

Appendix Test Data

Report No.:	18220WC20193402	Test Sample No.:	1-2-2
Start Test Date:	2022.8.19	Finish Test Date:	2022.8.27
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	0.676	2401.648	2402.324	0.5	PASS
		2440	0.656	2439.668	2440.324	0.5	PASS
		2480	0.664	2479.660	2480.324	0.5	PASS



Test Graphs



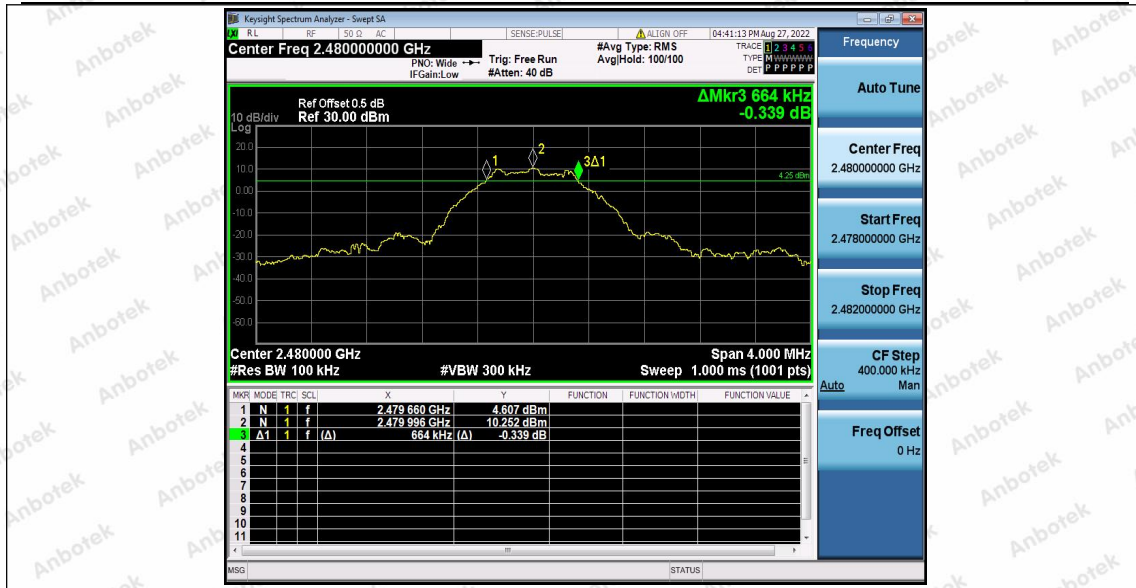
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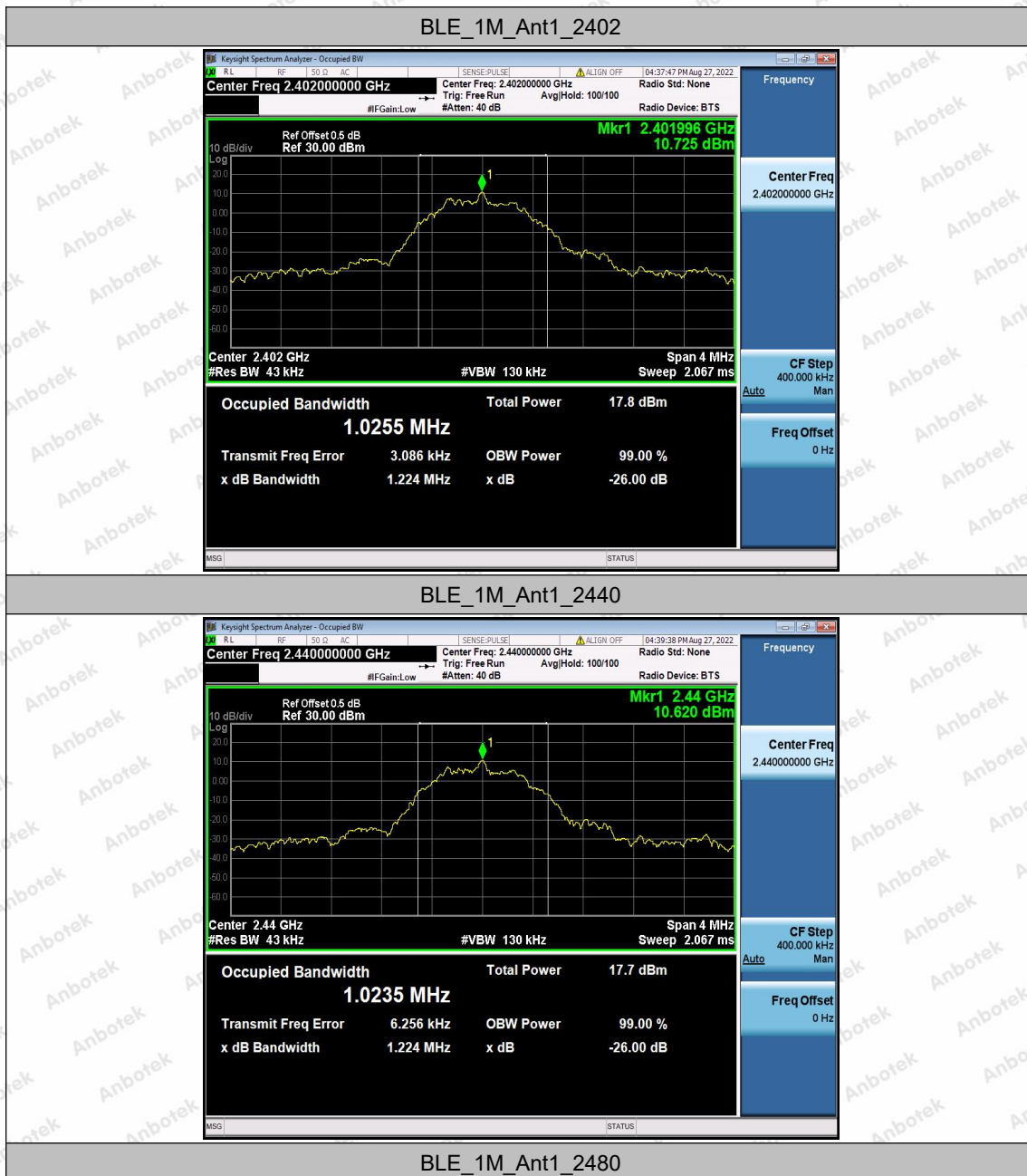
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0255	2401.4903	2402.5158
		2440	1.0235	2439.4945	2440.5180
		2480	1.0190	2479.4948	2480.5138



