

Appendix Test Data

Report No.:	18220WC20255801	Test Sample No.:	1-2-2
Start Test Date:	2022.11.25	Finish Test Date:	2022.11.25
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	0.664	2401.632	2402.296	0.5	PASS
		2440	0.648	2439.640	2440.288	0.5	PASS
		2480	0.640	2479.648	2480.288	0.5	PASS



Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

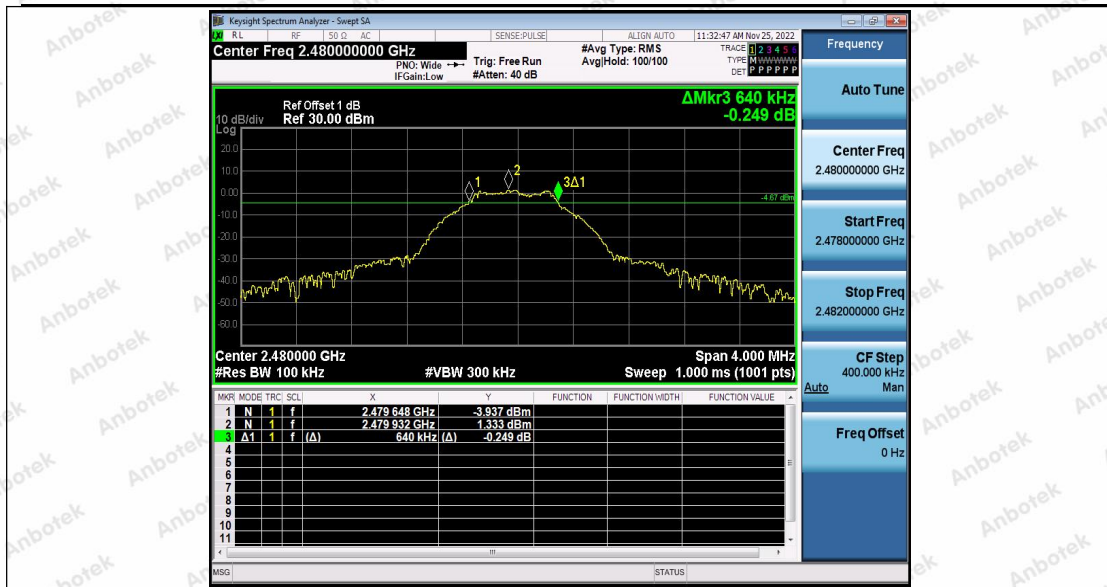
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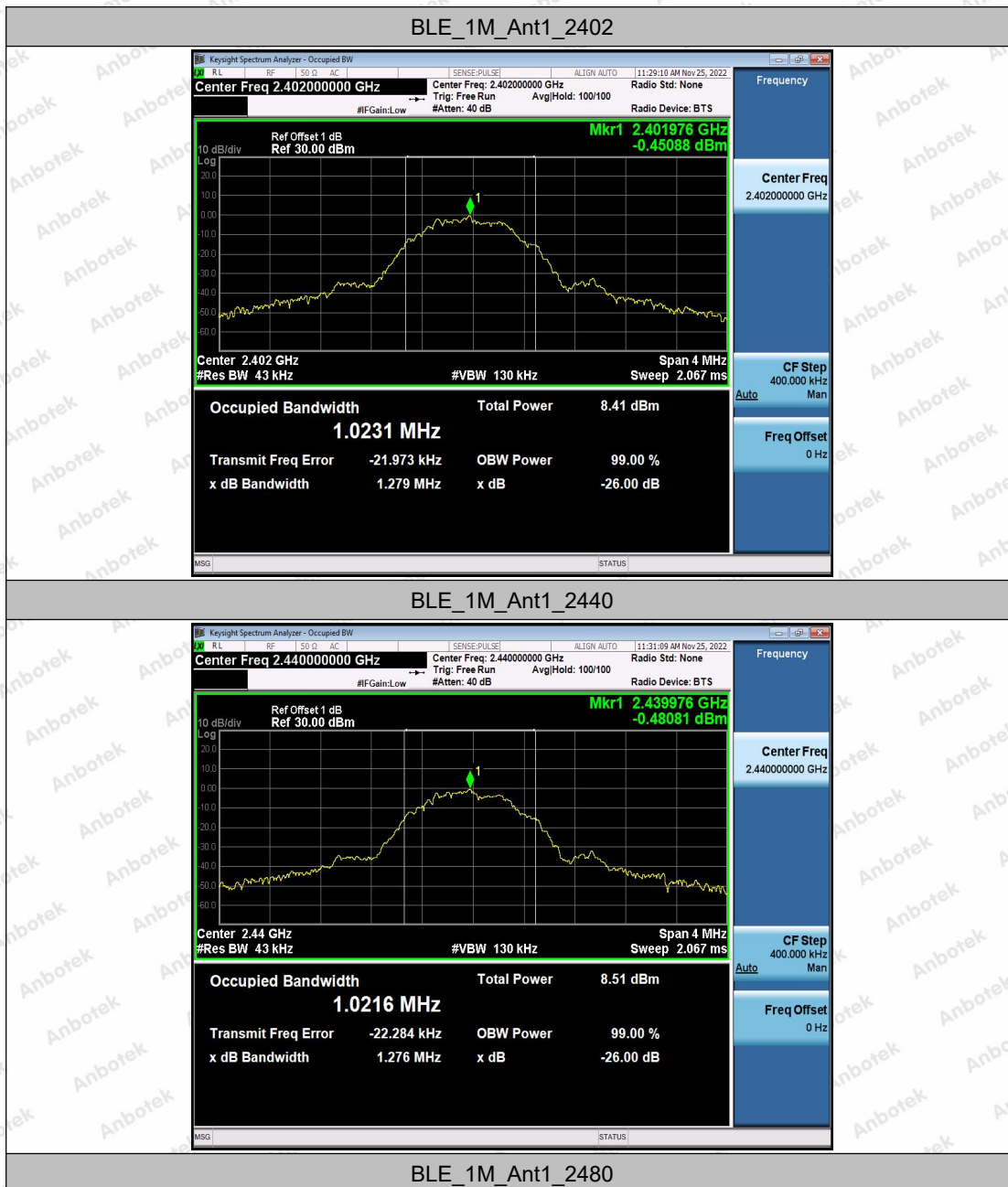
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0231	2401.4665	2402.4896	---	---
		2440	1.0216	2439.4669	2440.4885	---	---
		2480	1.0184	2479.4663	2480.4847	---	---



