

Appendix Test Data

Report No:	18220WC20288501	Test Sample NO:	1-2-2
Start Test Date :	2022.12.19	Finish Test Date:	2022.12.26
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3C°	Relative Humidity:	40%
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	0.688	2401.668	2402.356	0.5	PASS
		2440	0.696	2439.672	2440.368	0.5	PASS
		2480	0.708	2479.676	2480.384	0.5	PASS



Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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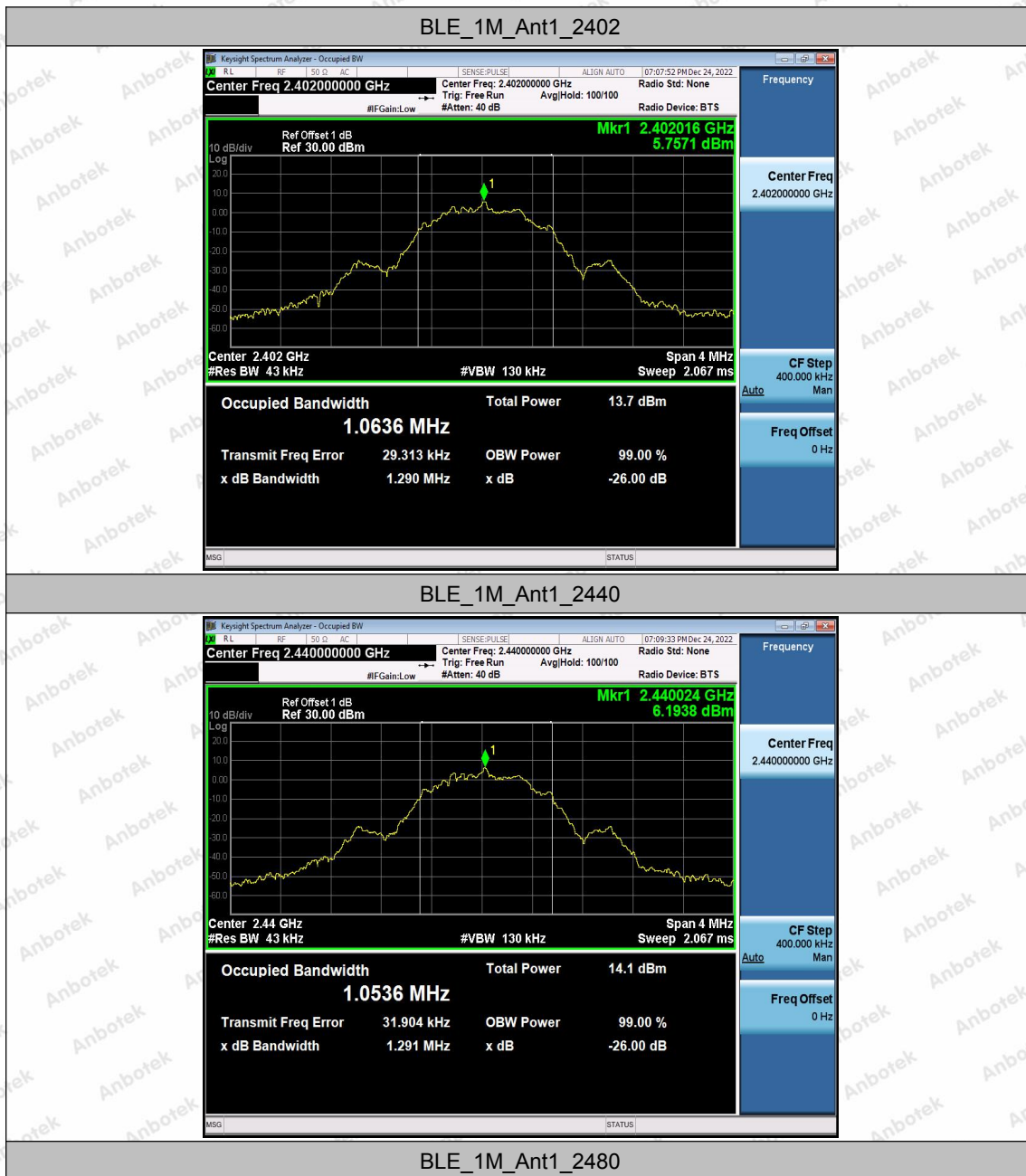
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0636	2401.4975	2402.5611
		2440	1.0536	2439.5051	2440.5587
		2480	1.0601	2479.5086	2480.5687