Test Graphs



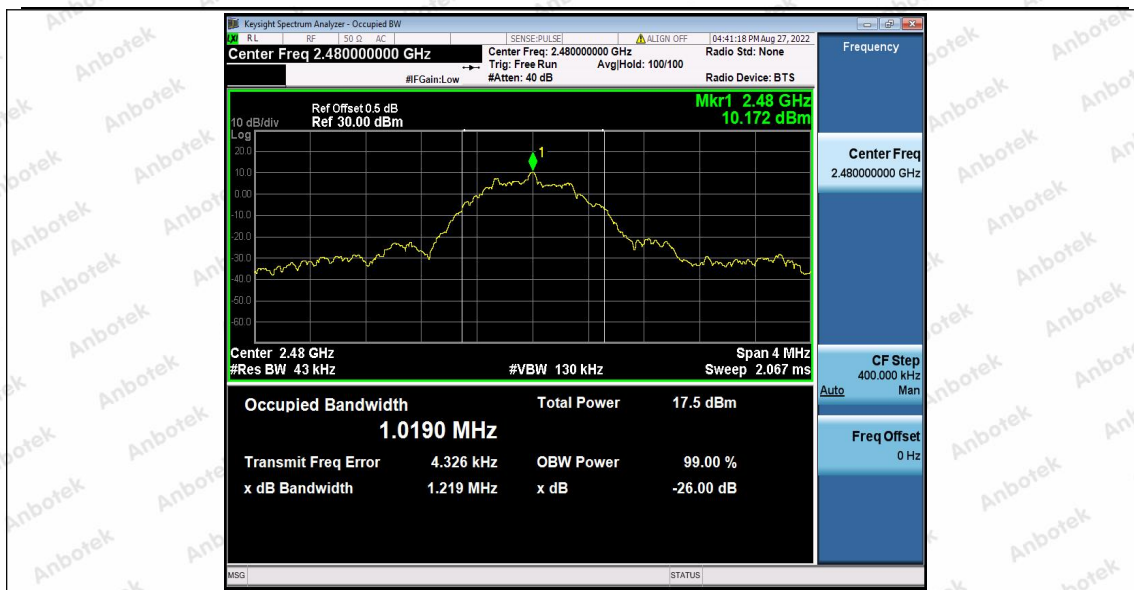
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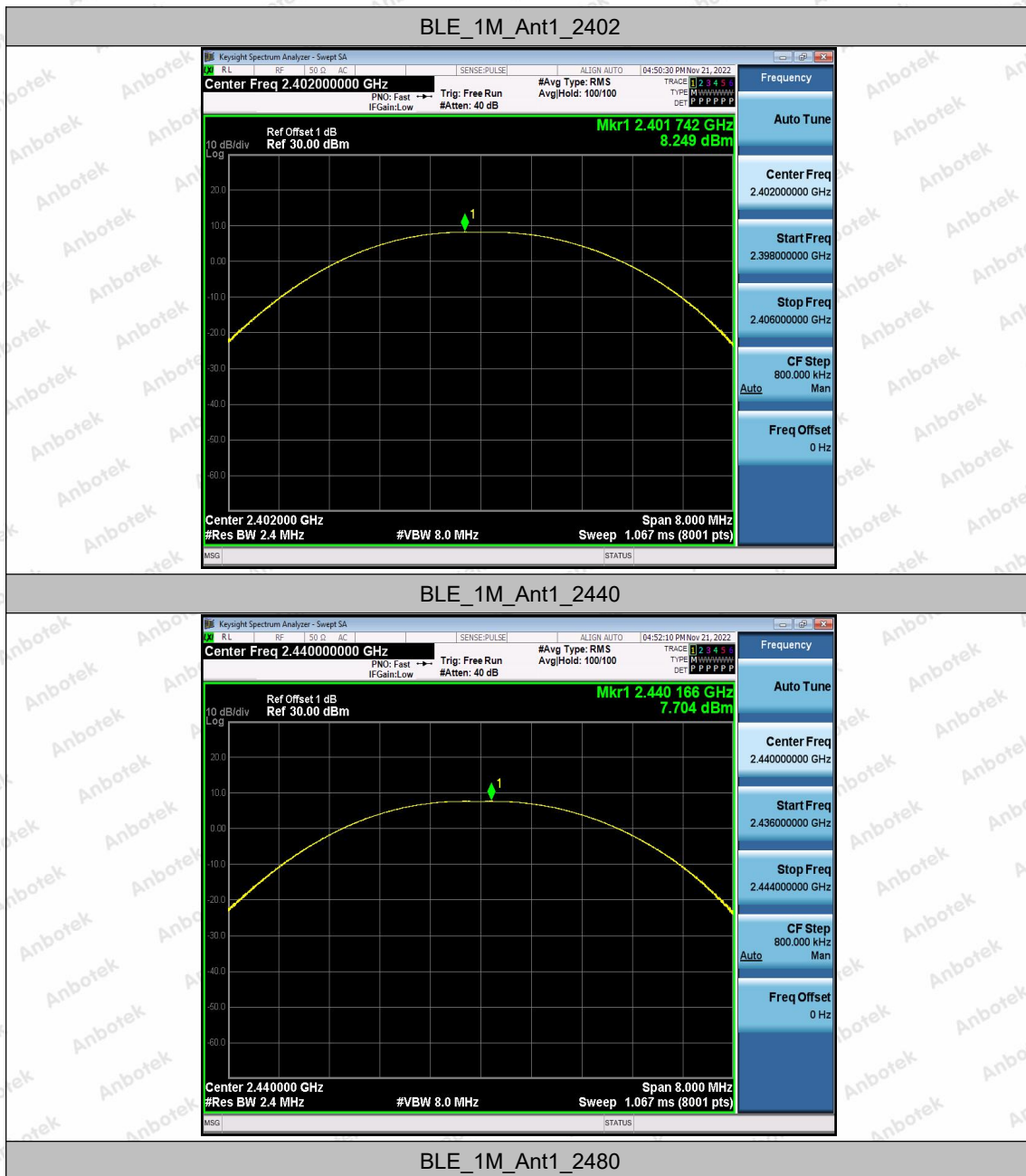
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	8.25	≤30	PASS
		2440	7.7	≤30	PASS
		2480	7.13	≤30	PASS



