

Appendix Test Data

Report No.:	18220WC20150901	Test Sample No.:	1-2-2
Start Test Date:	2022.7.8	Finish Test Date:	2022.7.12
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.3℃	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	0.688	2401.644	2402.332	≥0.5	PASS
		2440	0.692	2439.644	2440.336	≥0.5	PASS
		2480	0.712	2479.636	2480.348	≥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	1.0343	2401.494	2402.528	---	PASS
		2440	1.0241	2439.494	2440.518	---	PASS
		2480	1.0255	2479.497	2480.522	---	PASS



Test Graphs



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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.81	≤30	PASS
		2440	1.36	≤30	PASS
		2480	0.6	≤30	PASS



Test Graphs



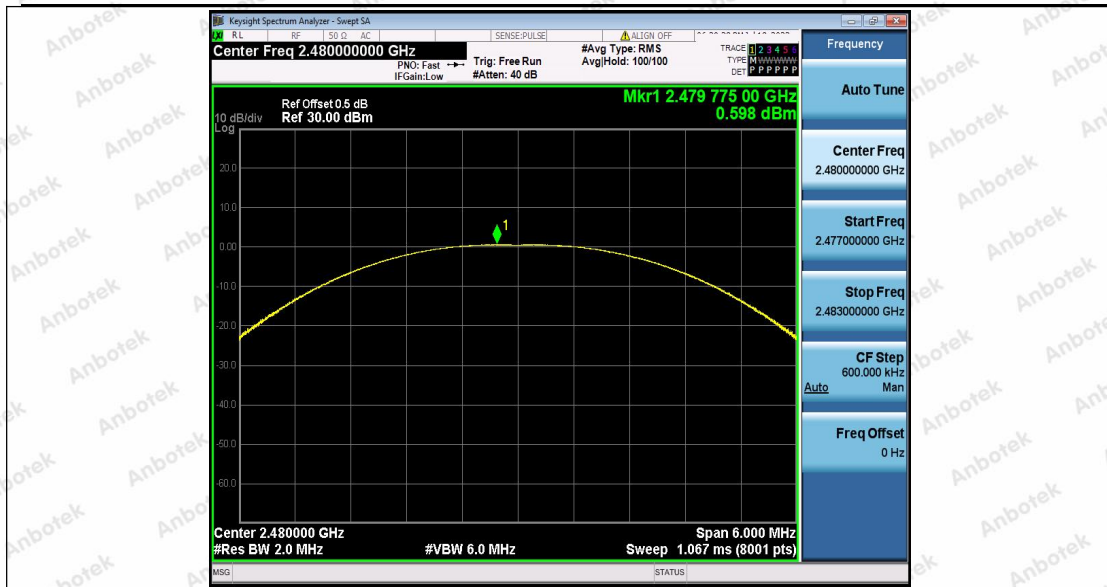
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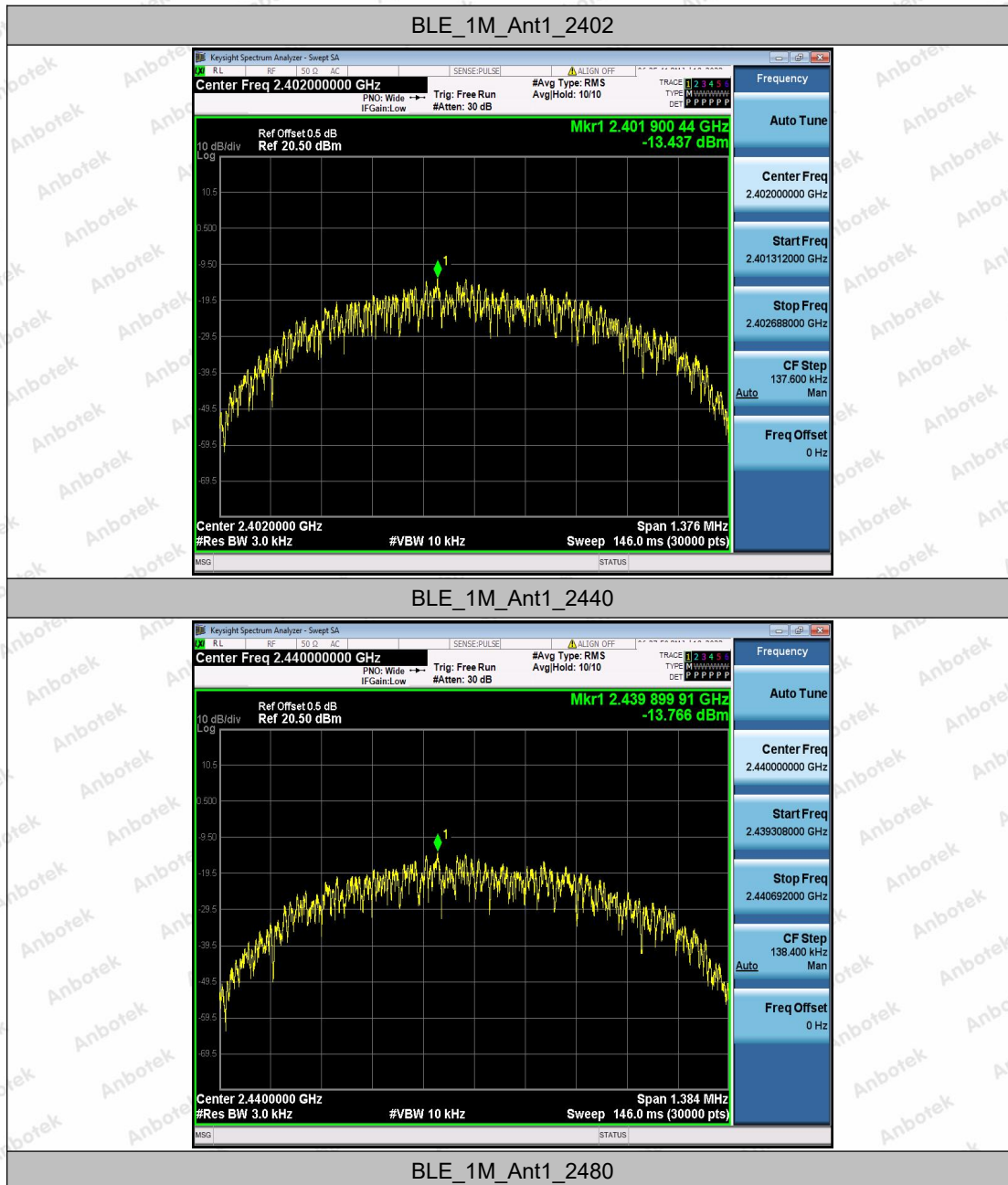
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.44	≤8	PASS
		2440	-13.77	≤8	PASS
		2480	-14.6	≤8	PASS