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	6.93	≤30	PASS
		2440	7.26	≤30	PASS
		2480	5.76	≤30	PASS



Test Graphs Peak



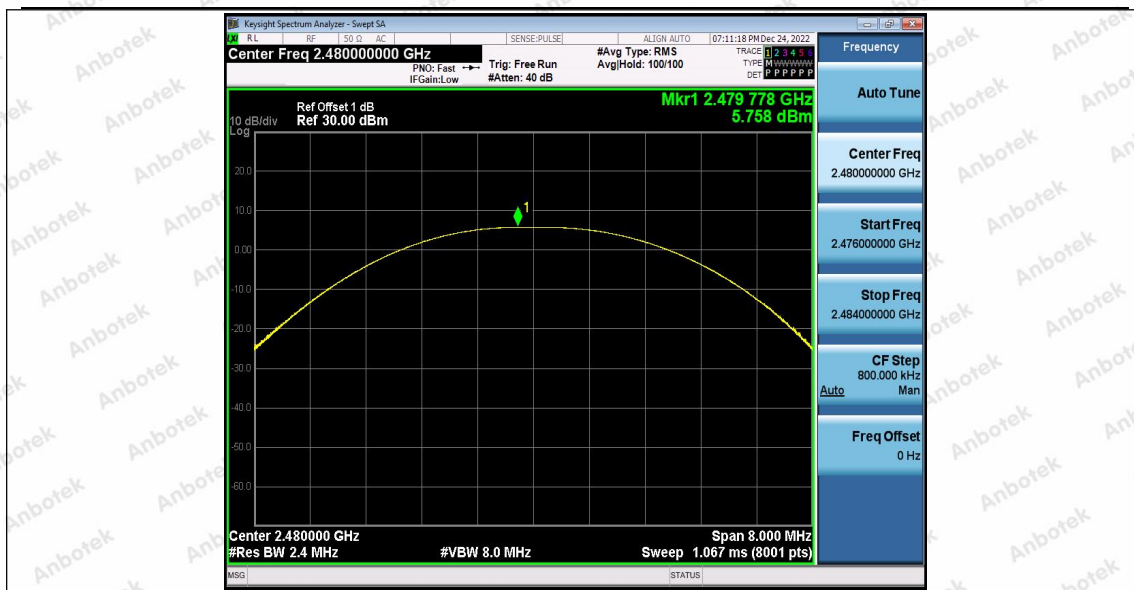
