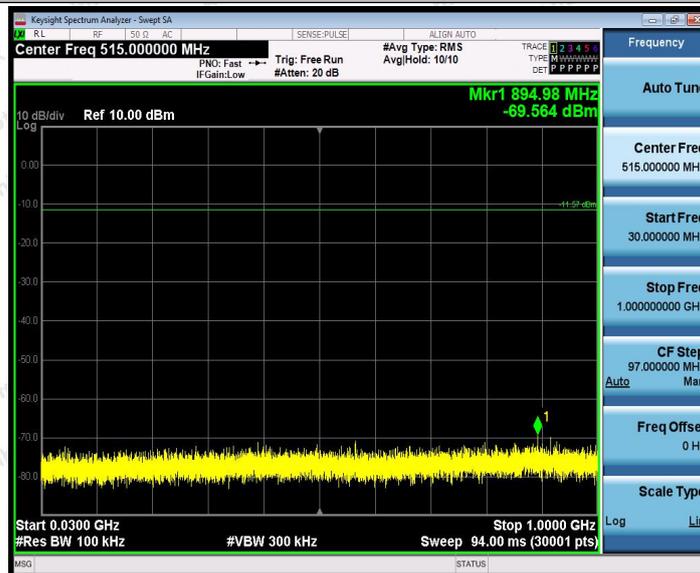
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000