Test Graphs



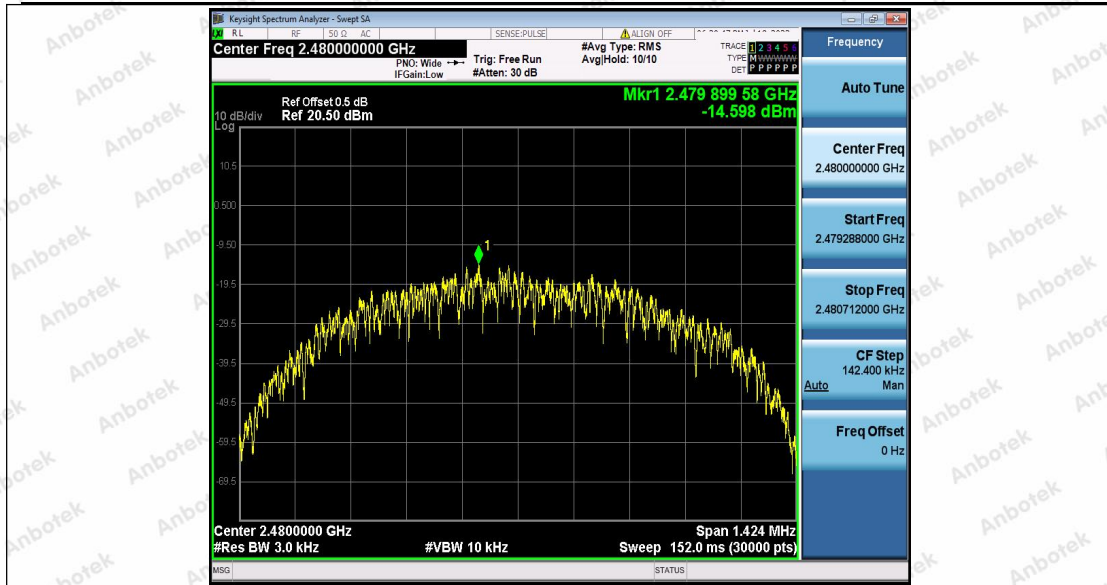
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Appendix E: Band edge measurements