Test Graphs Peak



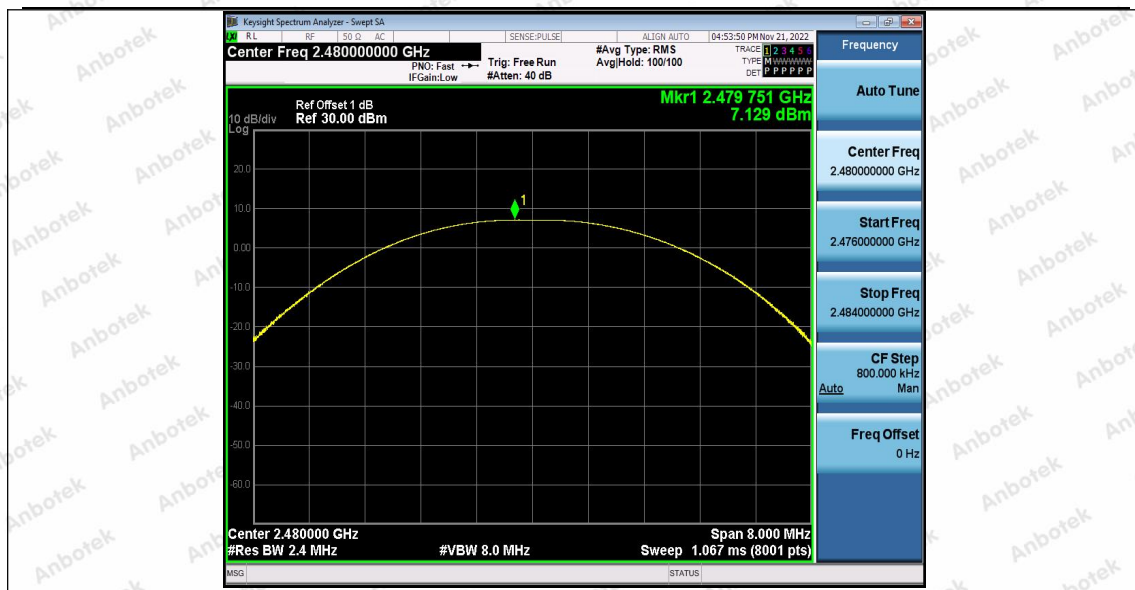
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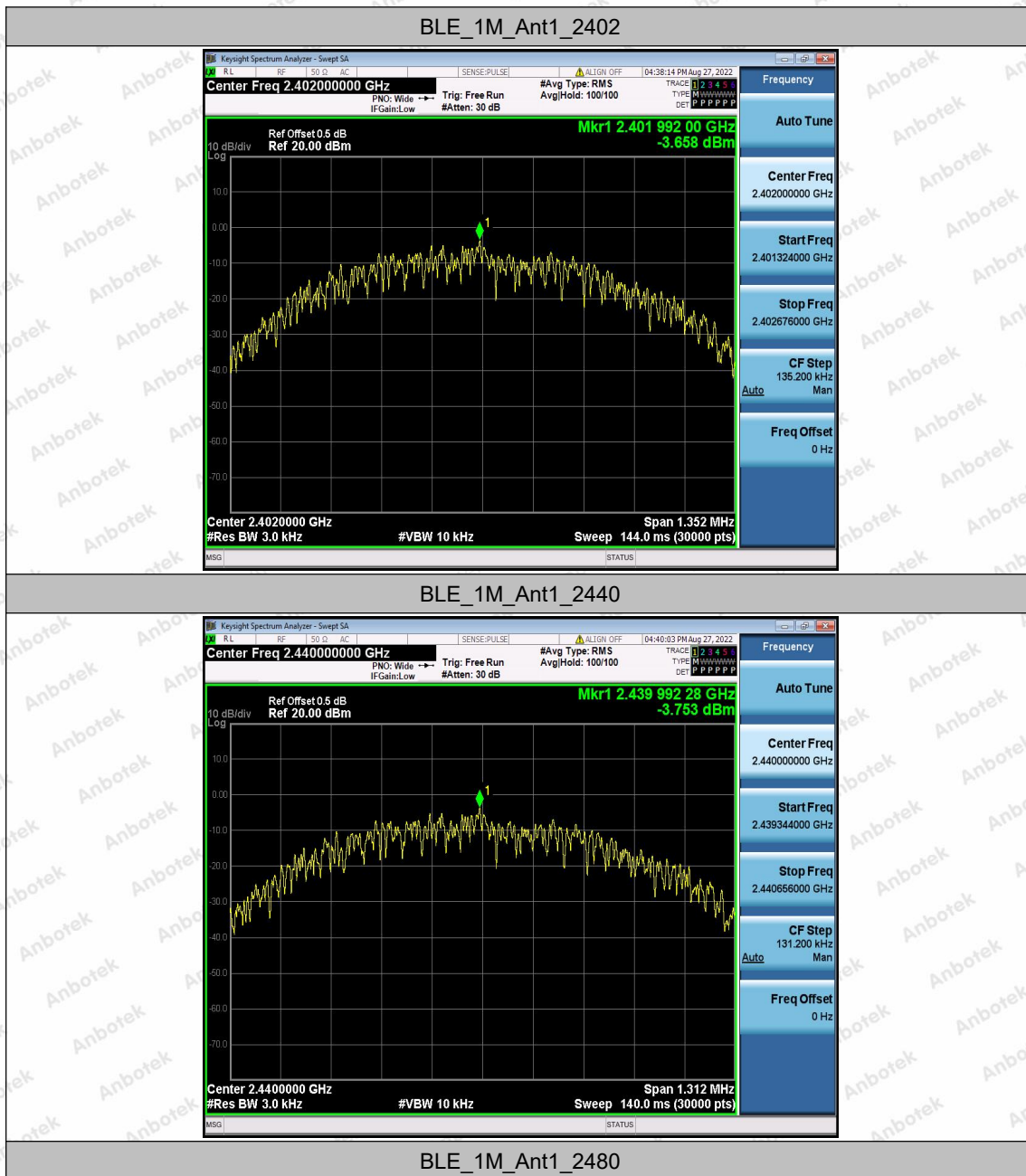
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-3.66	≤8.00	PASS
		2440	-3.75	≤8.00	PASS
		2480	-4.17	≤8.00	PASS