Test Graphs



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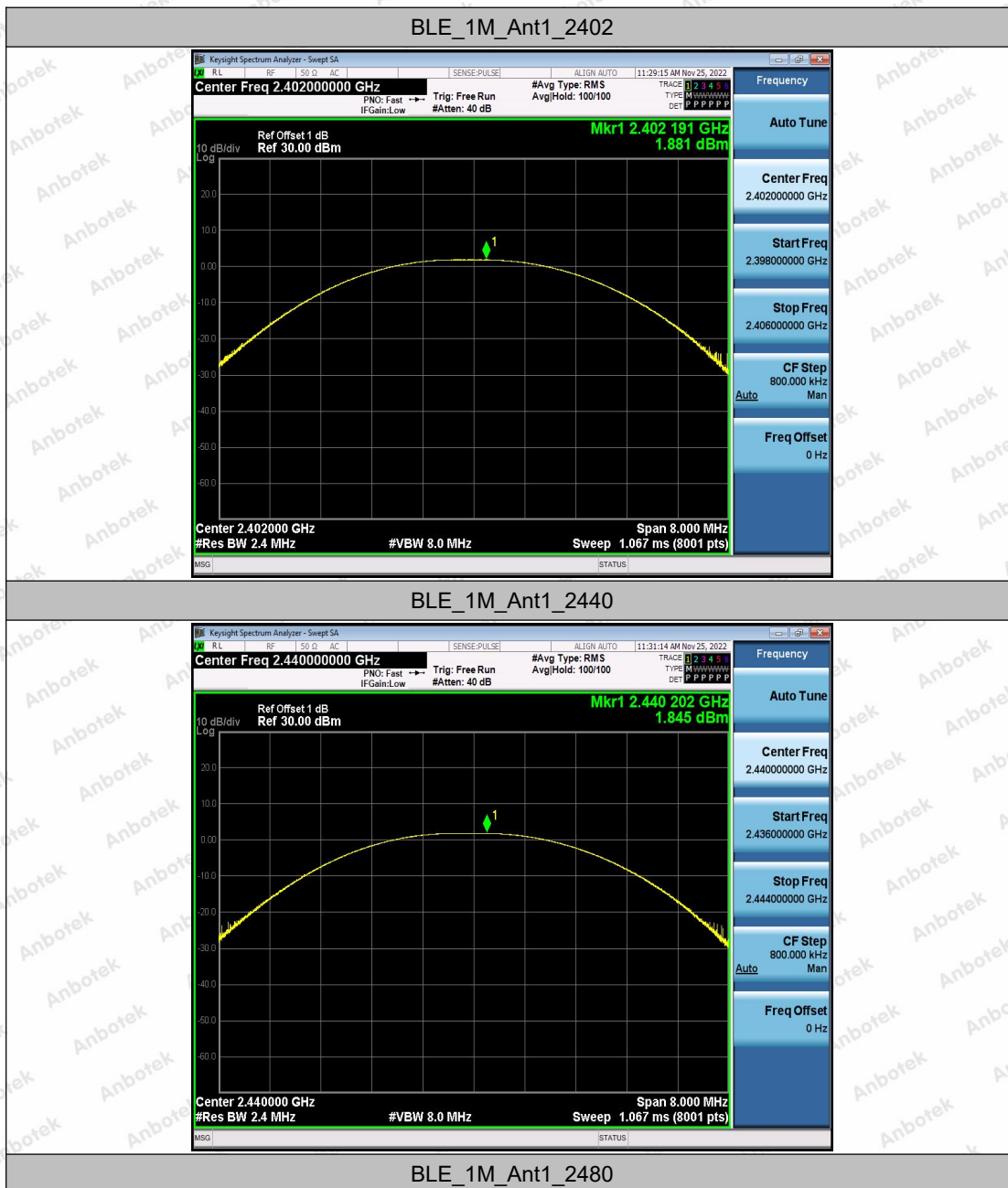
Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.88	≤30	PASS
		2440	1.85	≤30	PASS
		2480	1.72	≤30	PASS



