

Appendix Test Data

Report No.:	18220WC20235302	Test Sample No.:	1-2-2
Start Test Date:	2022.10.8	Finish Test Date:	2022.10.9
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	0.656	2401.672	2402.328	0.5	PASS
		2440	0.696	2439.652	2440.348	0.5	PASS
		2480	0.688	2479.648	2480.336	0.5	PASS



Test Graphs



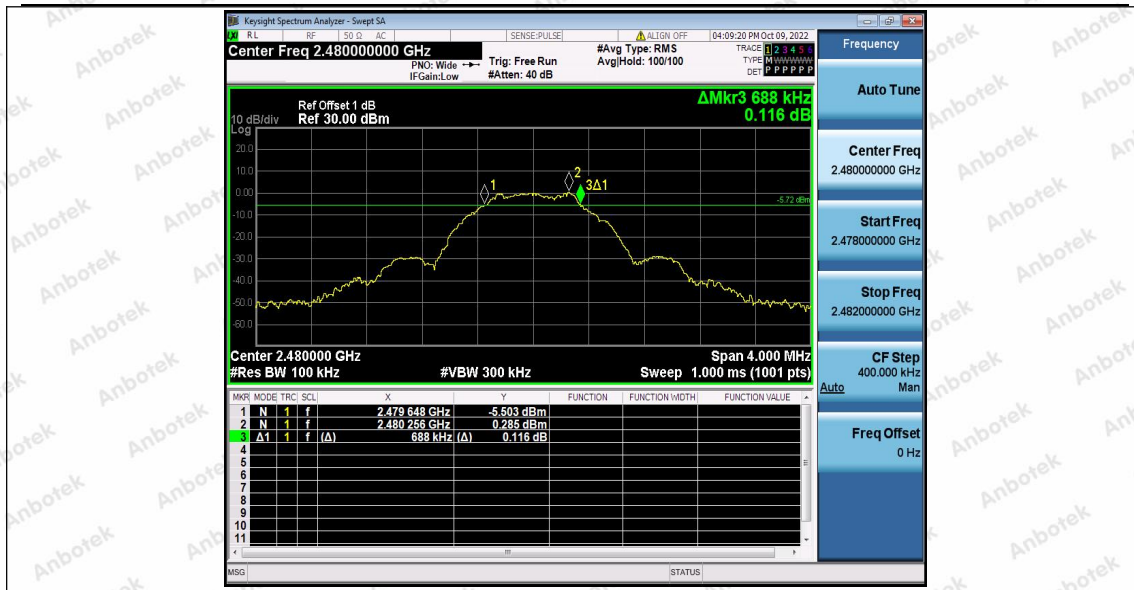
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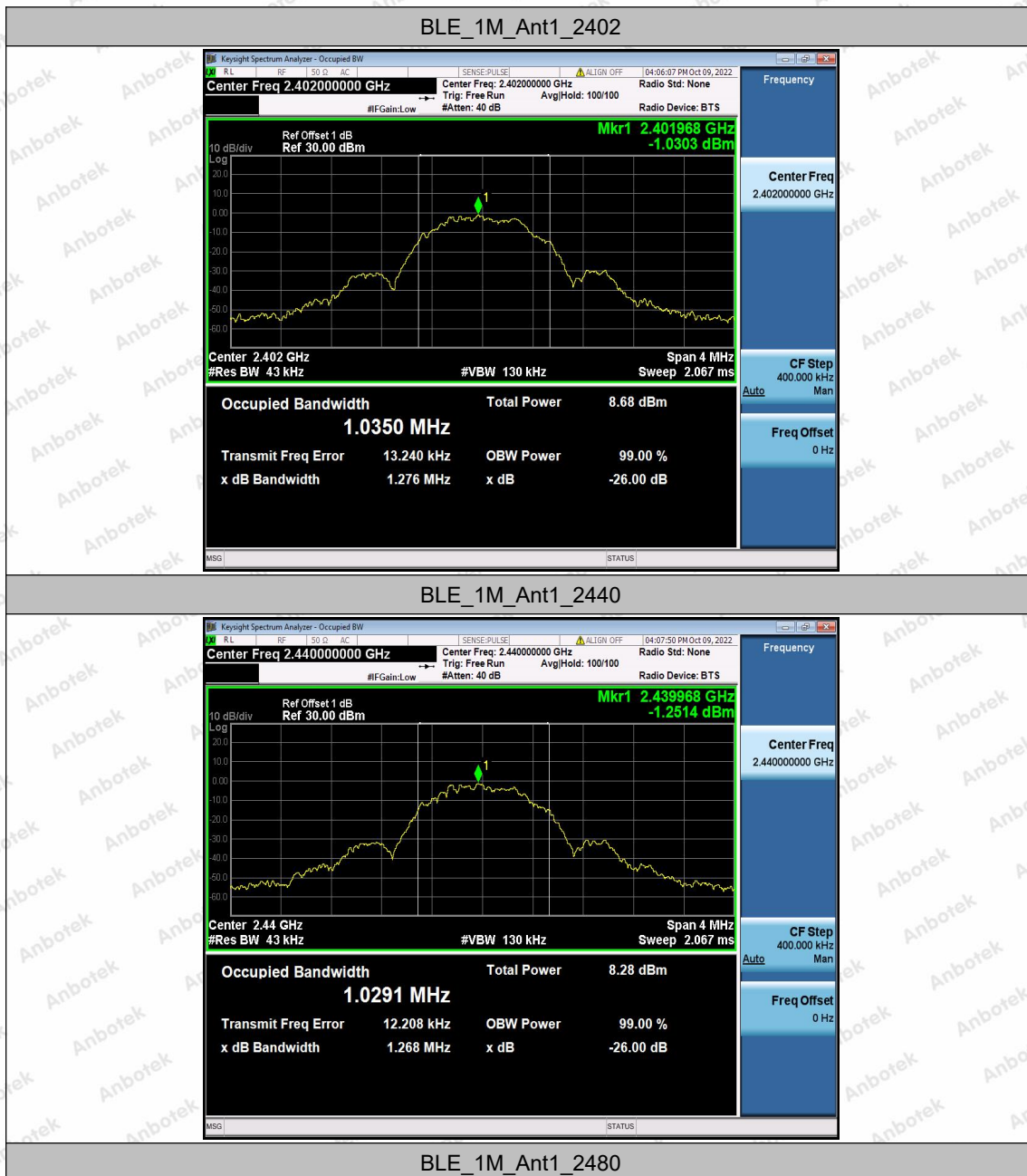
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0350	2401.4957	2402.5307
		2440	1.0291	2439.4977	2440.5268
		2480	1.0300	2479.4951	2480.5251