Test Graphs



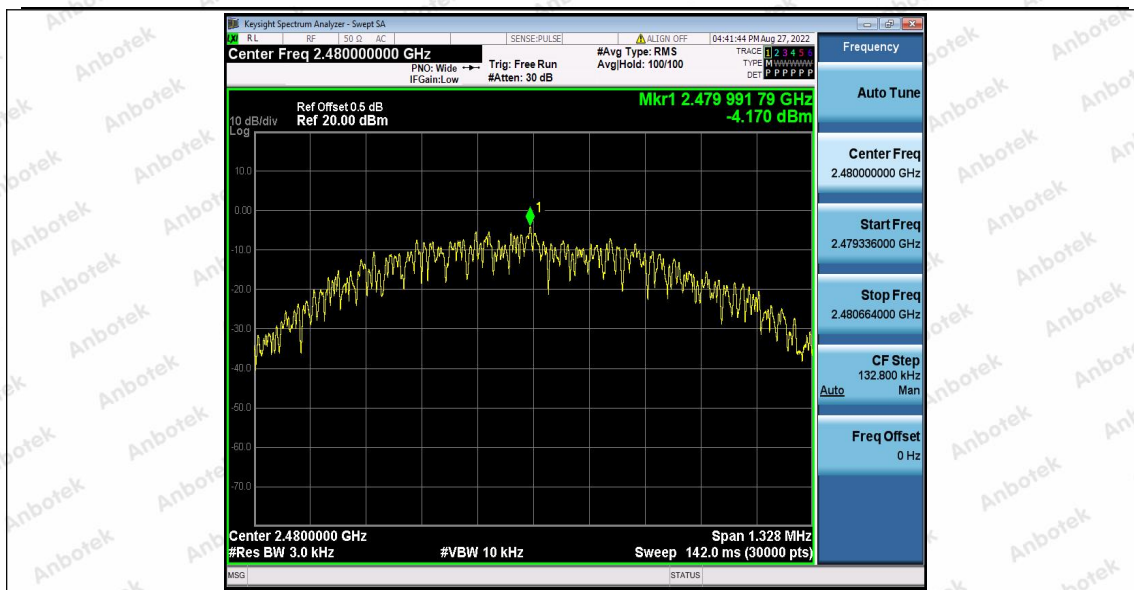
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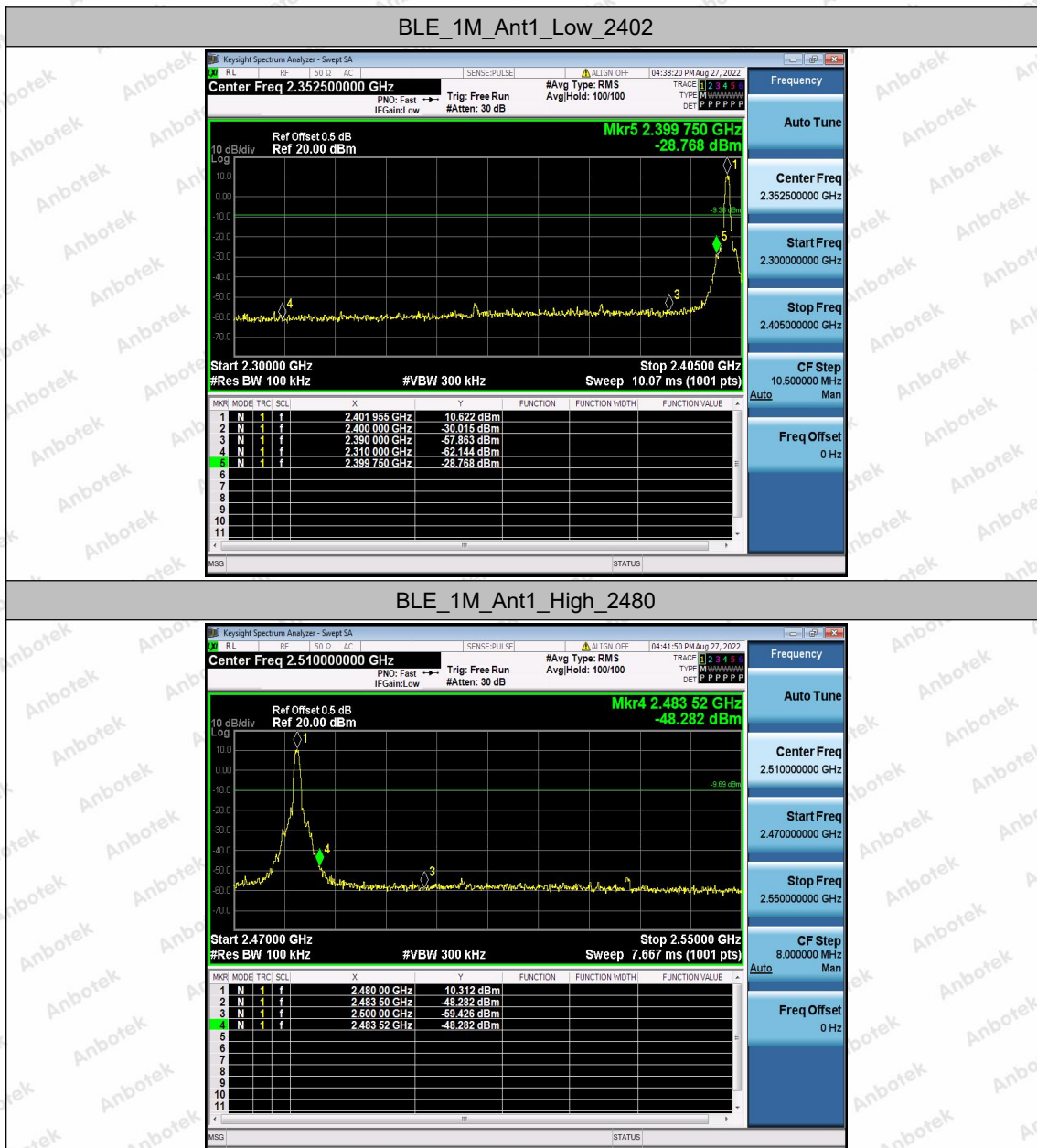
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	10.62	-28.77	≤-9.38	PASS
		High	2480	10.31	-48.28	≤-9.69	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	10.27	10.27	---	PASS
			30~1000	10.27	-68.64	≤-19.73	PASS
			1000~26500	10.27	-49.94	≤-19.73	PASS
		2440	Reference	9.64	9.64	---	PASS
			30~1000	9.64	-69.46	≤-20.36	PASS
			1000~26500	9.64	-46.75	≤-20.36	PASS
		2480	Reference	10.27	10.27	---	PASS
			30~1000	10.27	-69.54	≤-19.73	PASS
			1000~26500	10.27	-54.12	≤-19.73	PASS

