

Appendix Test Data

Report No.:	18220WC20247901	Test Sample No.:	1-2-2
Start Test Date:	2022.10.18	Finish Test Date:	2022.10.21
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	27.3°C	Relative Humidity:	47 %
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.716	2401.640	2402.356	0.5	PASS
		2440	0.692	2439.664	2440.356	0.5	PASS
		2480	0.700	2479.652	2480.352	0.5	PASS



Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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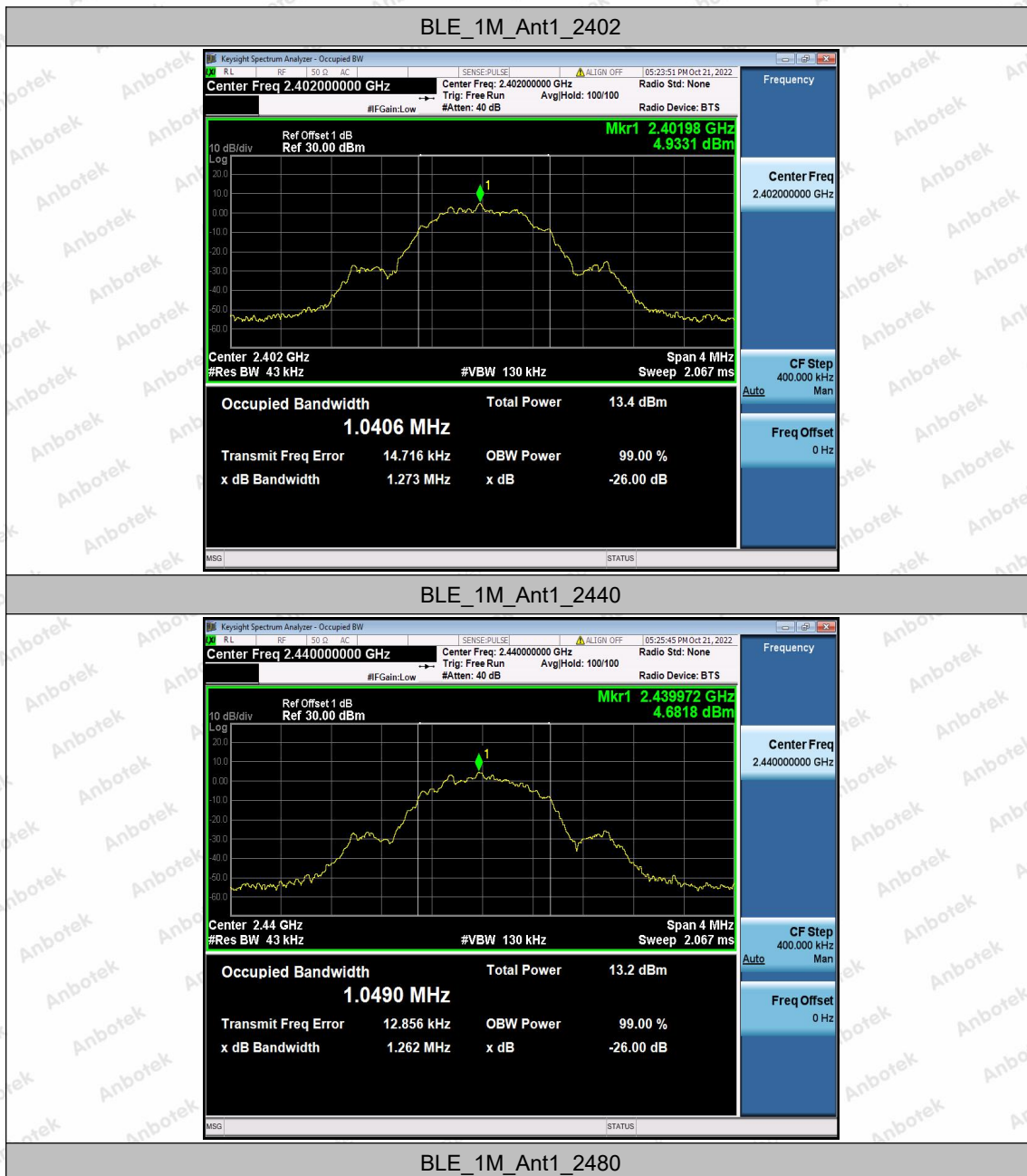
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0406	2401.4944	2402.5350
		2440	1.0490	2439.4884	2440.5374
		2480	1.0443	2479.4917	2480.5360