Test Graphs



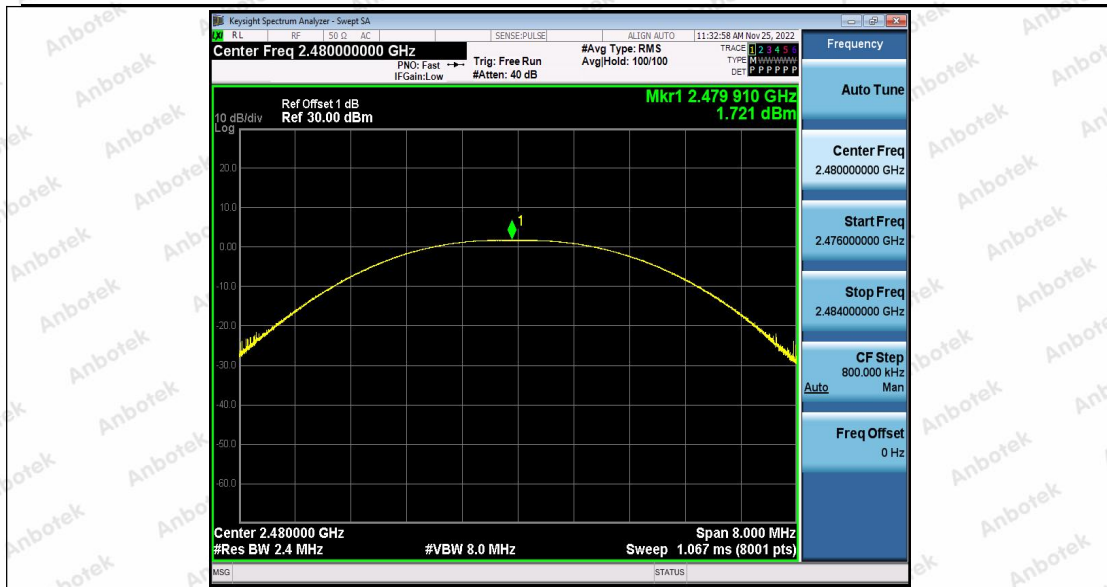
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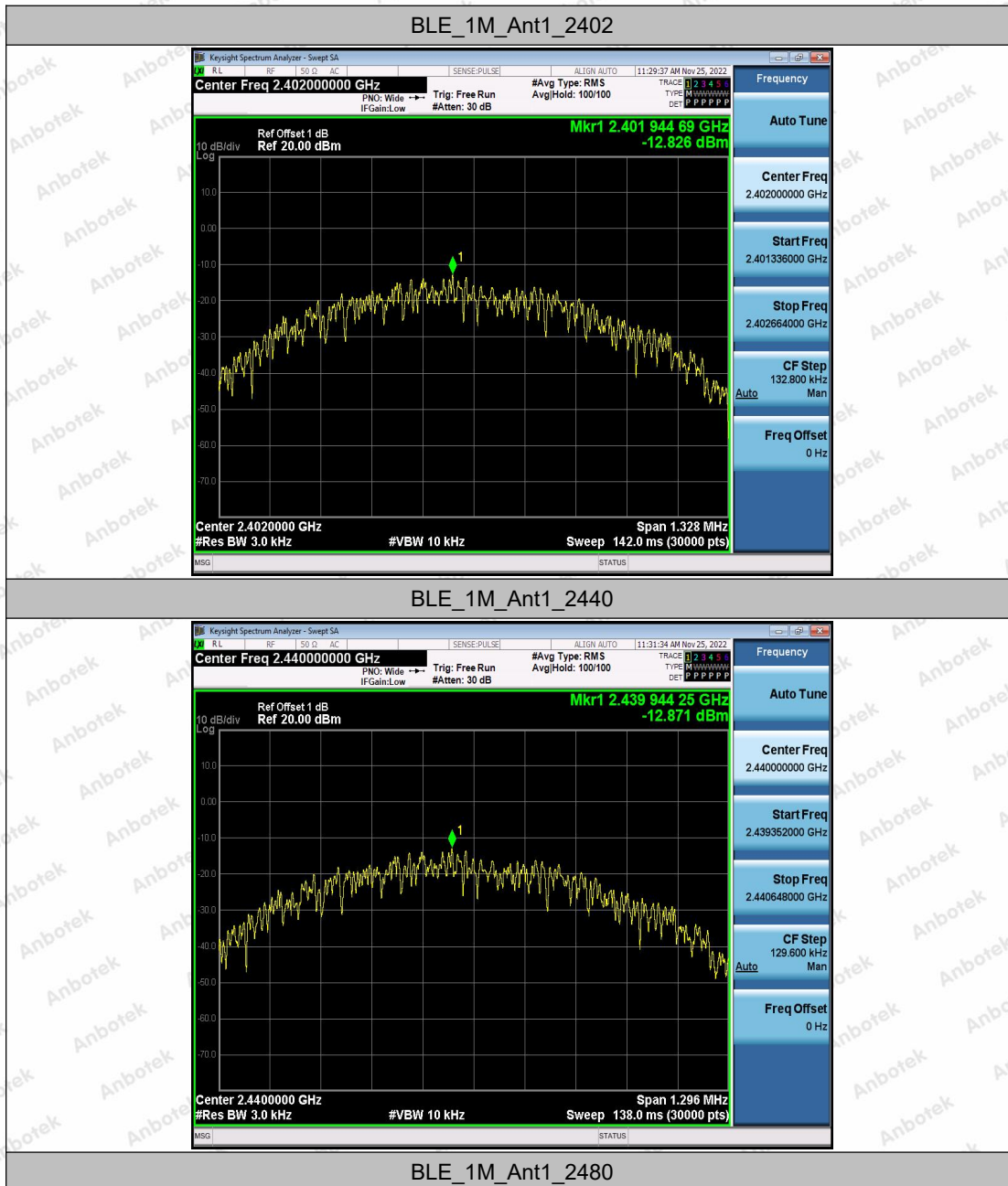
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.83	≤8.00	PASS
		2440	-12.87	≤8.00	PASS
		2480	-12.96	≤8.00	PASS