Test Graphs



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Appendix C: Maximum conducted output power

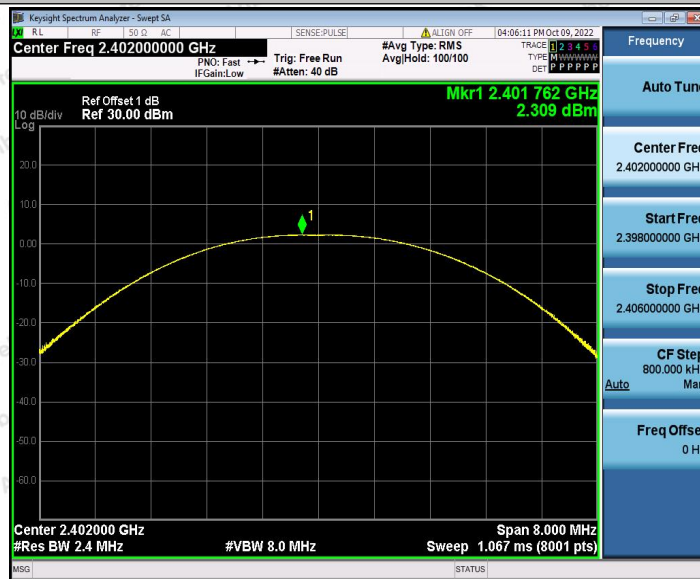
Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.31	≤30	PASS
		2440	1.97	≤30	PASS
		2480	1.29	≤30	PASS