Test Graphs



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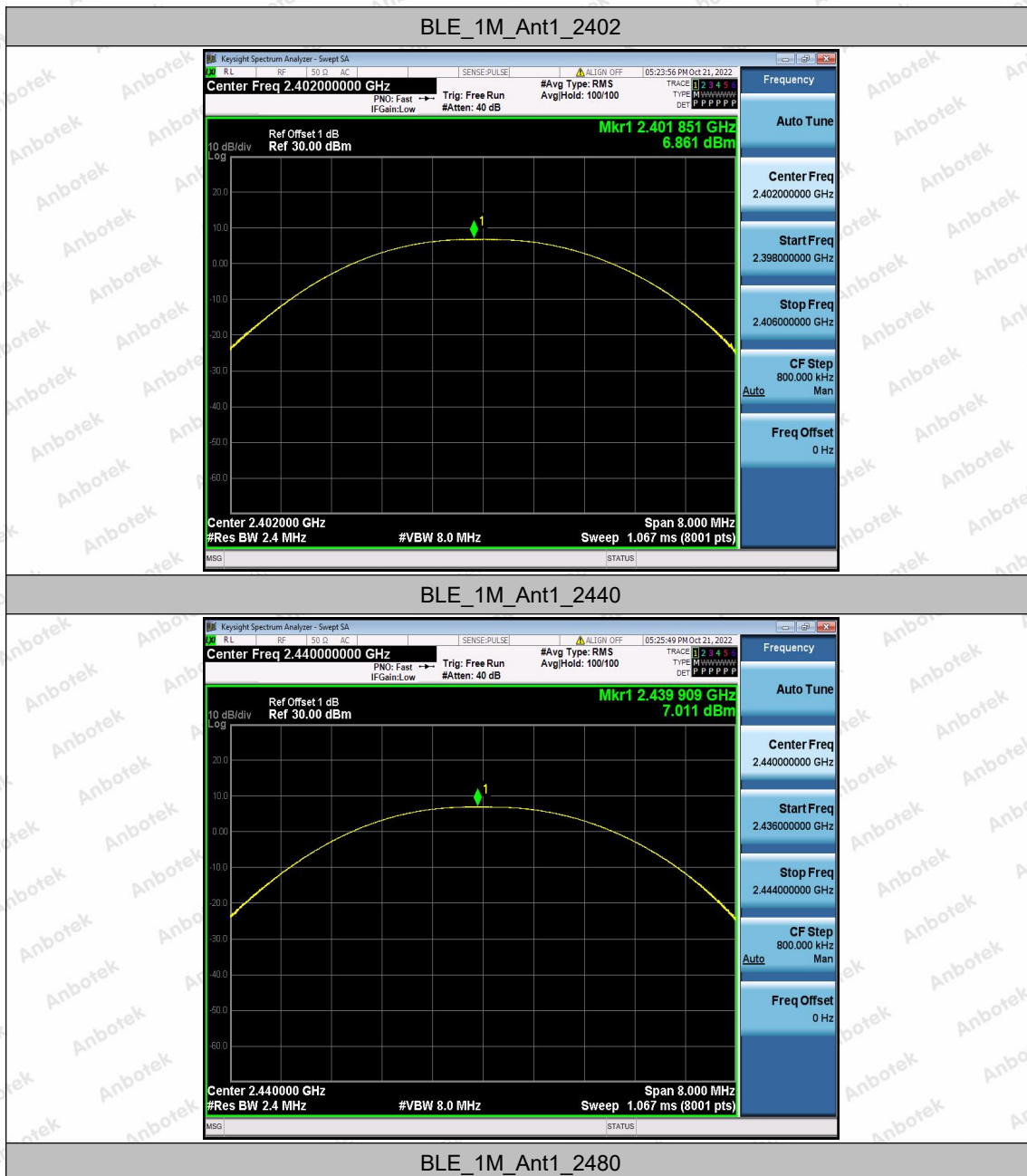
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	6.86	≤30	PASS
		2440	7.01	≤30	PASS
		2480	6.95	≤30	PASS