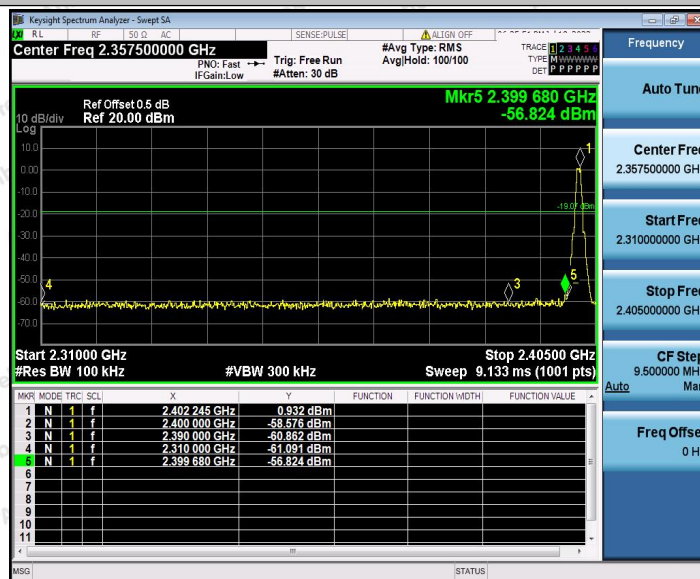
Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.93	-56.82	≤-19.07	PASS
		High	2480	-0.12	-57.62	≤-20.12	PASS

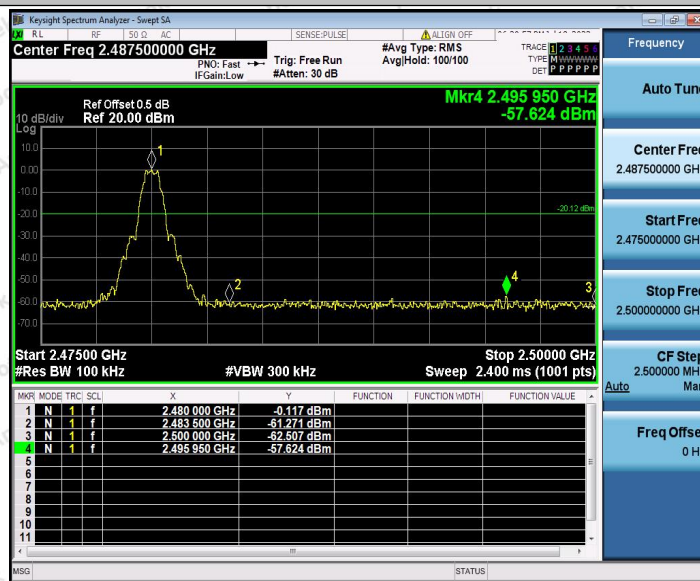


Test Graphs

BLE_1M_Ant1_Low_2402



BLE_1M_Ant1_High_2480



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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	0.84	0.84	---	PASS
			30~1000	0.84	-69.88	≤-19.16	PASS
			1000~265 00	0.84	-54.65	≤-19.16	PASS
		2440	Reference	0.41	0.41	---	PASS
			30~1000	0.41	-69.78	≤-19.59	PASS
			1000~265 00	0.41	-54.56	≤-19.59	PASS
		2480	Reference	-0.38	-0.38	---	PASS
			30~1000	-0.38	-69.42	≤-20.38	PASS
			1000~265 00	-0.38	-54.18	≤-20.38	PASS