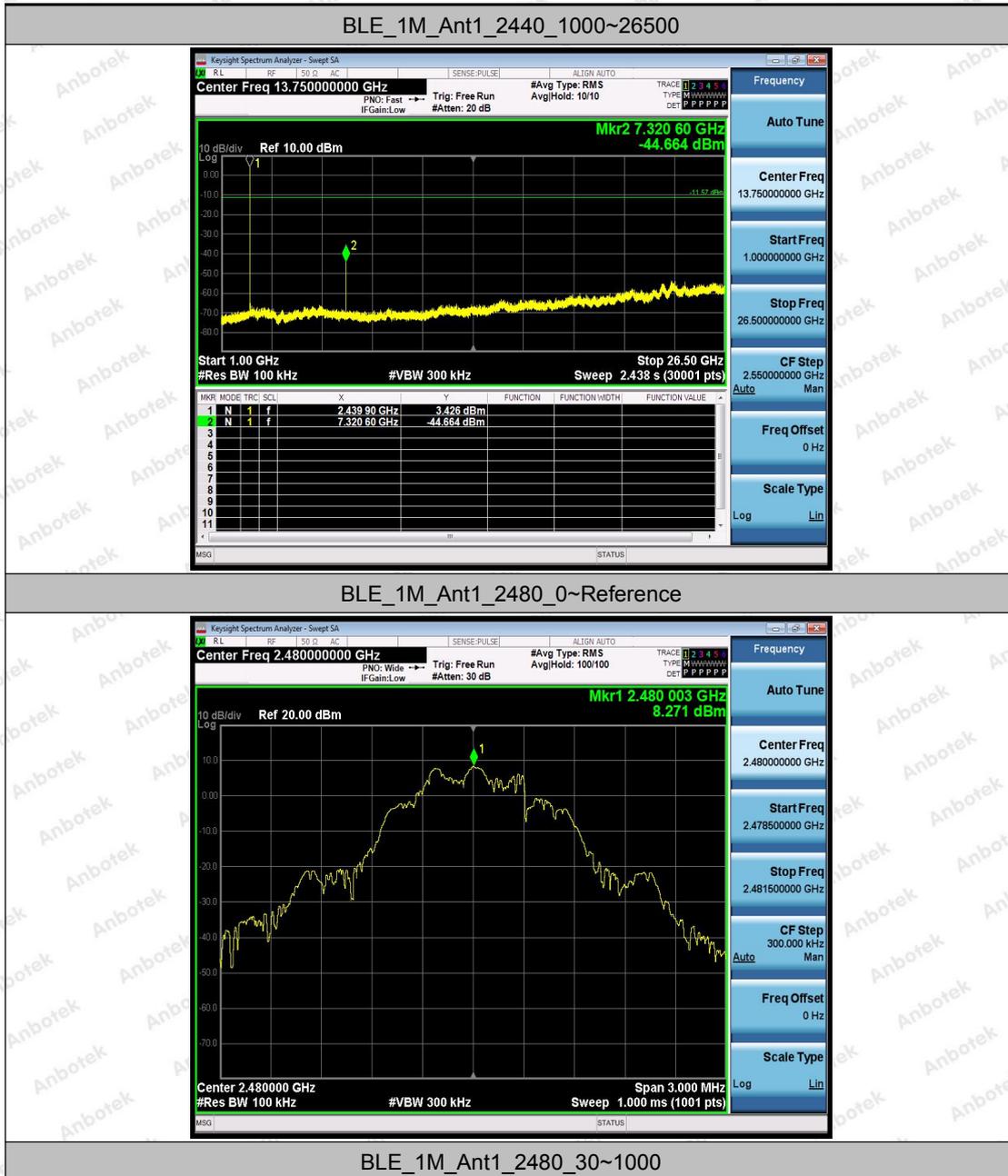


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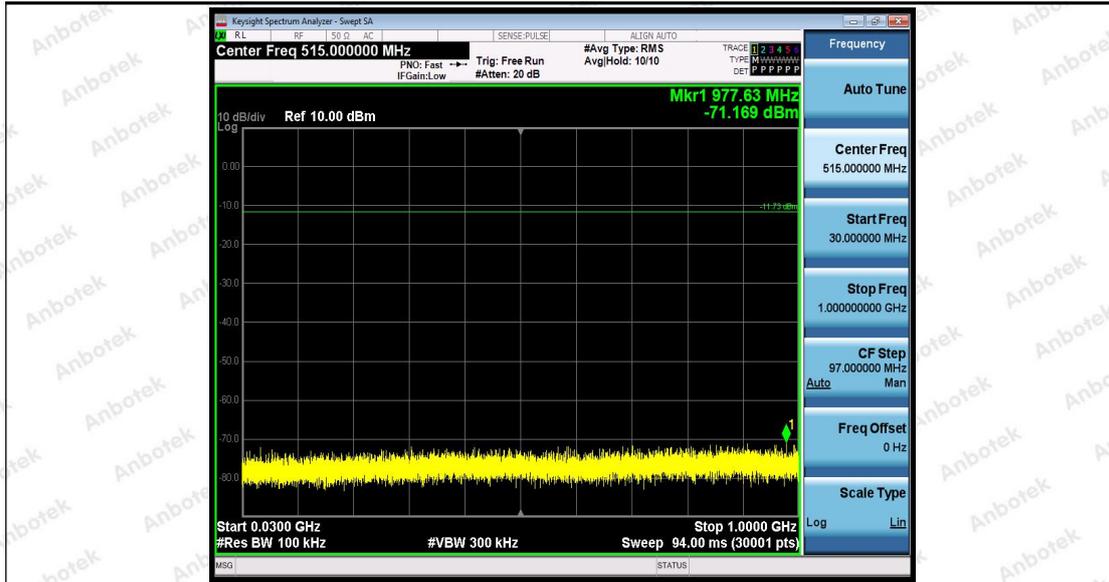


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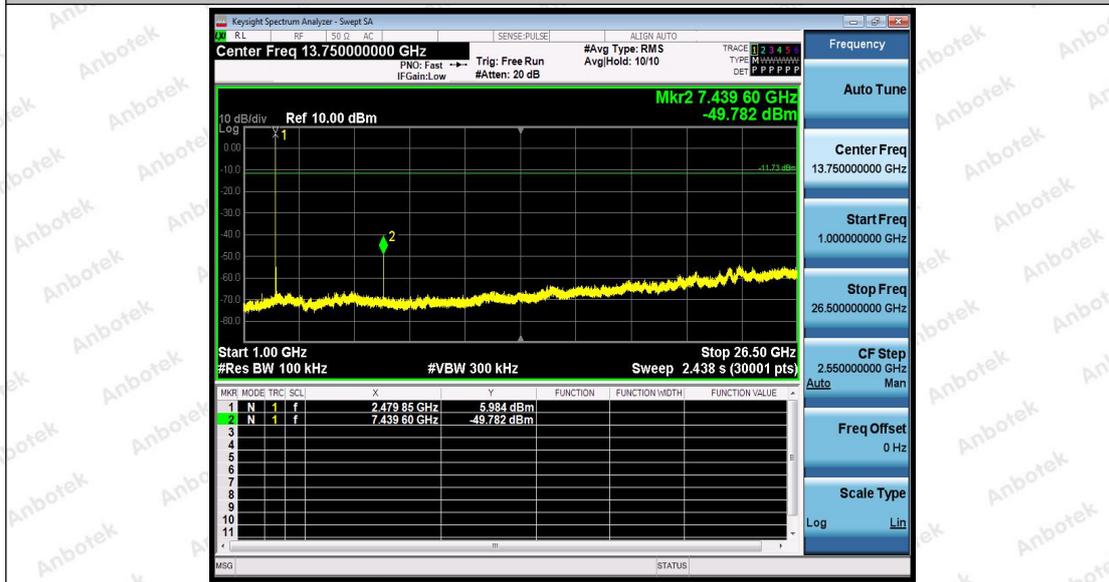
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BLE_1M_Ant1_2480_1000~26500