Test Graphs Peak



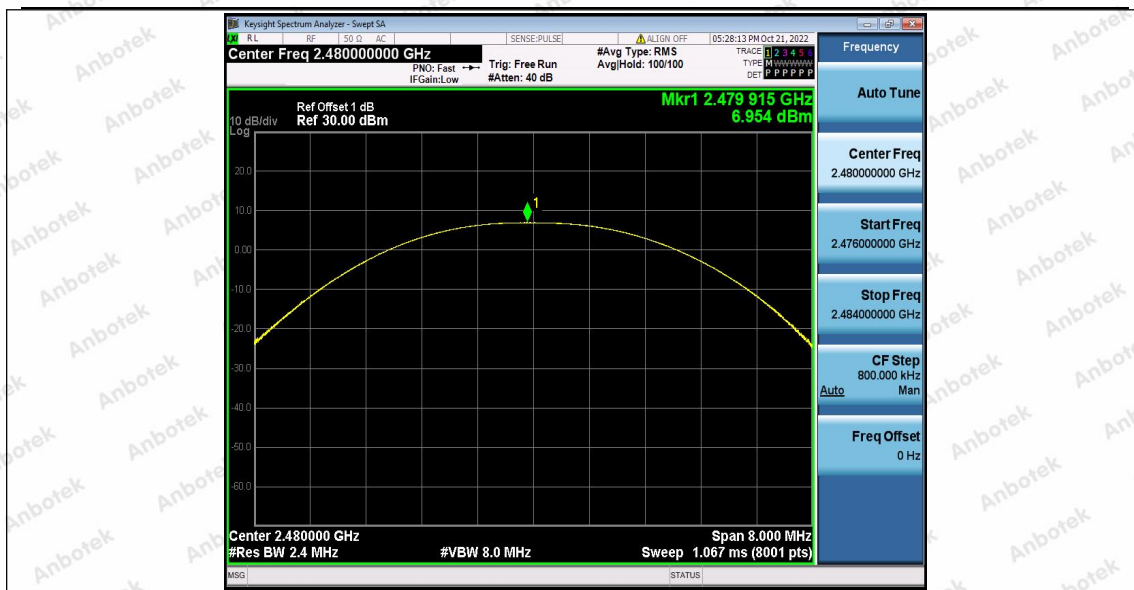
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Appendix D: Maximum power spectral density

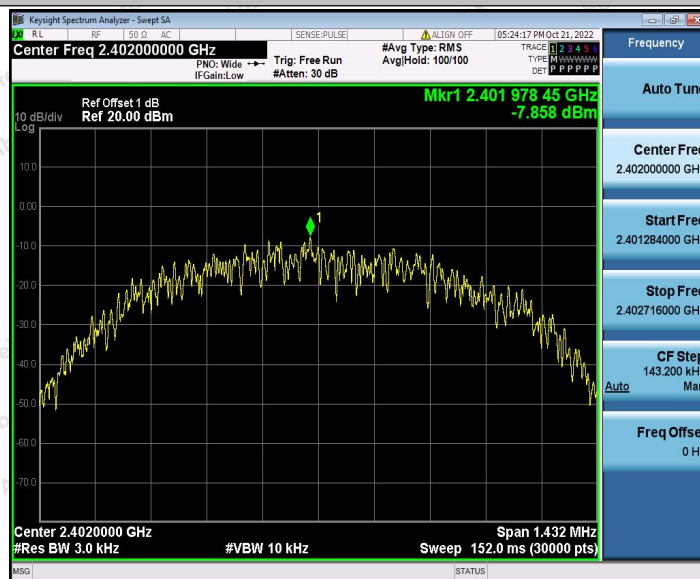
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-7.86	≤8.00	PASS
		2440	-7.26	≤8.00	PASS
		2480	-9.24	≤8.00	PASS



Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

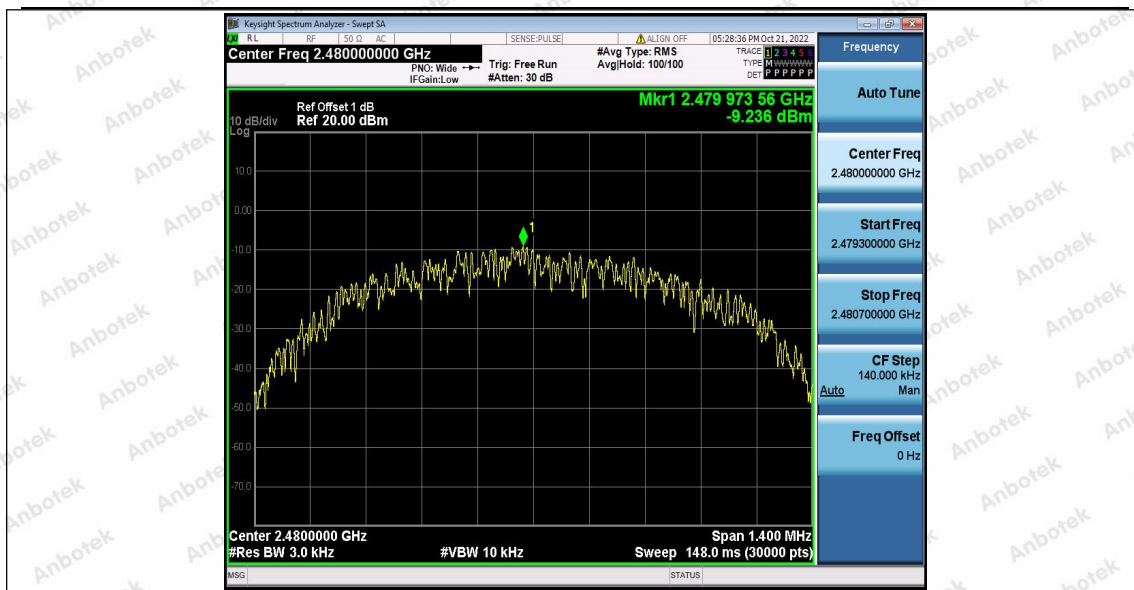
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Appendix E: Band edge measurements