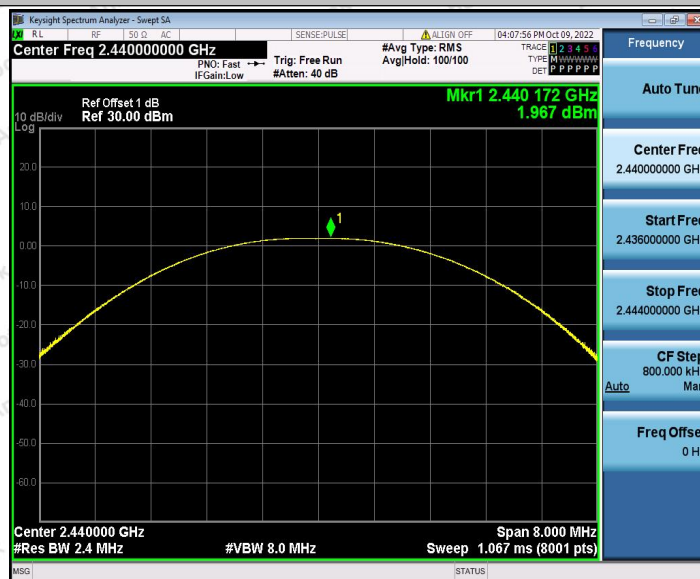


Test Graphs Peak

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

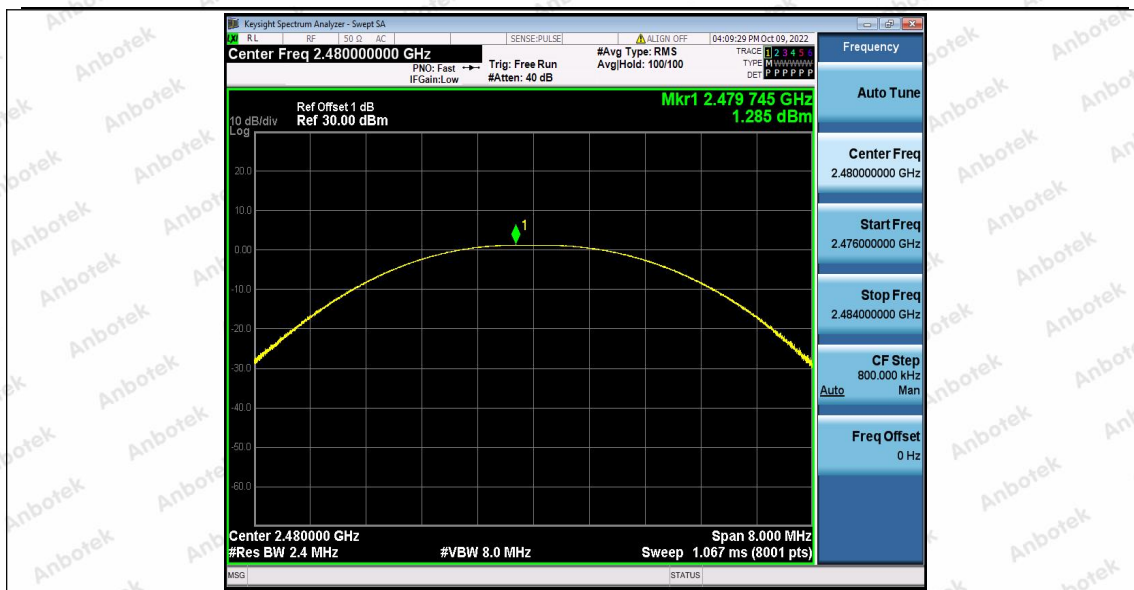
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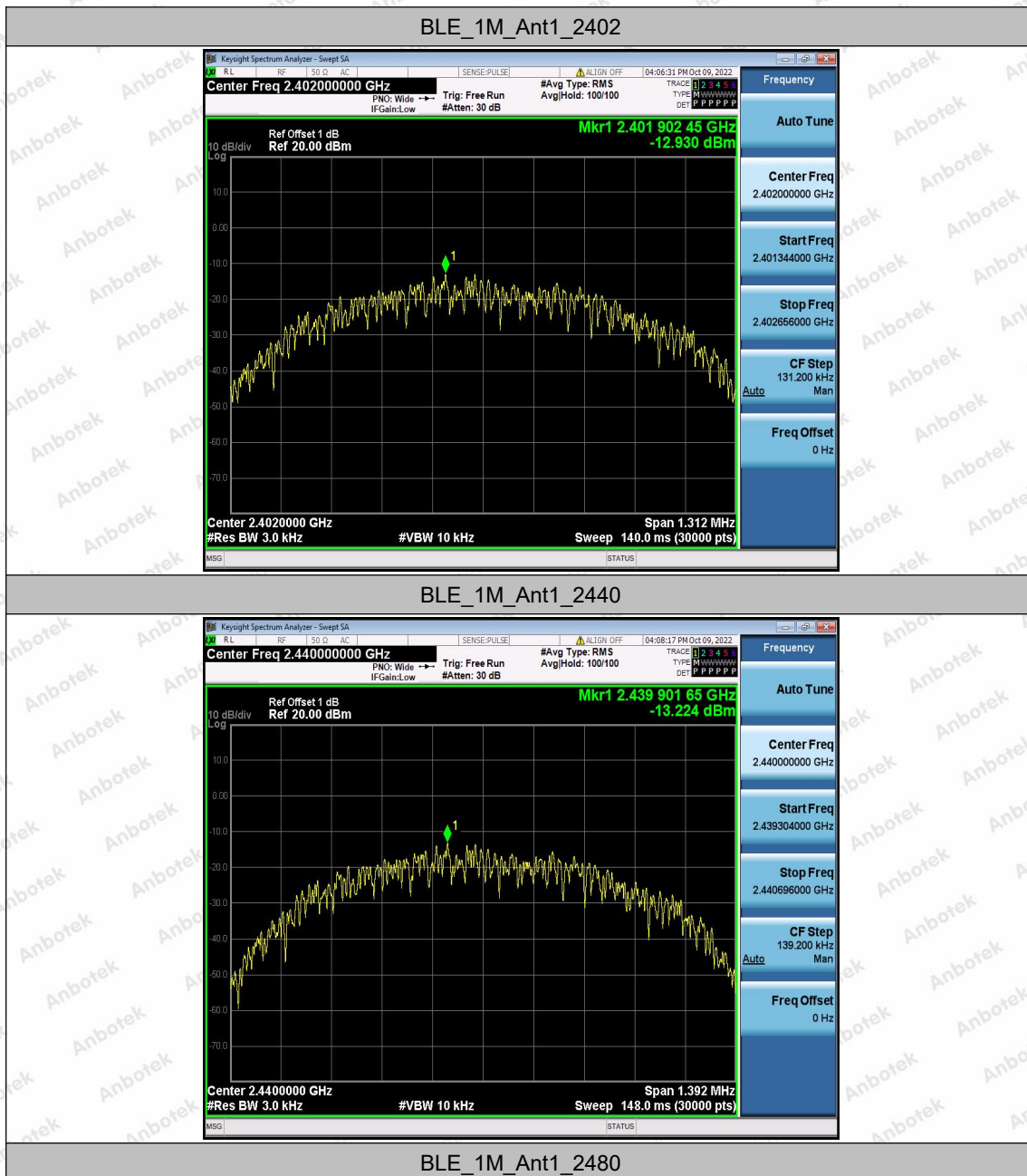
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.93	≤8.00	PASS
		2440	-13.22	≤8.00	PASS
		2480	-13.69	≤8.00	PASS