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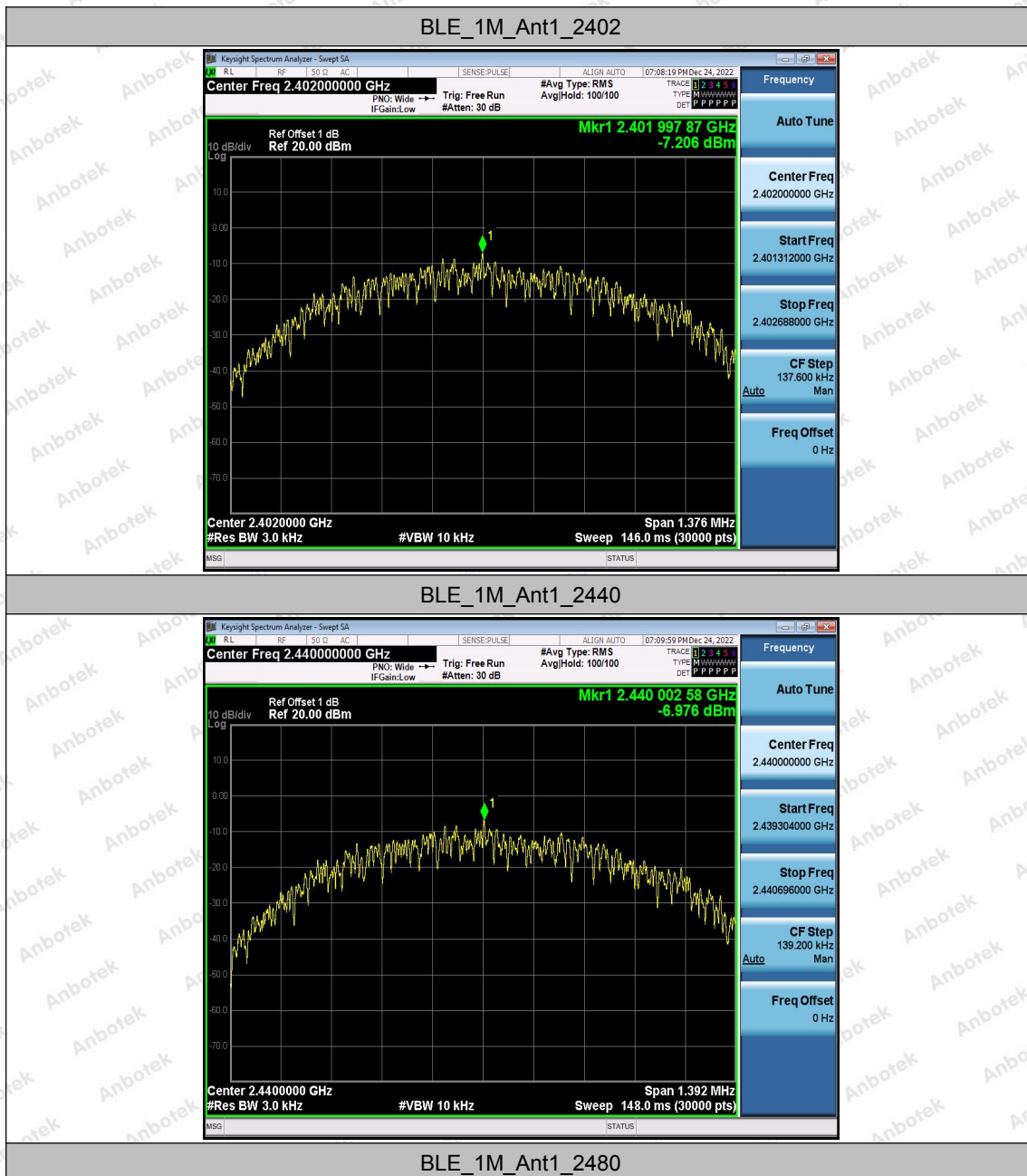
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-7.21	≤8.00	PASS
		2440	-6.98	≤8.00	PASS
		2480	-8.52	≤8.00	PASS