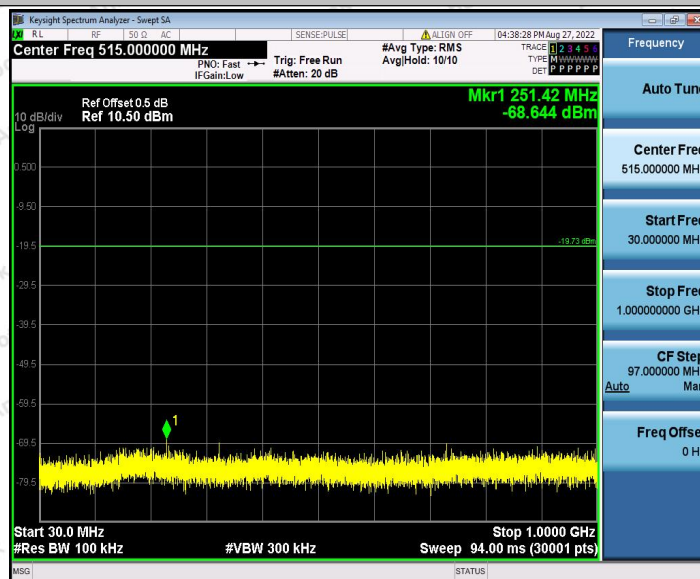


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

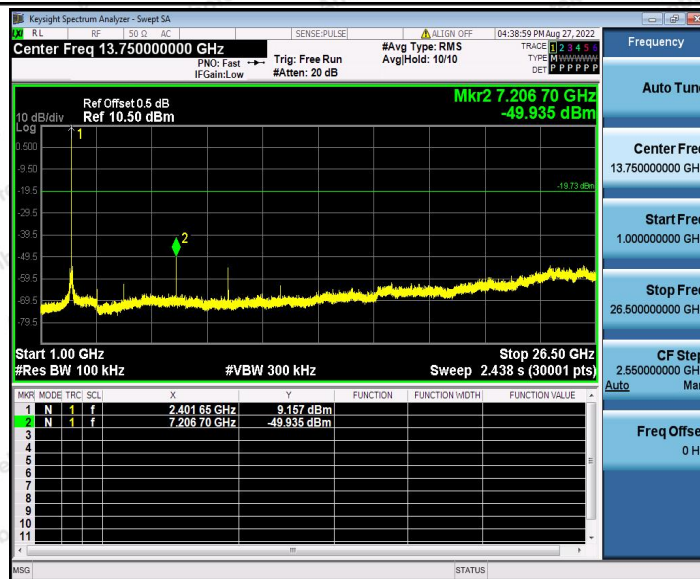
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000