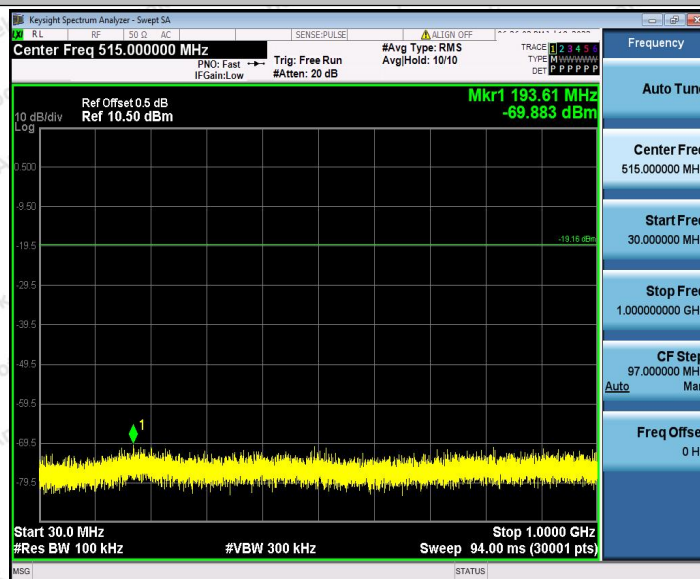


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

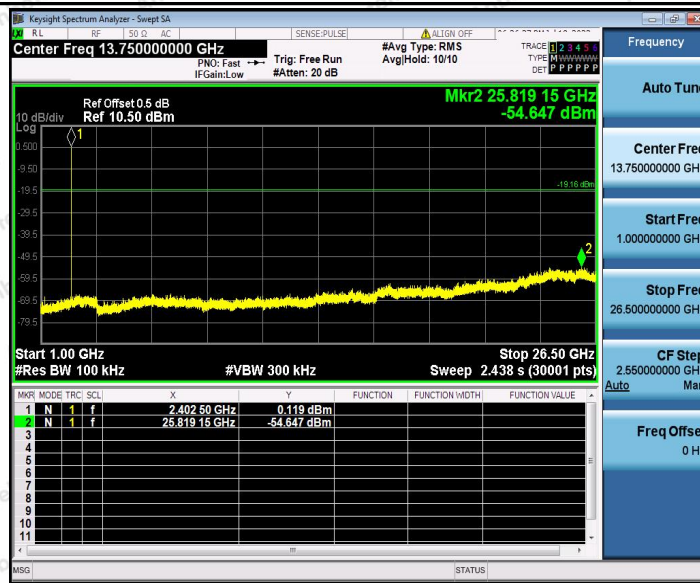
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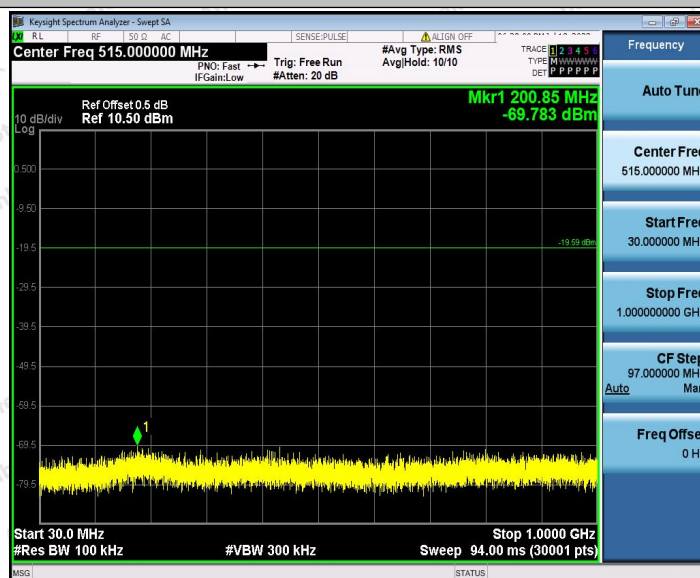




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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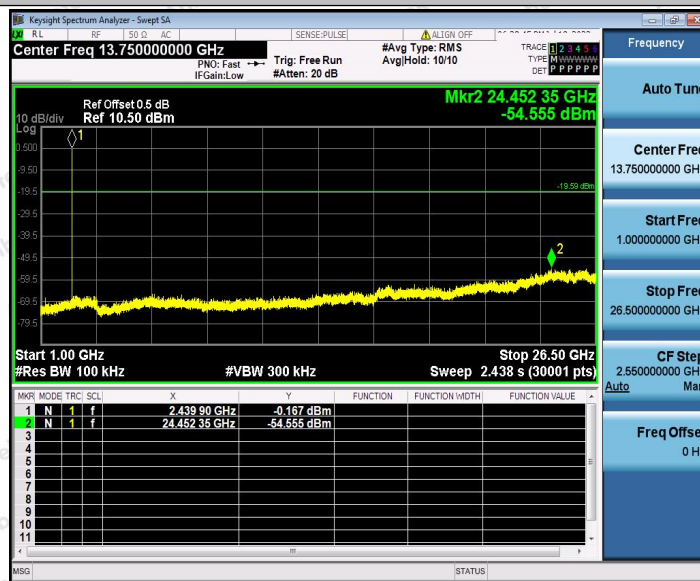
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000