Test Graphs



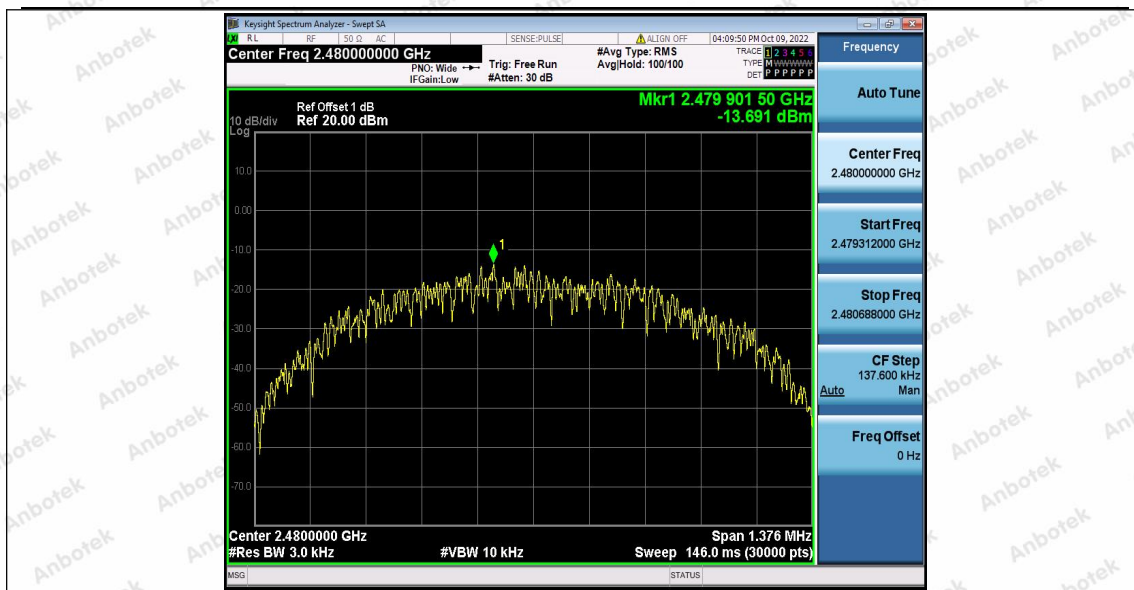
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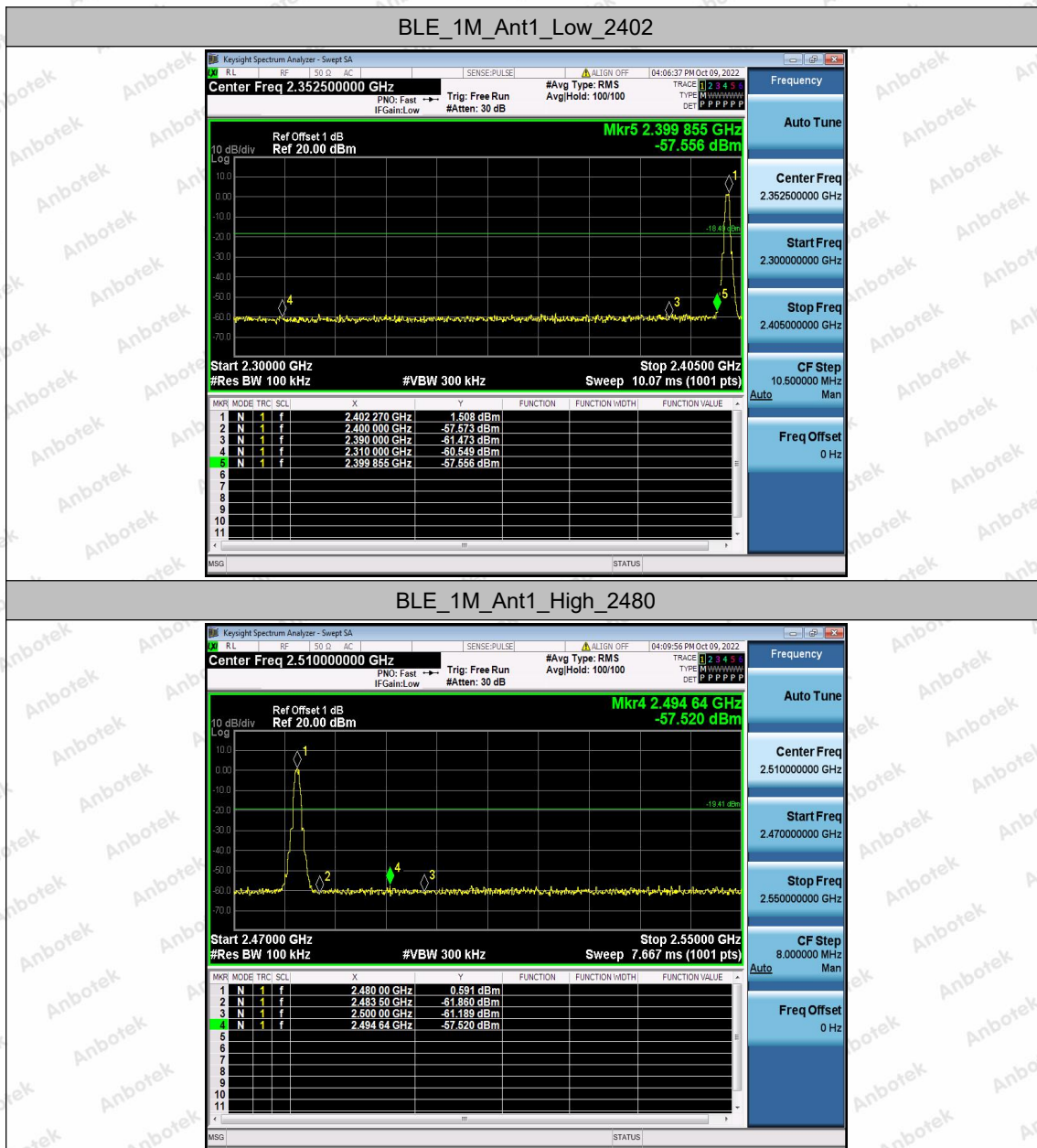
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.51	-57.56	≤-18.49	PASS
		High	2480	0.59	-57.52	≤-19.41	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	0.93	0.93	---	PASS
			30~1000	0.93	-69.49	≤-19.07	PASS
			1000~26500	0.93	-53.73	≤-19.07	PASS
		2440	Reference	0.81	0.81	---	PASS
			30~1000	0.81	-70	≤-19.19	PASS
			1000~26500	0.81	-53.52	≤-19.19	PASS
		2480	Reference	0.13	0.13	---	PASS
			30~1000	0.13	-69.28	≤-19.87	PASS
			1000~26500	0.13	-53.75	≤-19.87	PASS