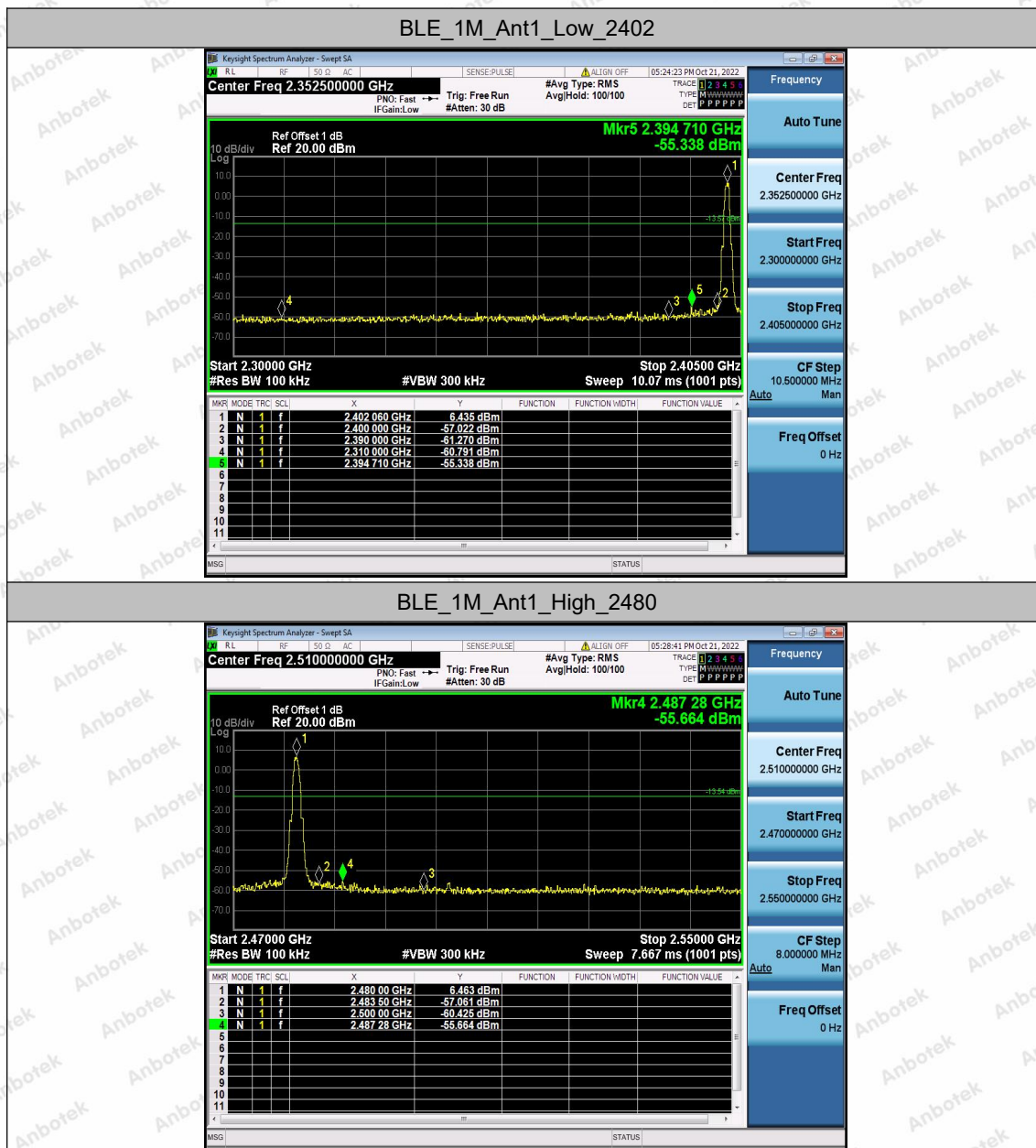
Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	6.44	-55.34	≤-13.57	PASS
		High	2480	6.46	-55.66	≤-13.54	PASS



Appendix F: Conducted Spurious Emission

Test Graphs



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Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	5.68	5.68	---	PASS
			30~1000	5.68	-68.71	≤-14.32	PASS
			1000~26500	5.68	-52.89	≤-14.32	PASS
		2440	Reference	4.99	4.99	---	PASS
			30~1000	4.99	-68.62	≤-15.01	PASS
			1000~26500	4.99	-53.72	≤-15.01	PASS
		2480	Reference	5.65	5.65	---	PASS
			30~1000	5.65	-69.67	≤-14.35	PASS
			1000~26500	5.65	-51.91	≤-14.35	PASS