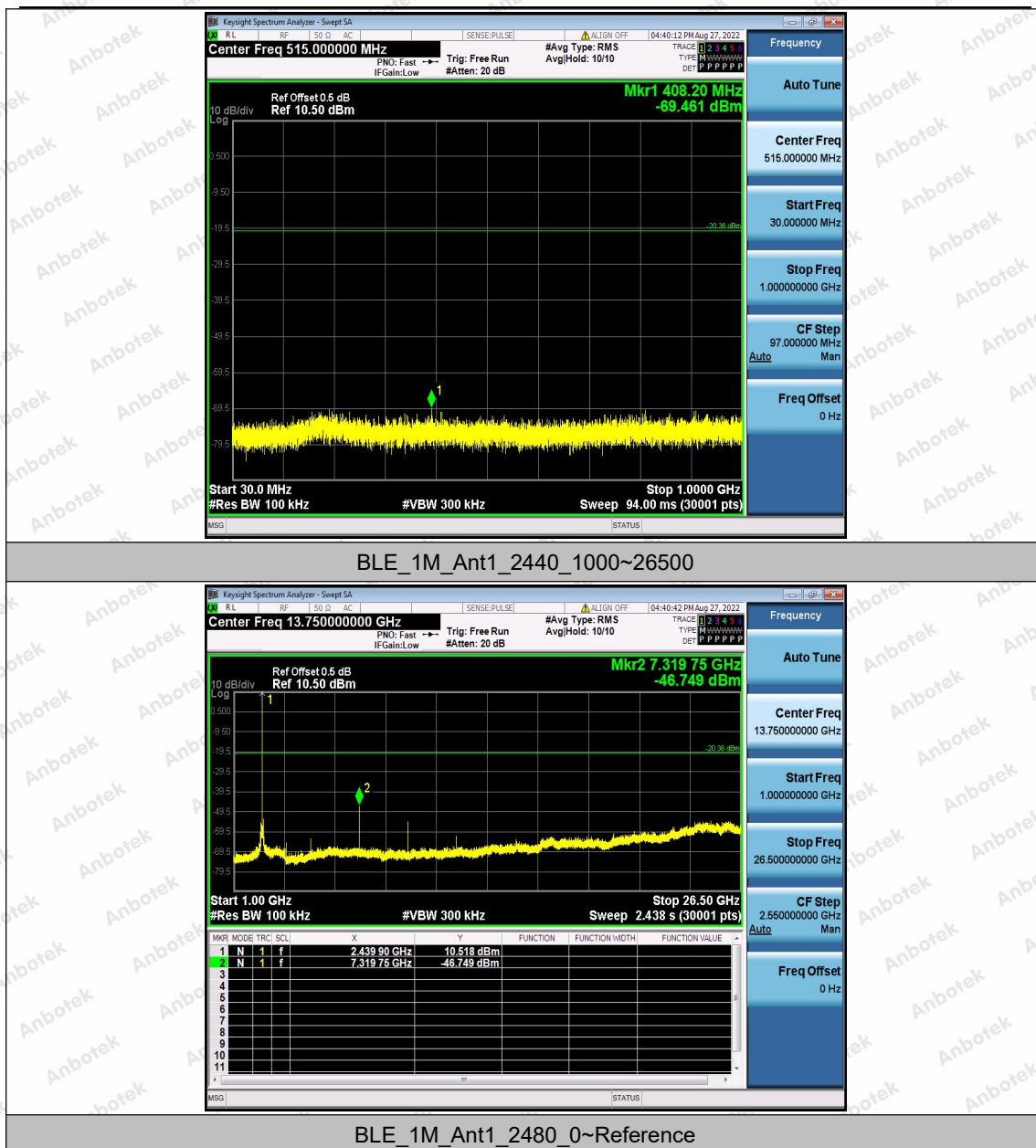
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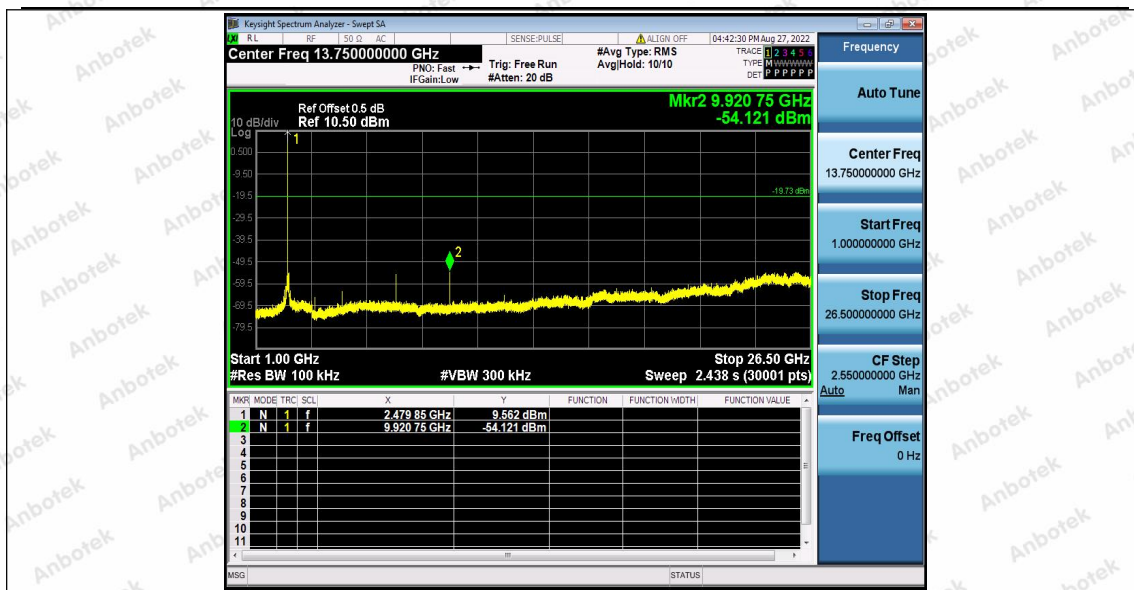
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