Test Graphs



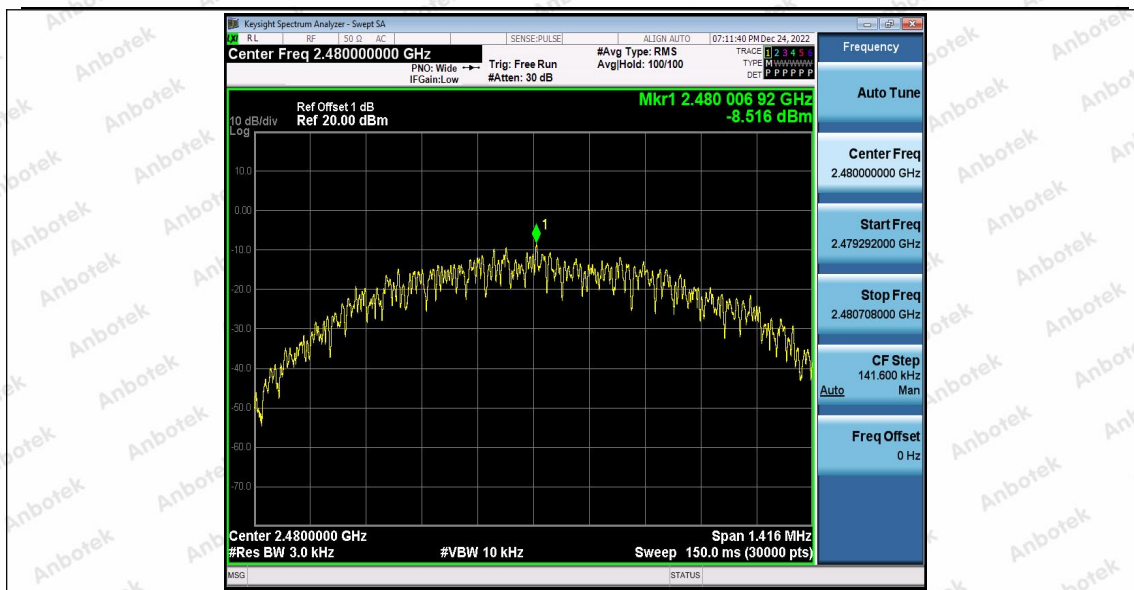
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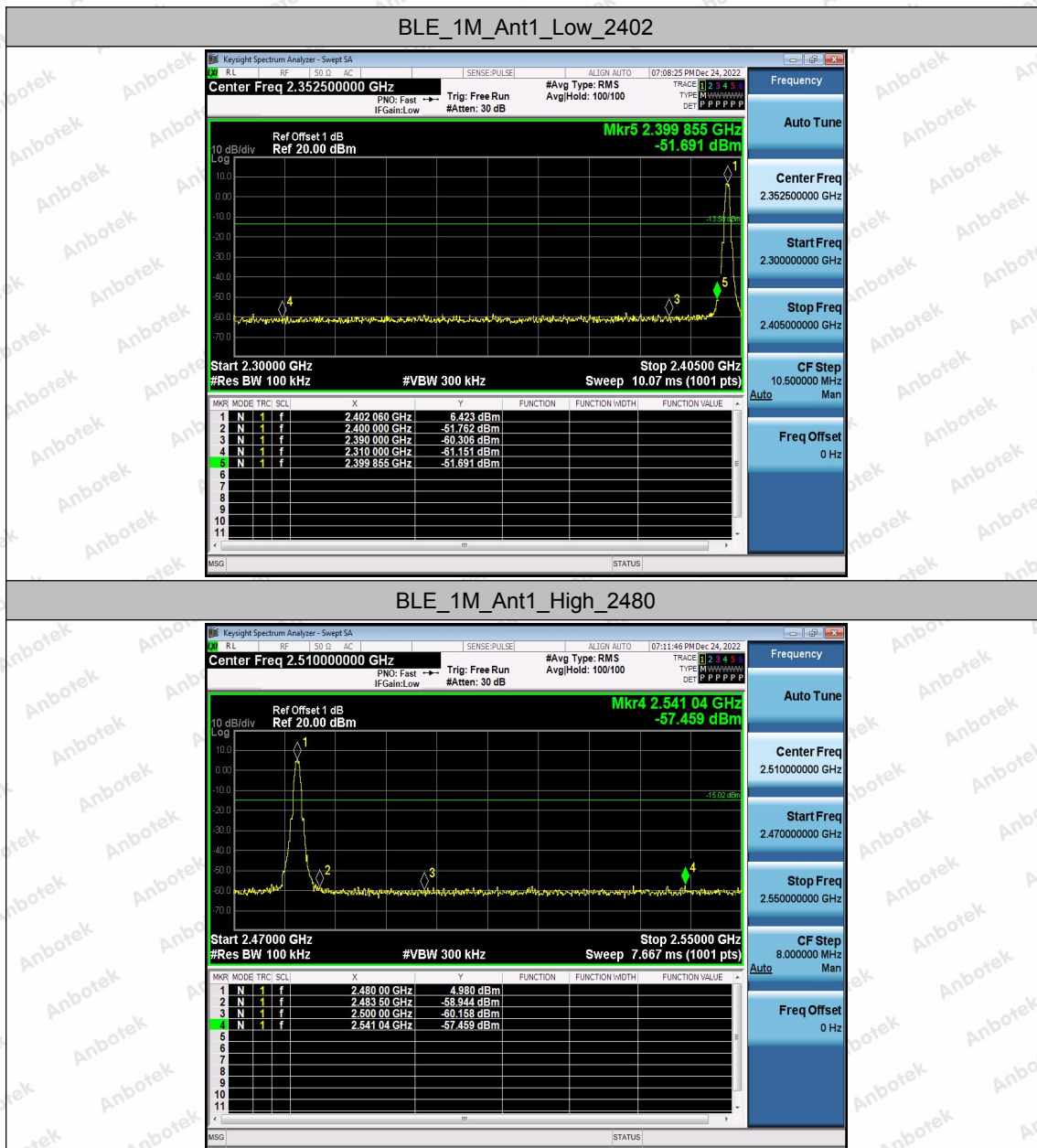
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	6.42	-51.69	≤-13.58	PASS
		High	2480	4.98	-57.46	≤-15.02	PASS



Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	5.13	5.13	---	PASS
			30~1000	5.13	-68.47	≤-14.87	PASS
			1000~26500	5.13	-52.33	≤-14.87	PASS
		2440	Reference	6.63	6.63	---	PASS
			30~1000	6.63	-69	≤-13.37	PASS
			1000~26500	6.63	-52.24	≤-13.37	PASS
		2480	Reference	4.71	4.71	---	PASS
			30~1000	4.71	-69.26	≤-15.29	PASS
			1000~26500	4.71	-52.28	≤-15.29	PASS

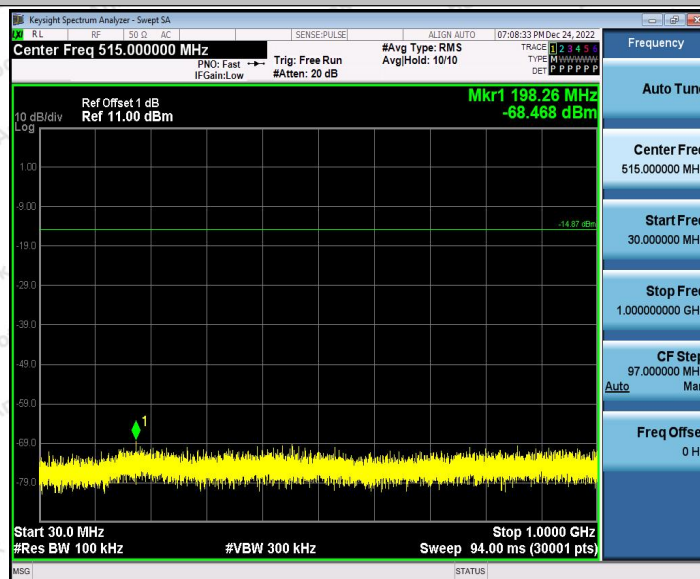


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

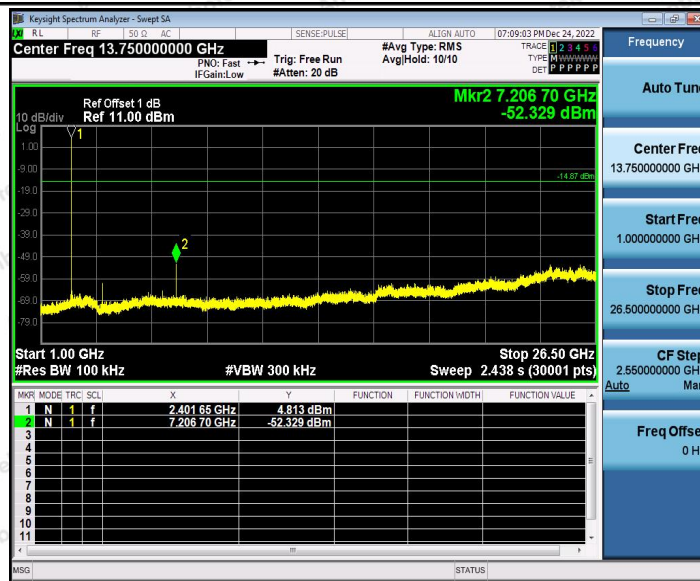
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000