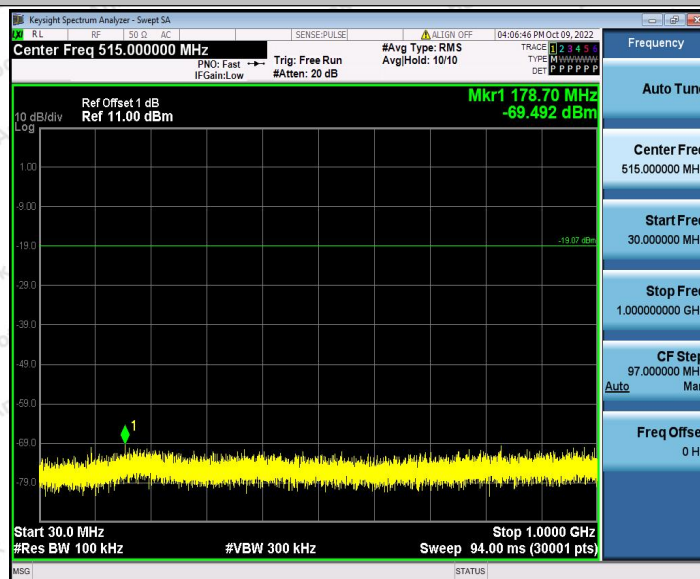


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

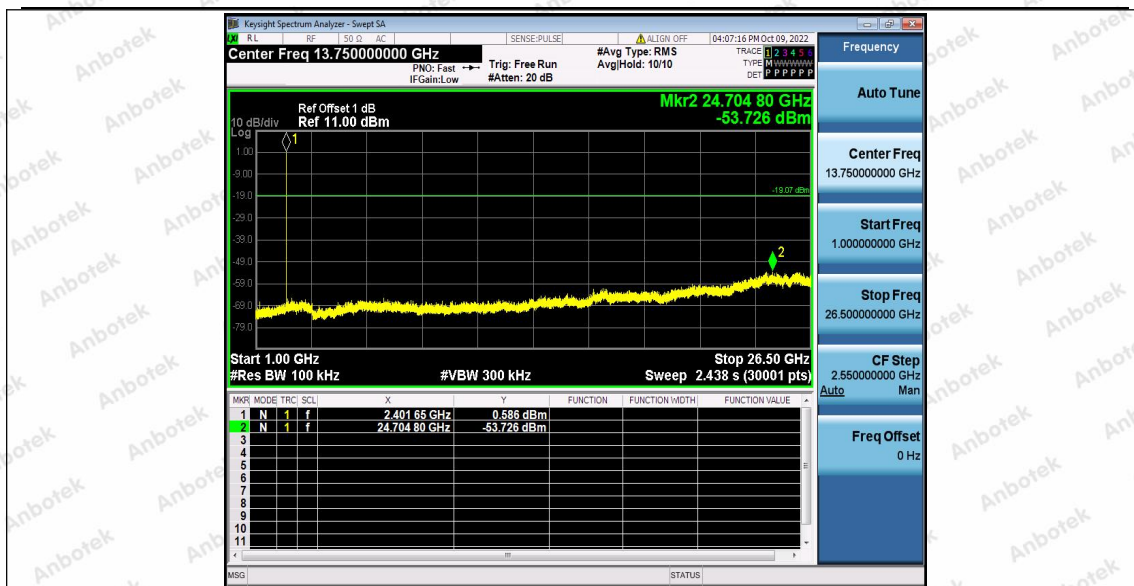
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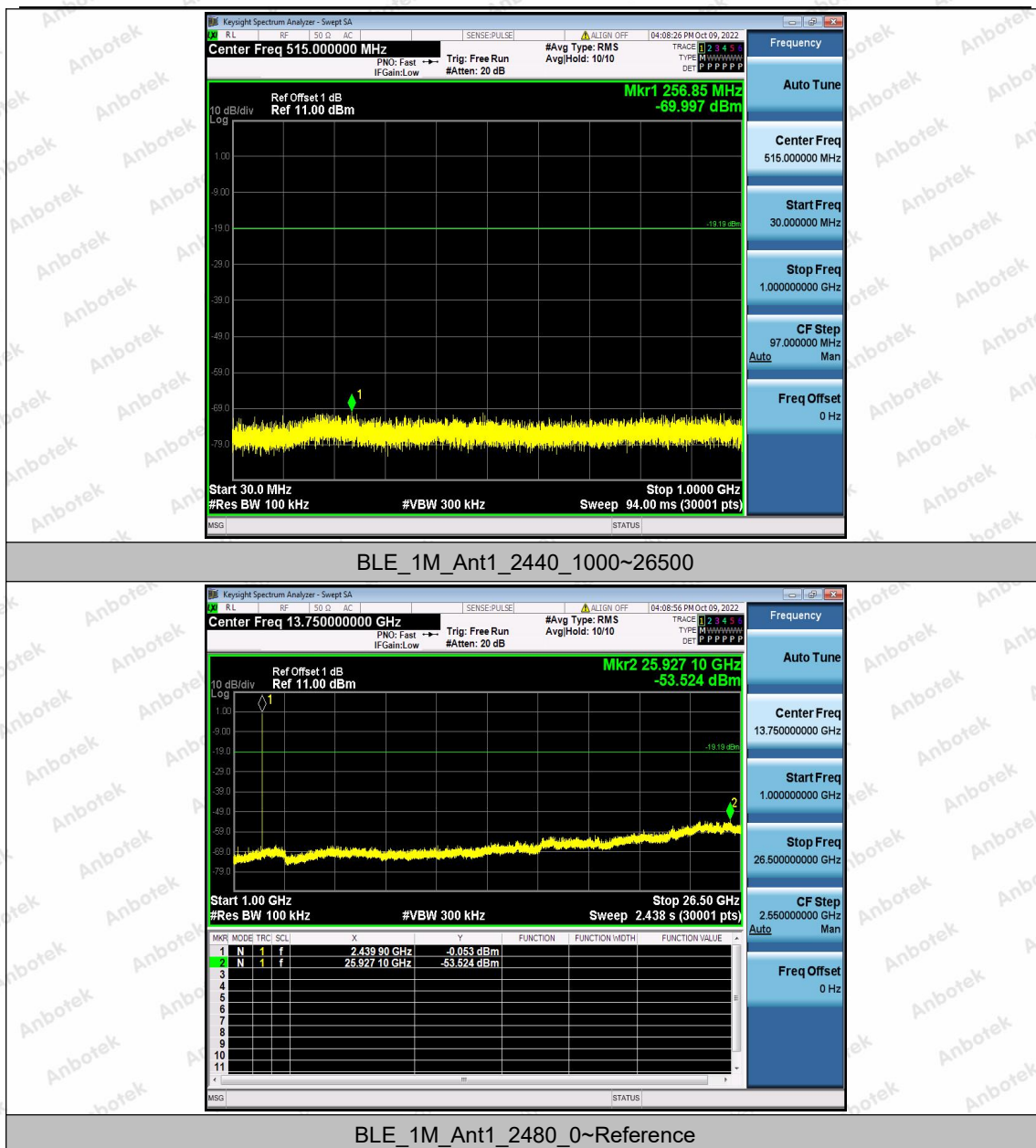


BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



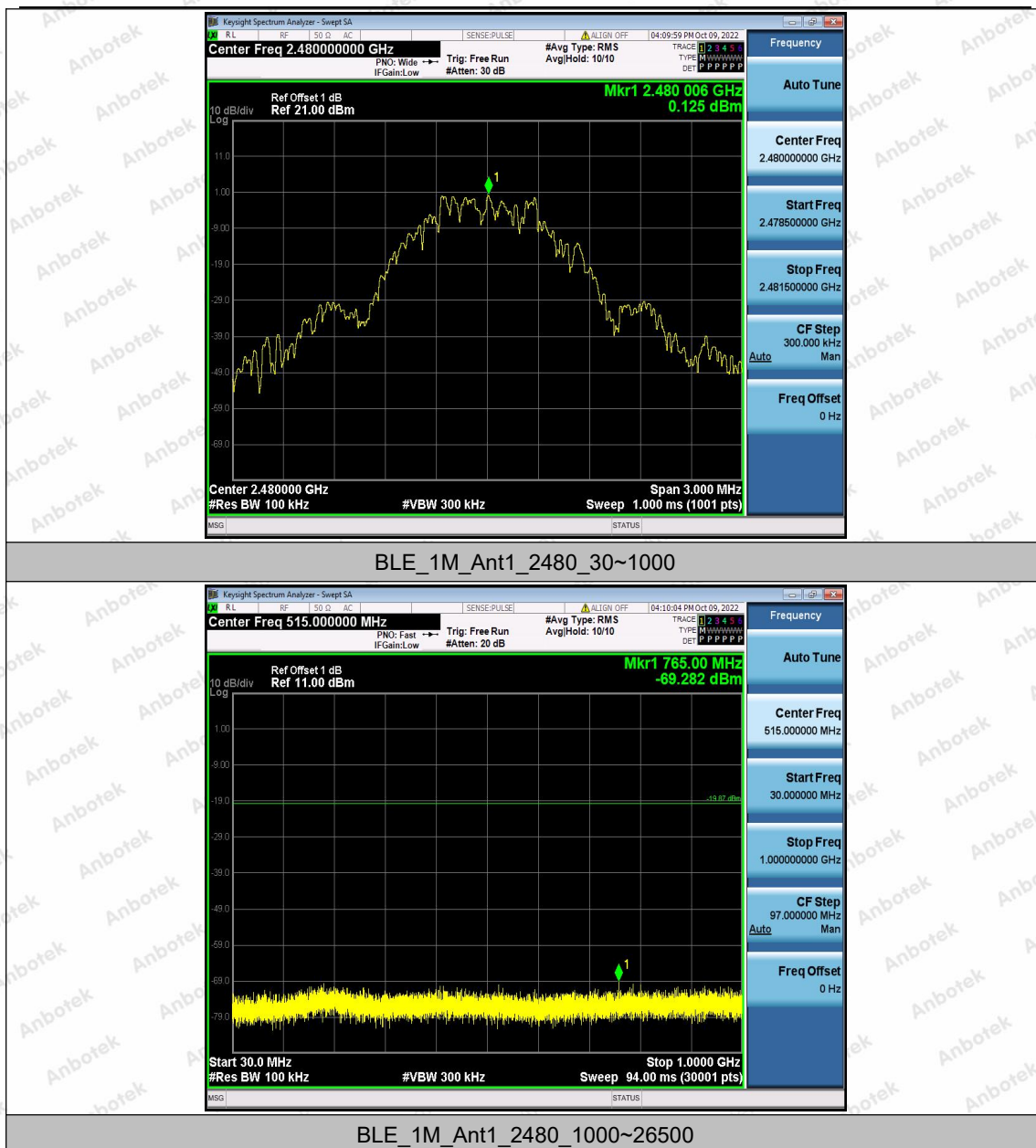
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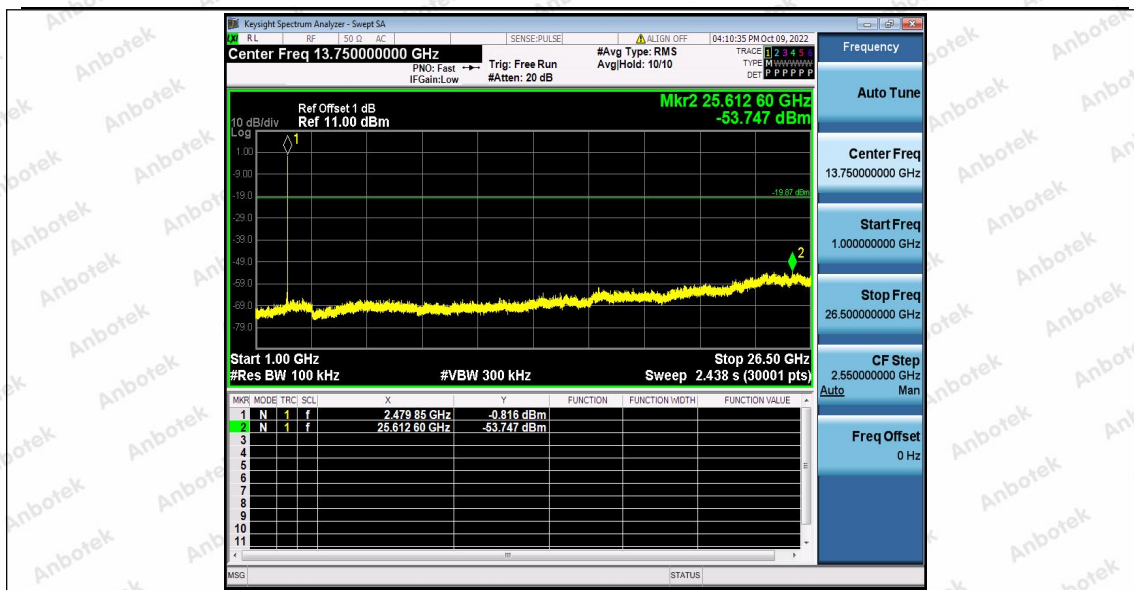