Test Graphs



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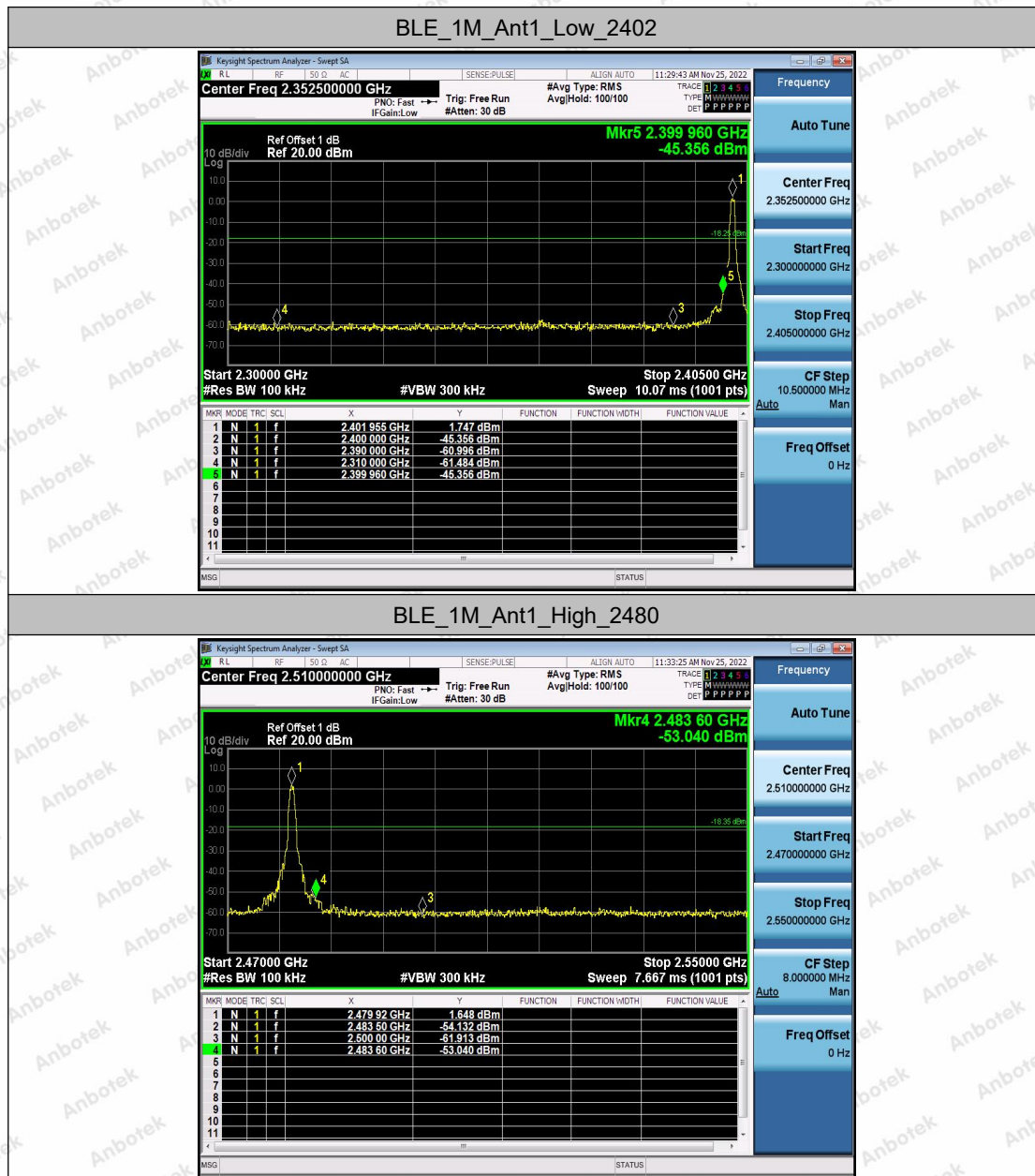
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.75	-45.36	≤-18.25	PASS
		High	2480	1.65	-53.04	≤-18.35	PASS