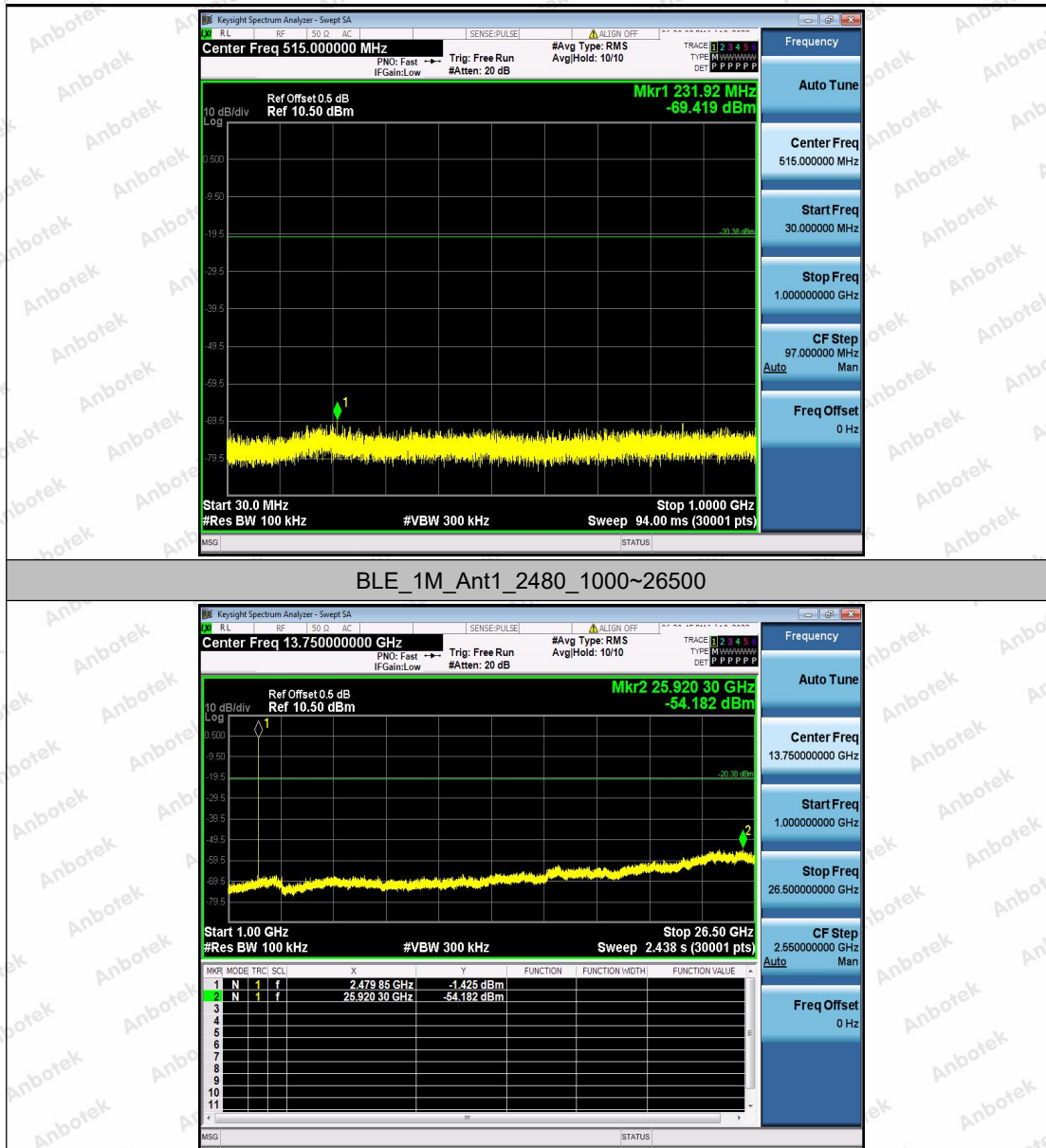
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Appendix G: Duty Cycle