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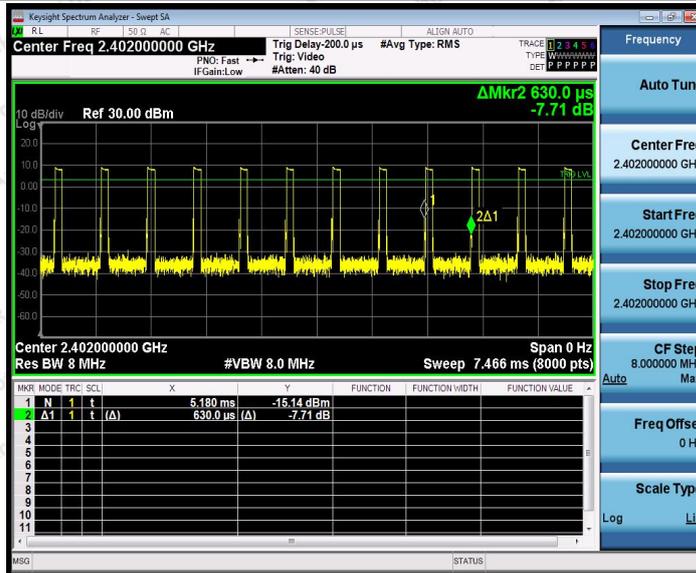
Appendix G: Duty Cycle

Test Result

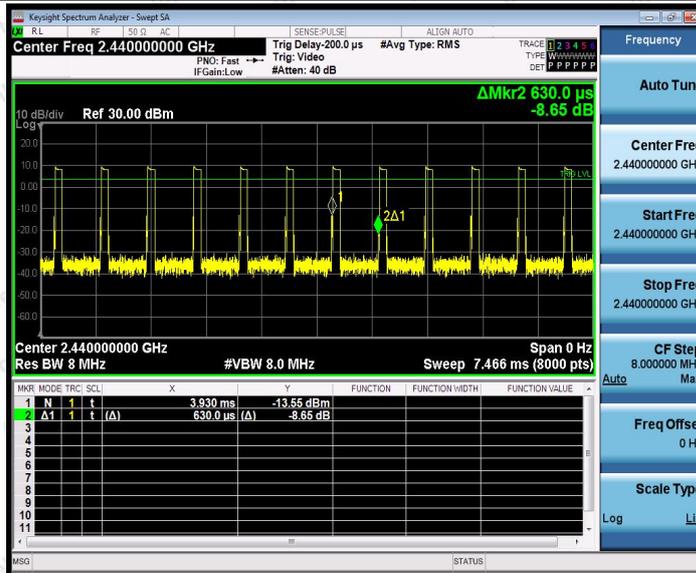
TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.09	0.63	0.1429	14.29	8.45	---	PASS
		2440	0.09	0.63	0.1429	14.29	8.45	---	PASS
		2480	0.09	0.63	0.1429	14.29	8.45	---	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



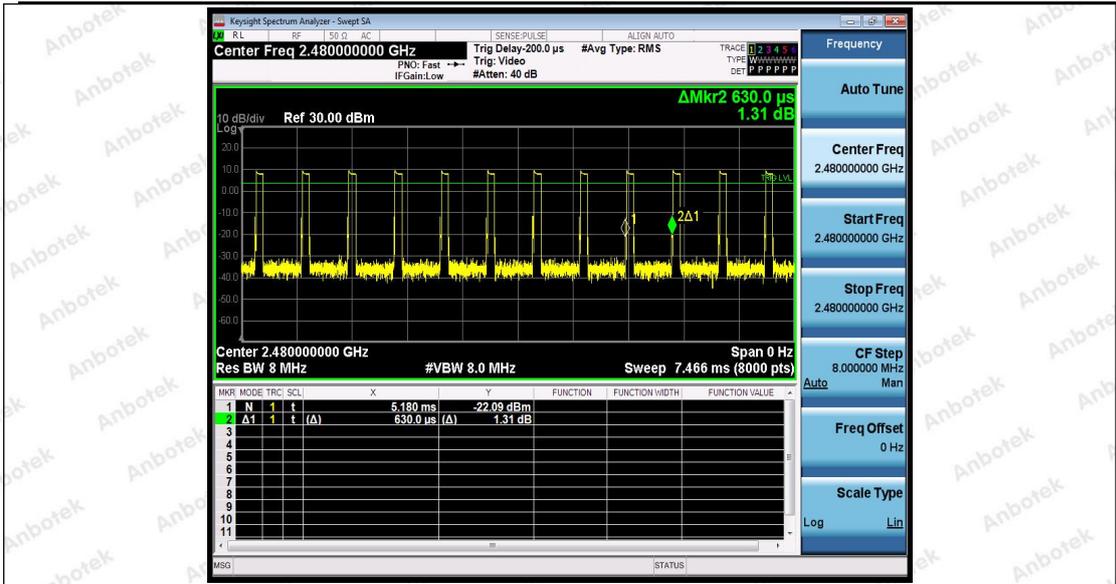
BLE_1M_Ant1_2480

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