Test Graphs



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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	0.98	0.98	---	PASS
			30~1000	0.98	-65.32	≤-19.02	PASS
			1000~265 00	0.98	-39.02	≤-19.02	PASS
		2440	Reference	1.42	1.42	---	PASS
			30~1000	1.42	-63.4	≤-18.58	PASS
			1000~265 00	1.42	-38.88	≤-18.58	PASS
		2480	Reference	1.36	1.36	---	PASS
			30~1000	1.36	-64.09	≤-18.64	PASS
			1000~265 00	1.36	-38.02	≤-18.64	PASS

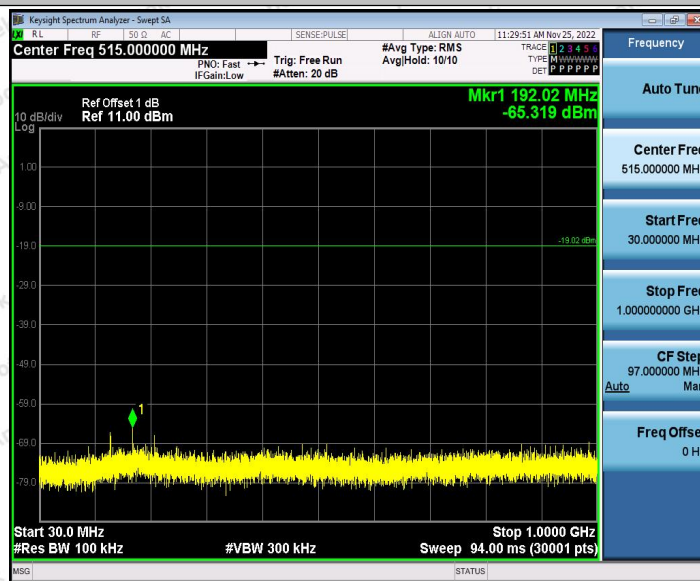


Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

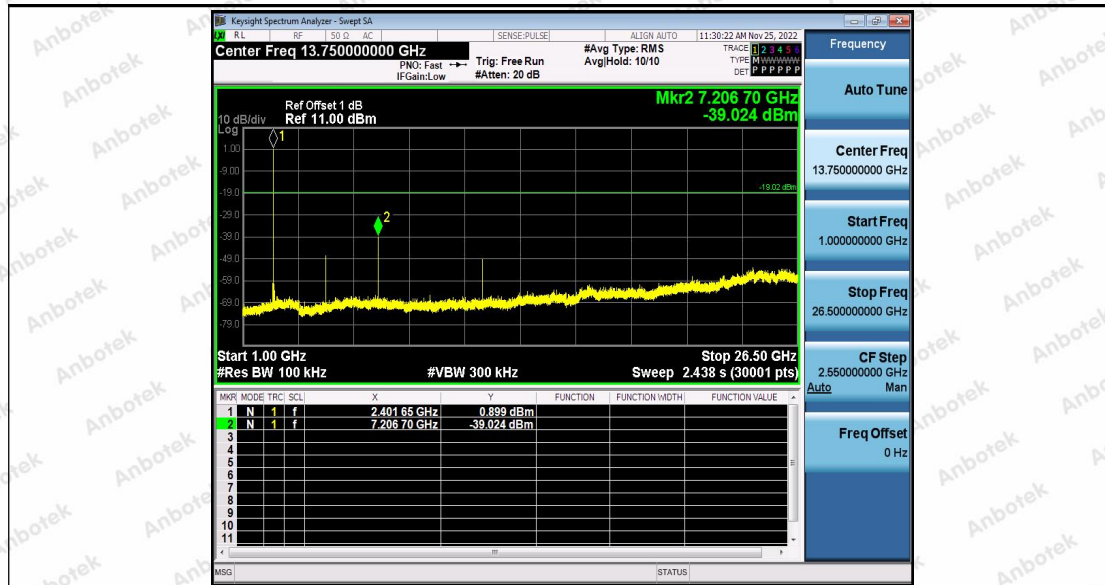
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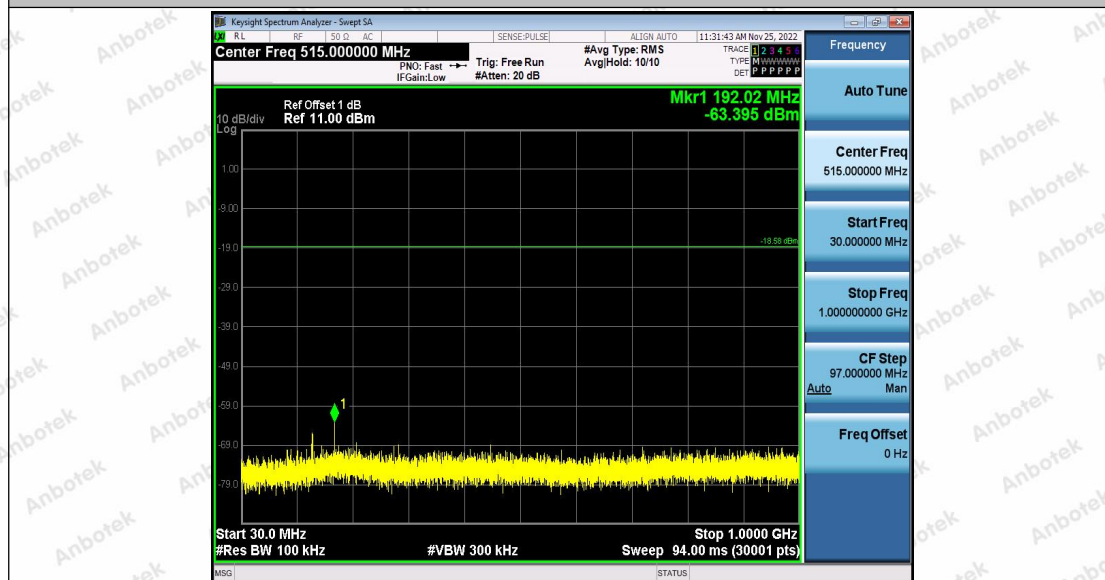




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



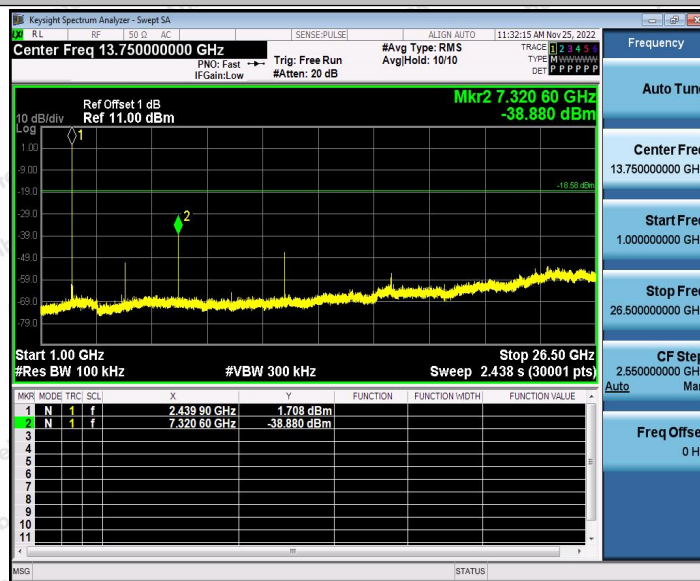
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000