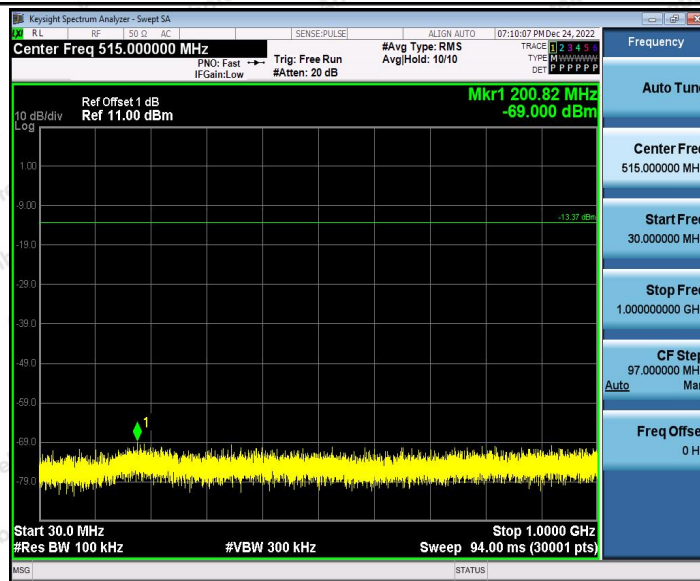
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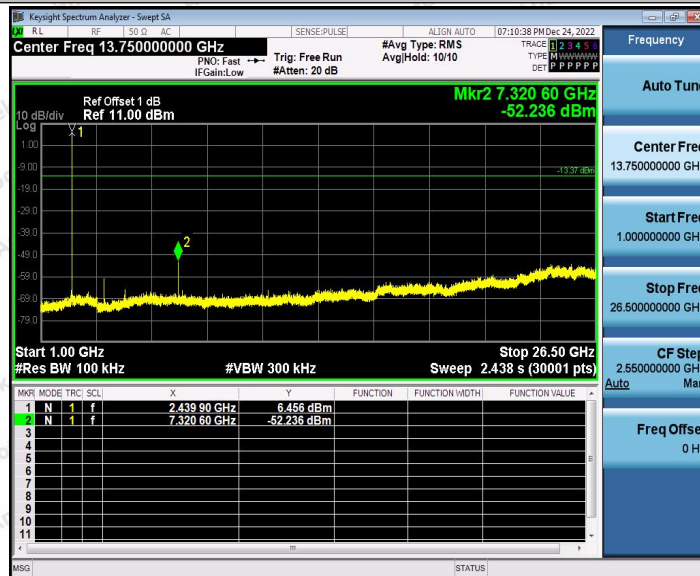


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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

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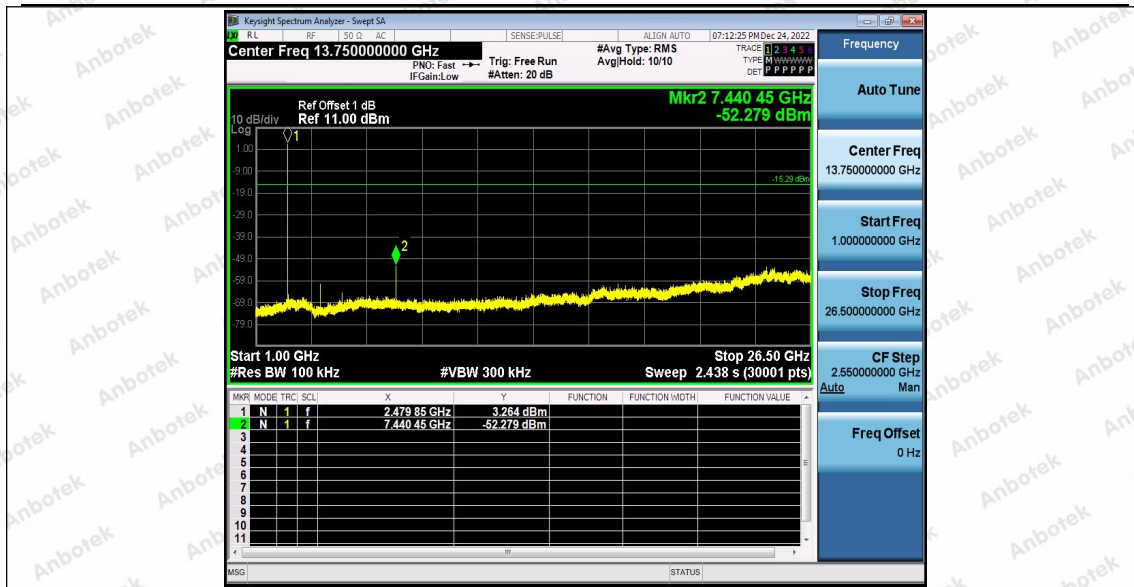
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Appendix G: Duty Cycle