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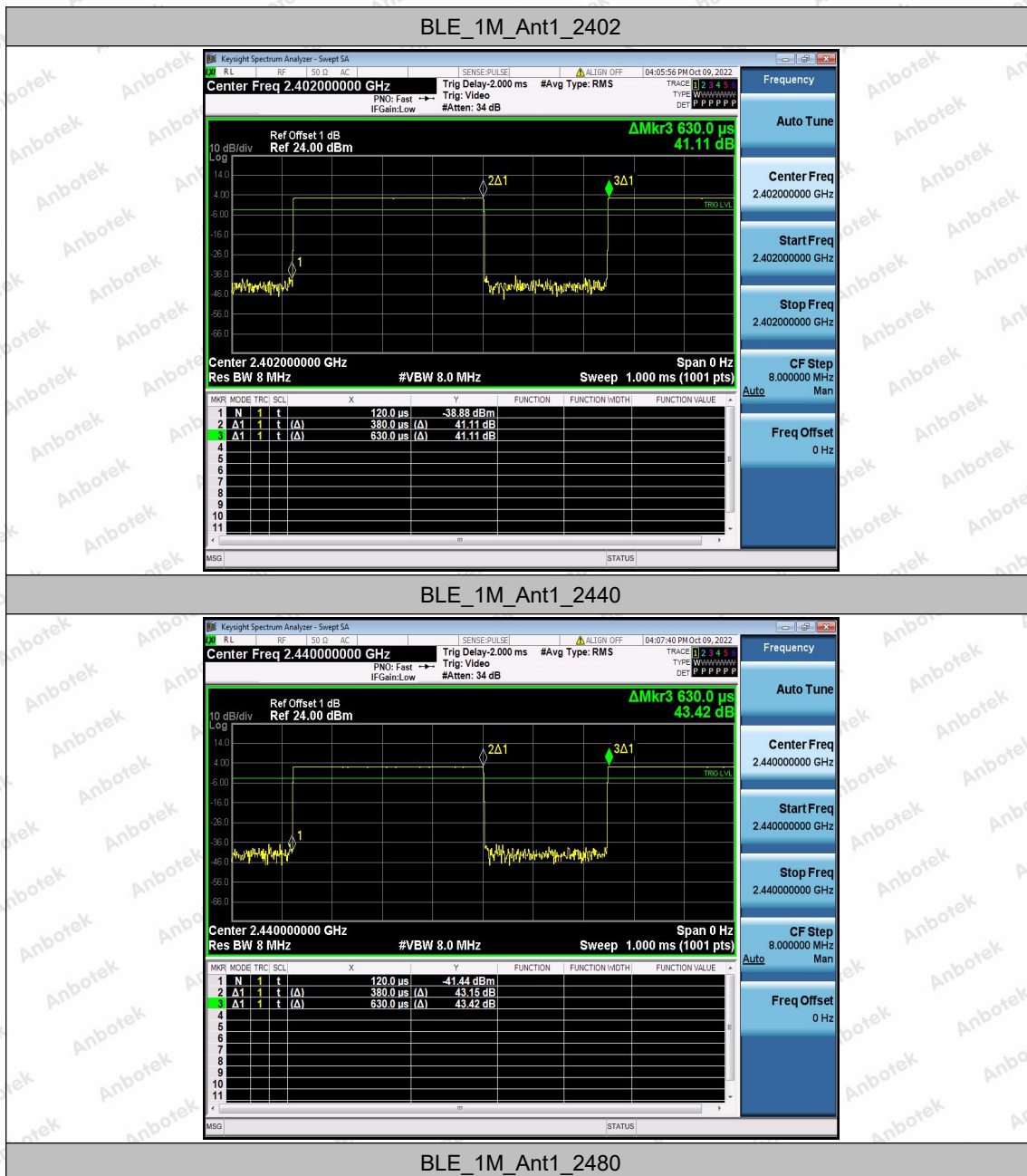
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.38	0.63	60.32	2.20
		2440	0.38	0.63	60.32	2.20
		2480	0.38	0.63	60.32	2.20