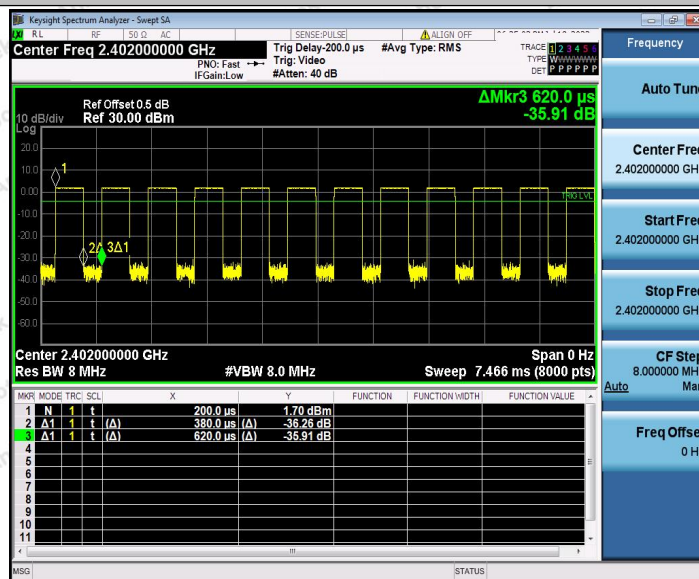
Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.38	0.62	0.612 9	61.29	2.13	---	PASS
		2440	0.38	0.63	0.603 2	60.32	2.20	---	PASS
		2480	0.38	0.63	0.603 2	60.32	2.20	---	PASS

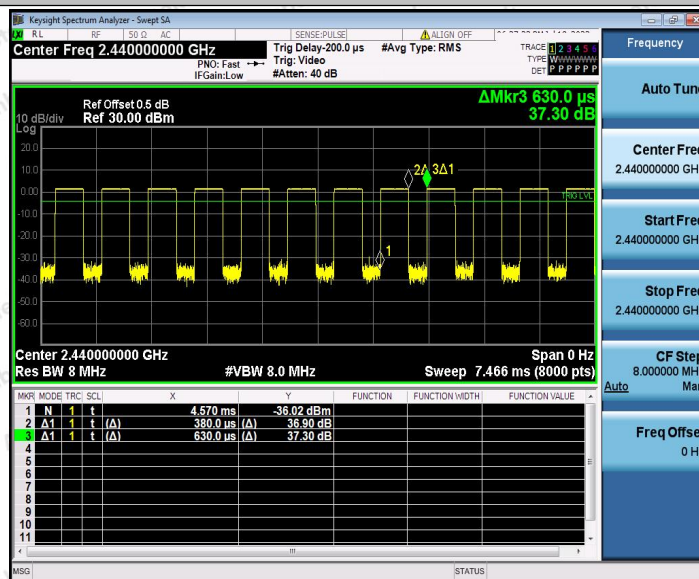


Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

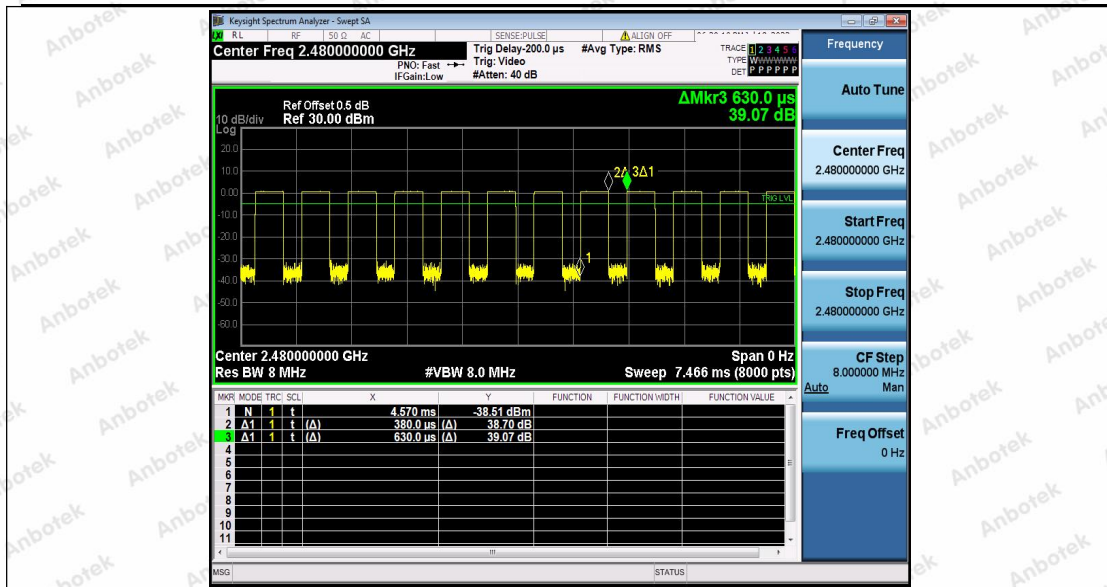
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