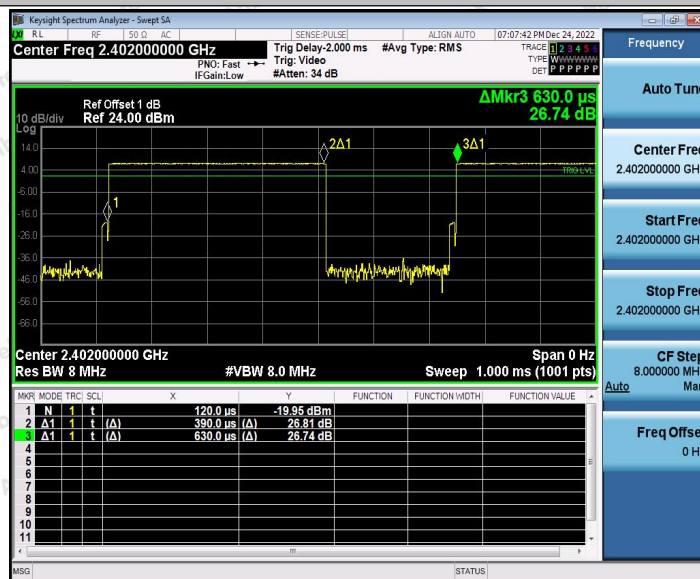
Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.39	0.63	61.90	2.08
		2440	0.39	0.63	61.90	2.08
		2480	0.39	0.63	61.90	2.08

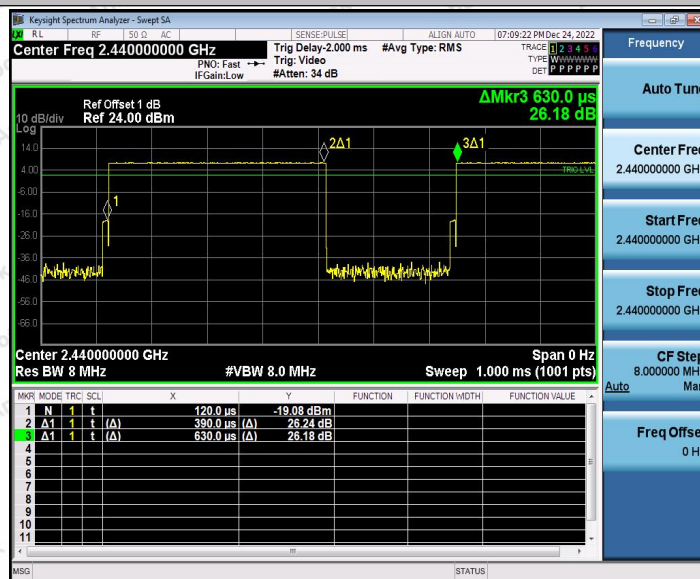


Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

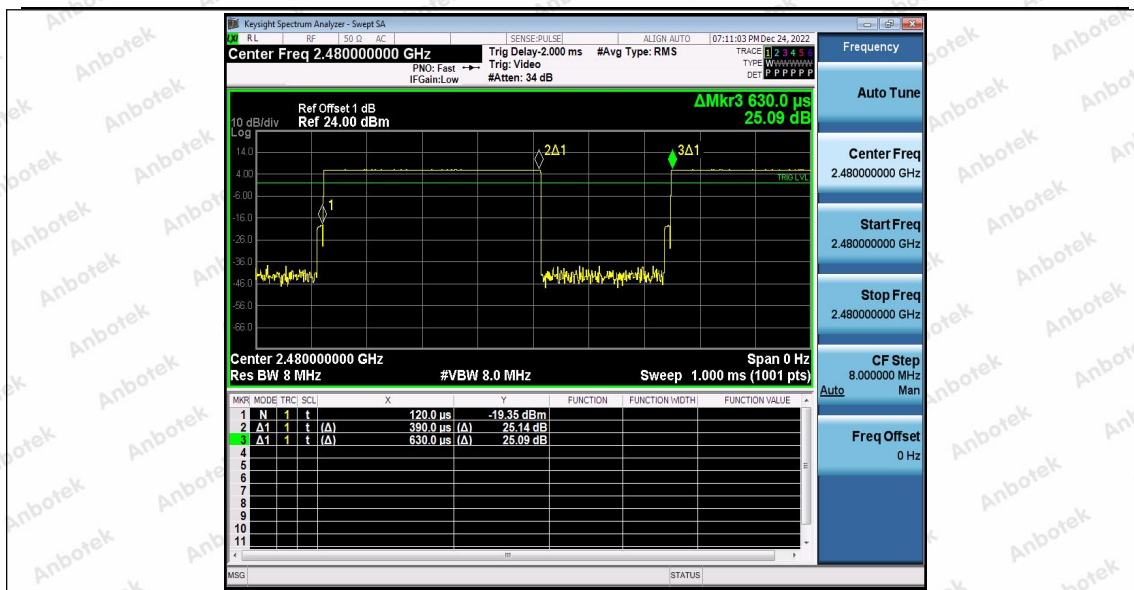
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