Test Graphs



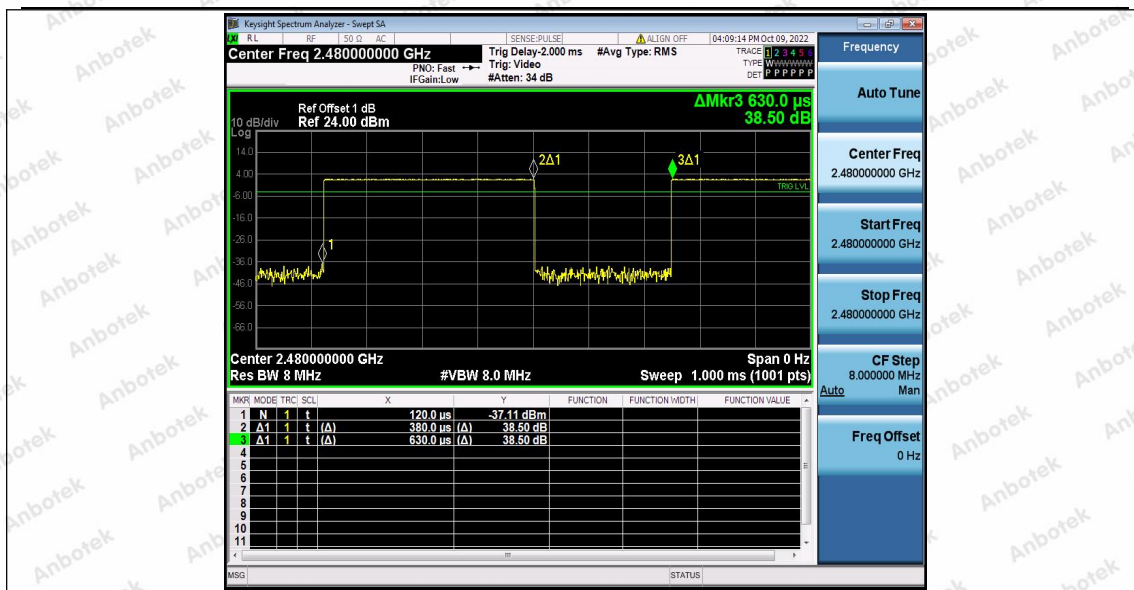
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