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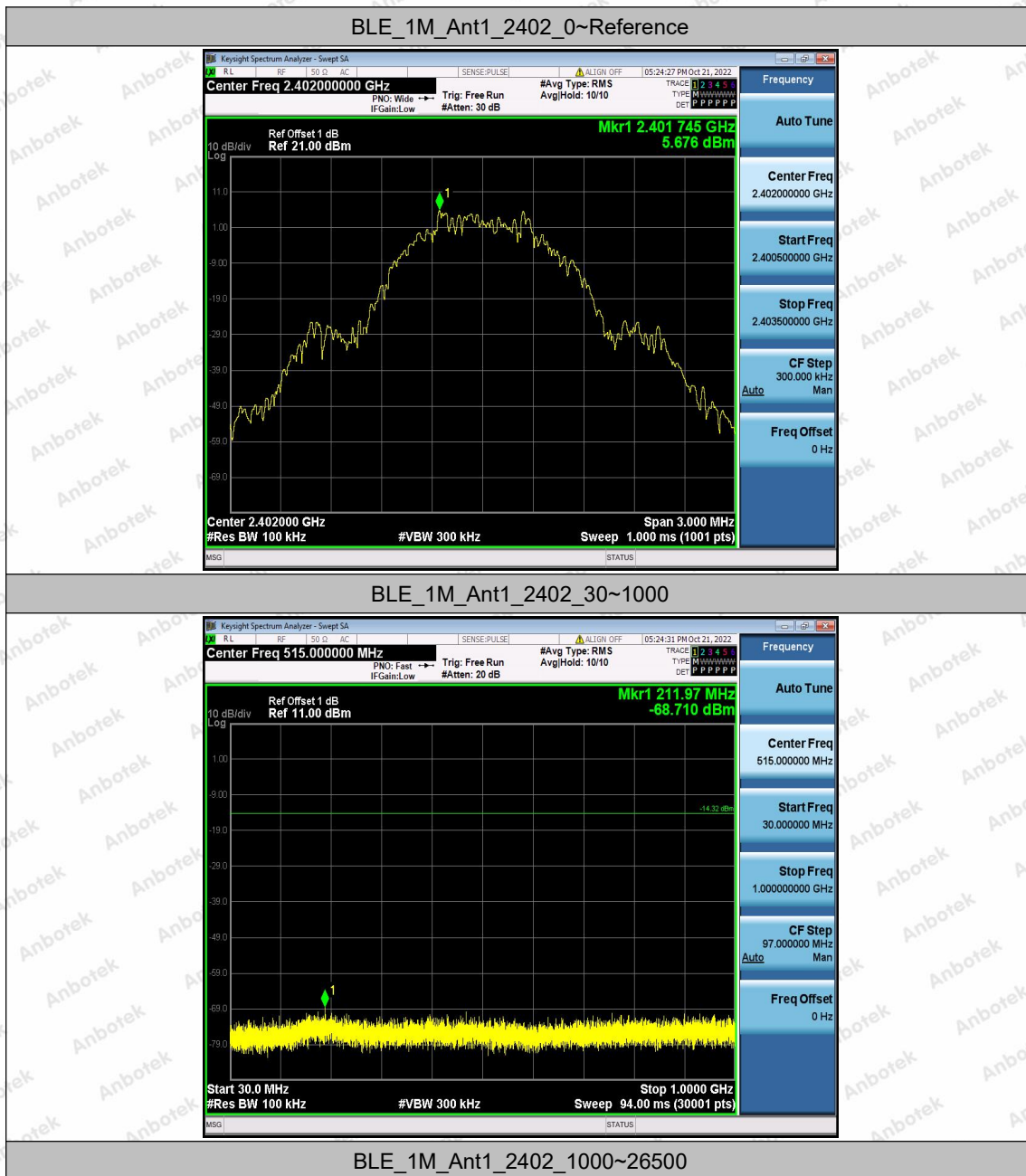
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Test Graphs