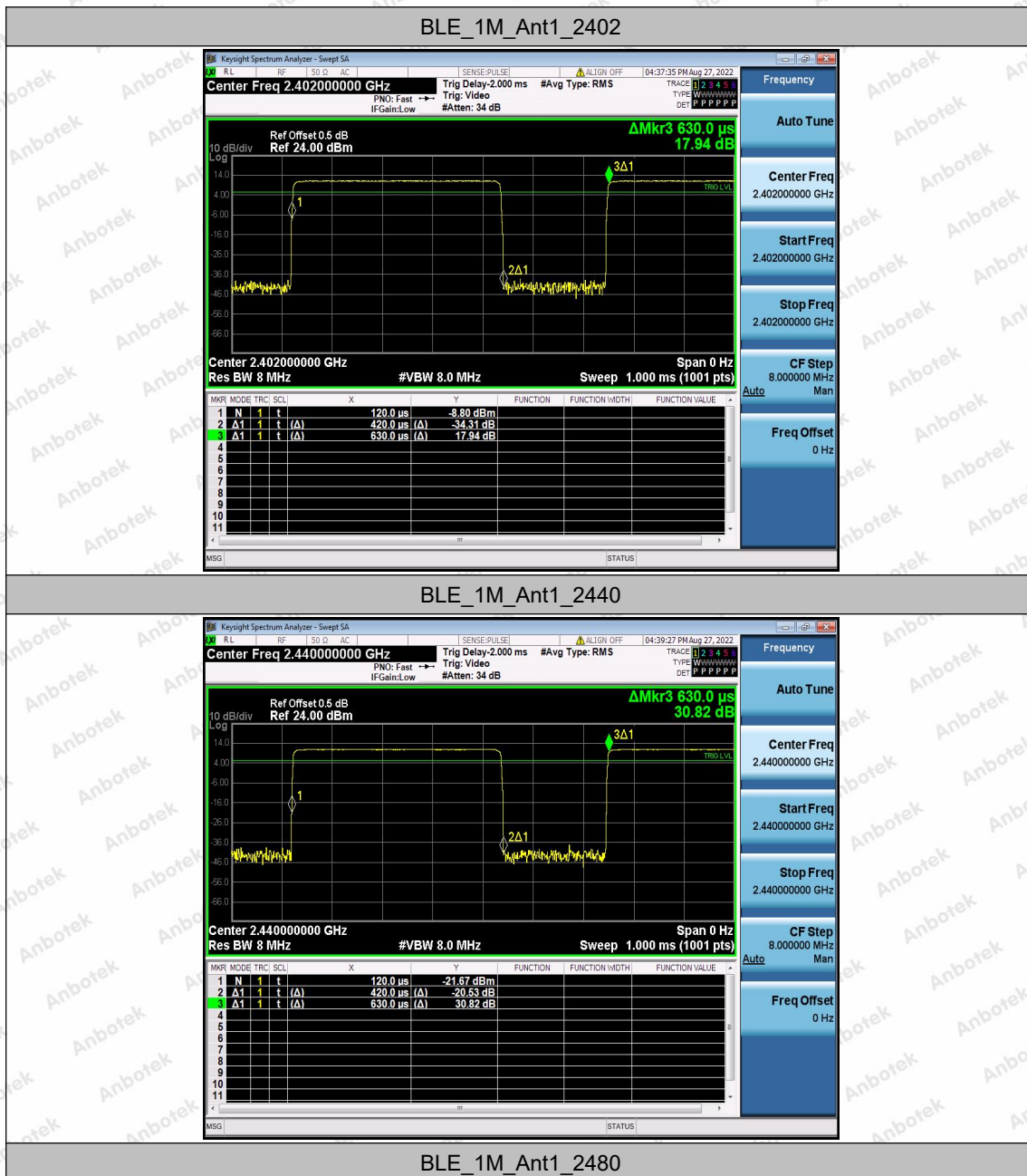
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.42	0.63	66.67	1.76
		2440	0.42	0.63	66.67	1.76
		2480	0.42	0.63	66.67	1.76