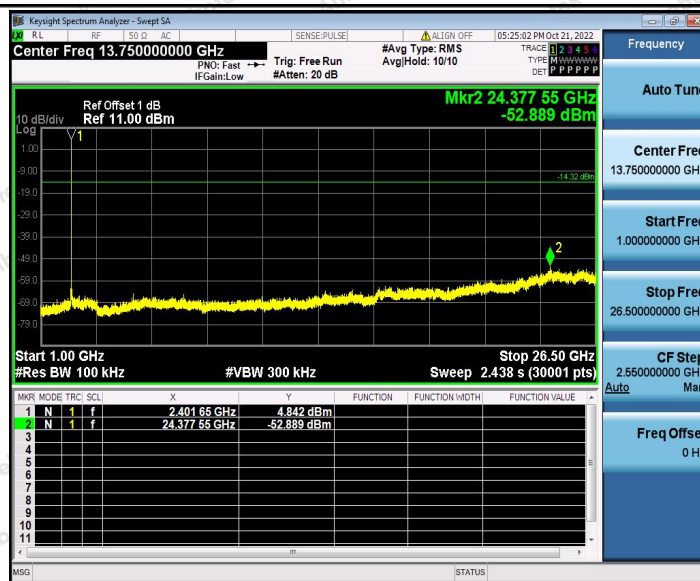
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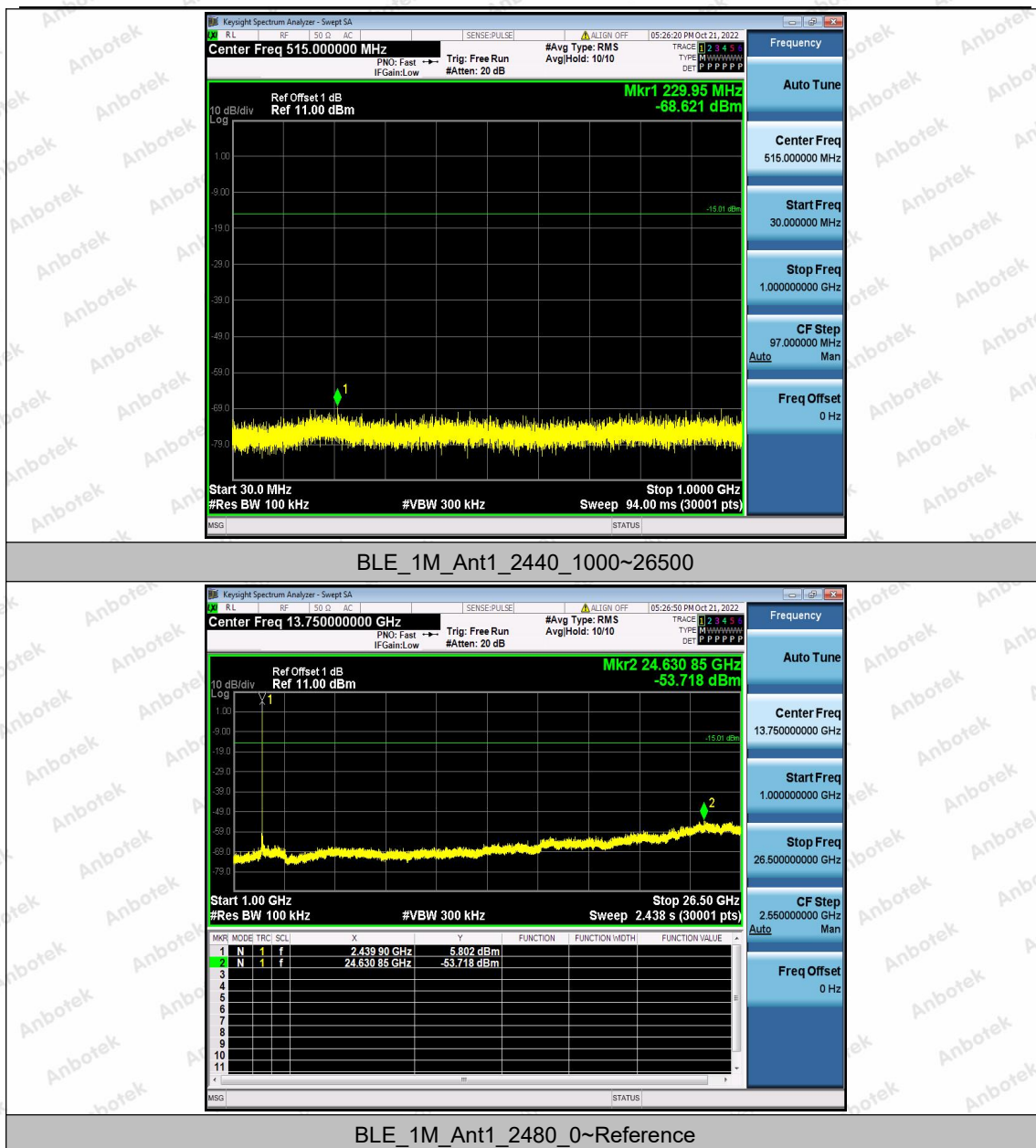


BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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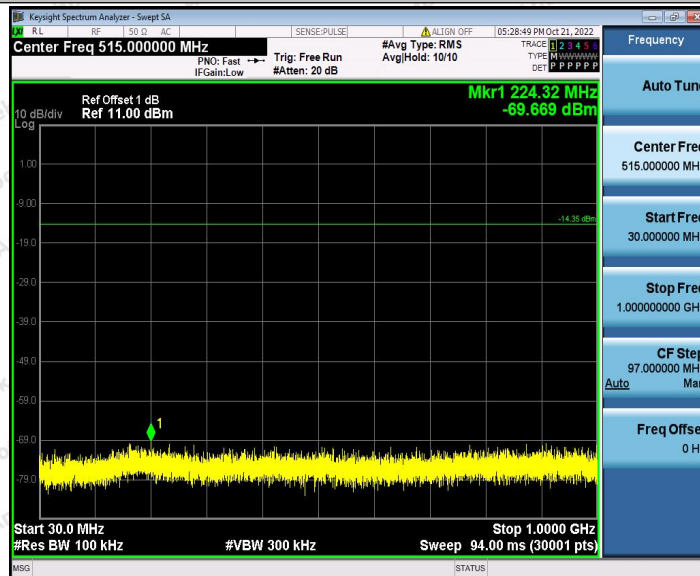


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BLE_1M_Ant1_2480_30~1000



BLE_1M_Ant1_2480_1000~26500

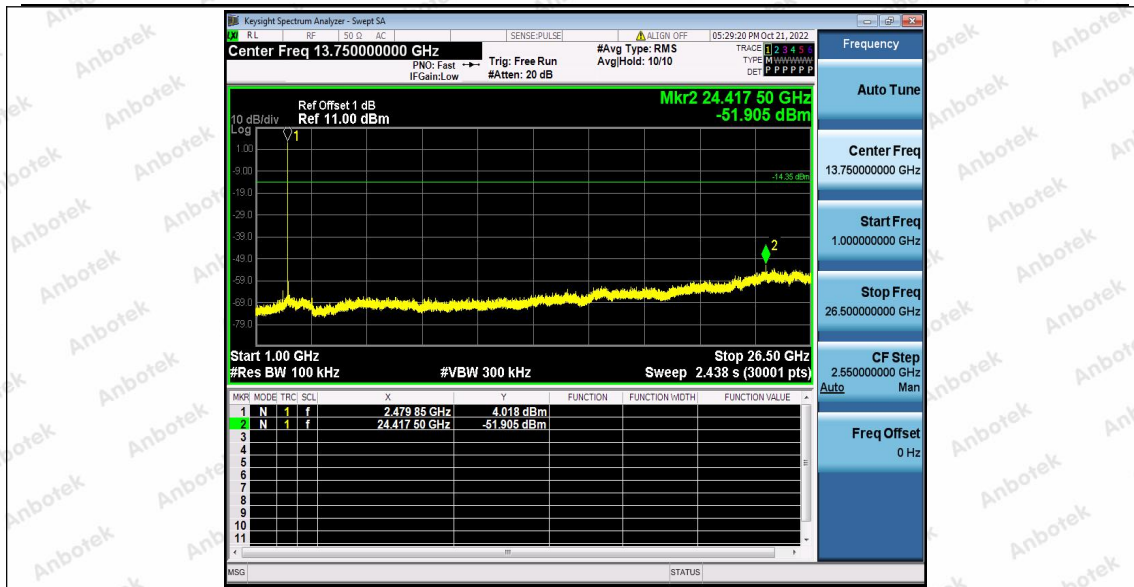
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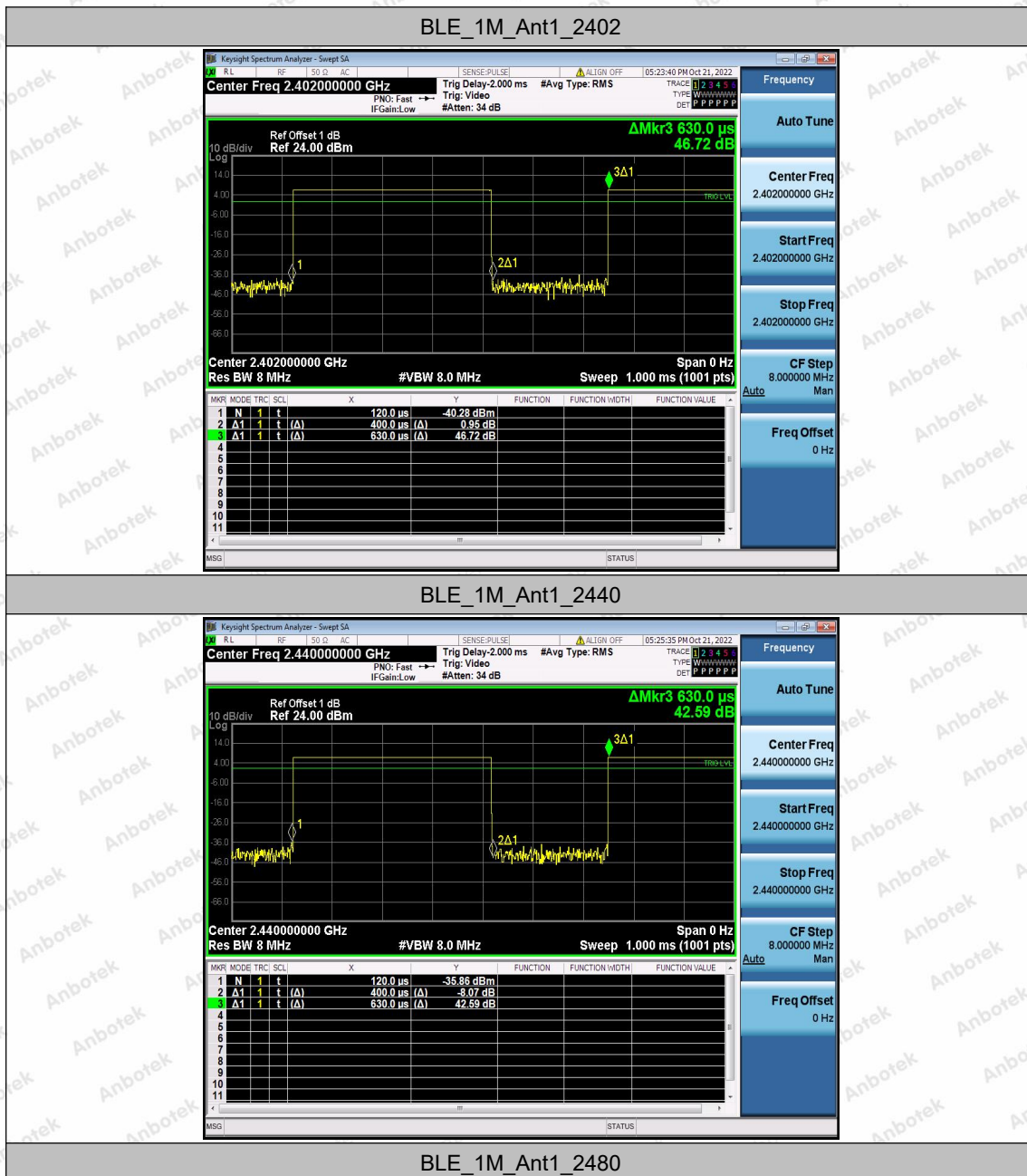
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.40	0.63	63.49	1.97
		2440	0.40	0.63	63.49	1.97
		2480	0.40	0.63	63.49	1.97