Test Graphs



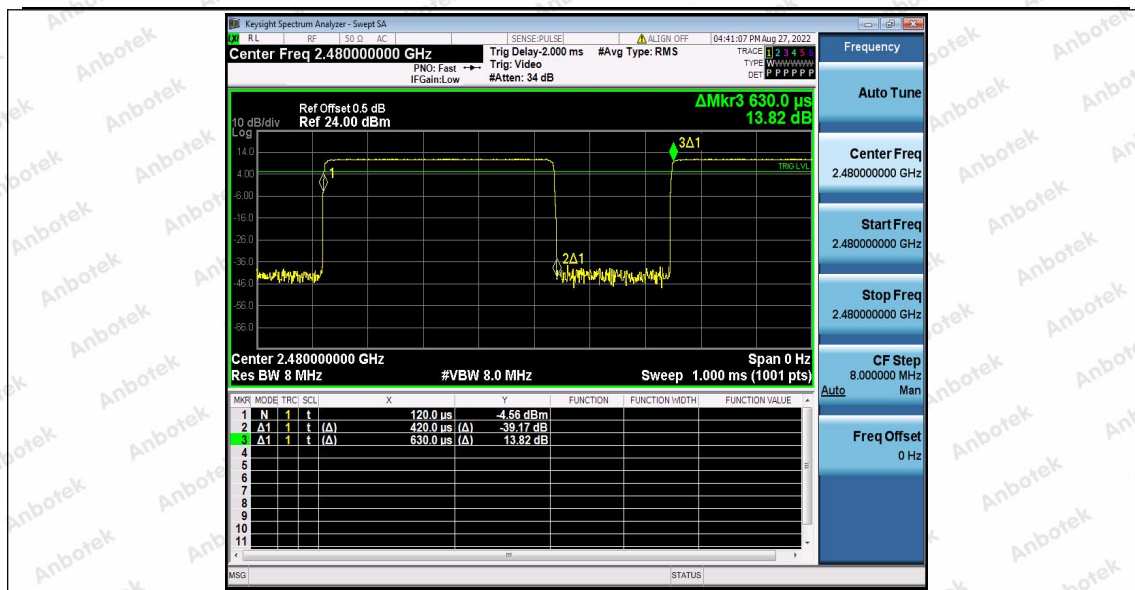
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