Test Graphs



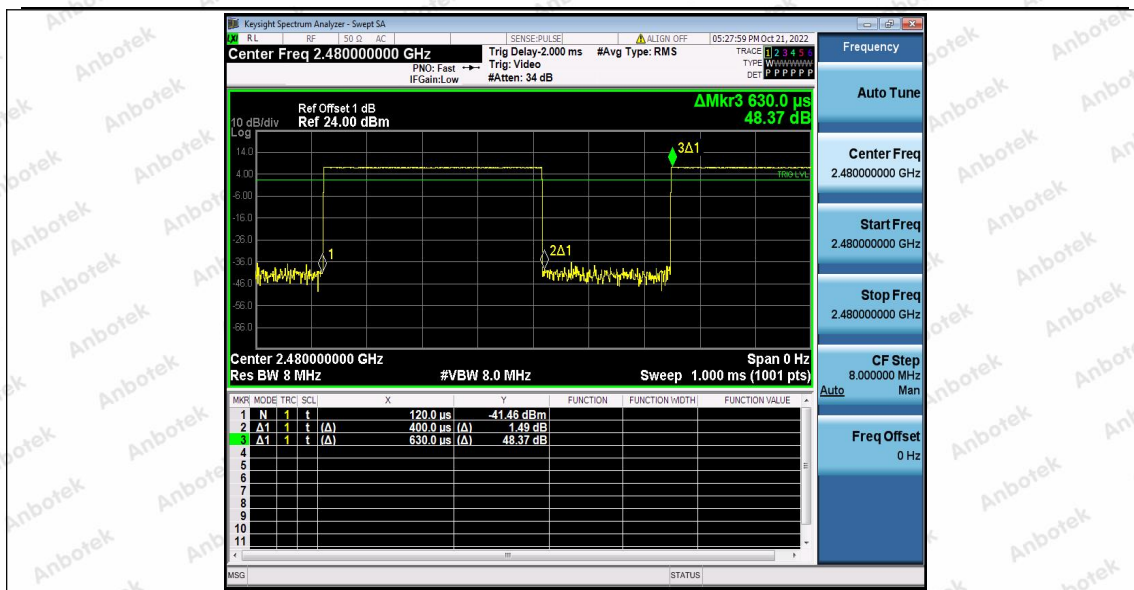
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