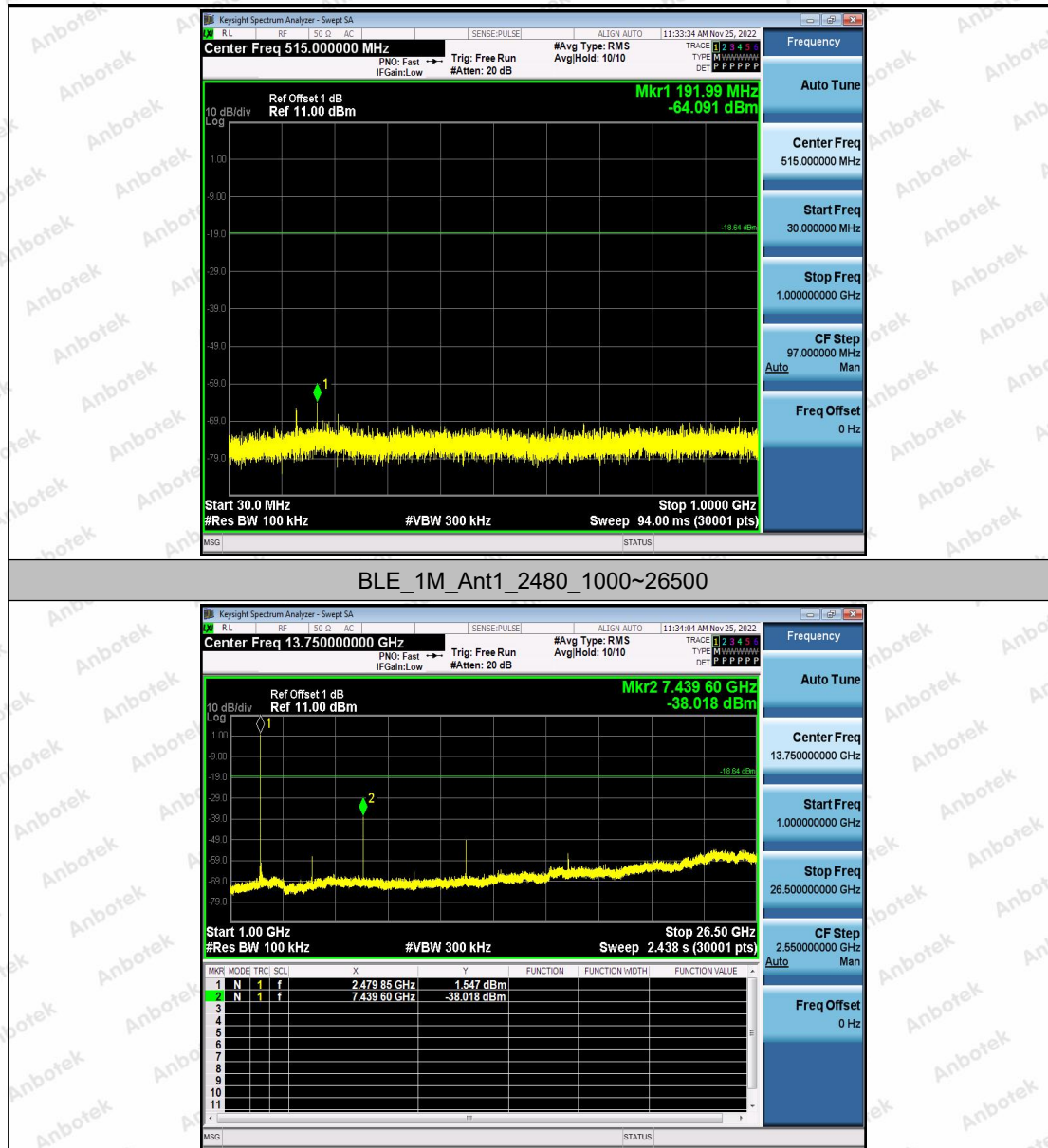
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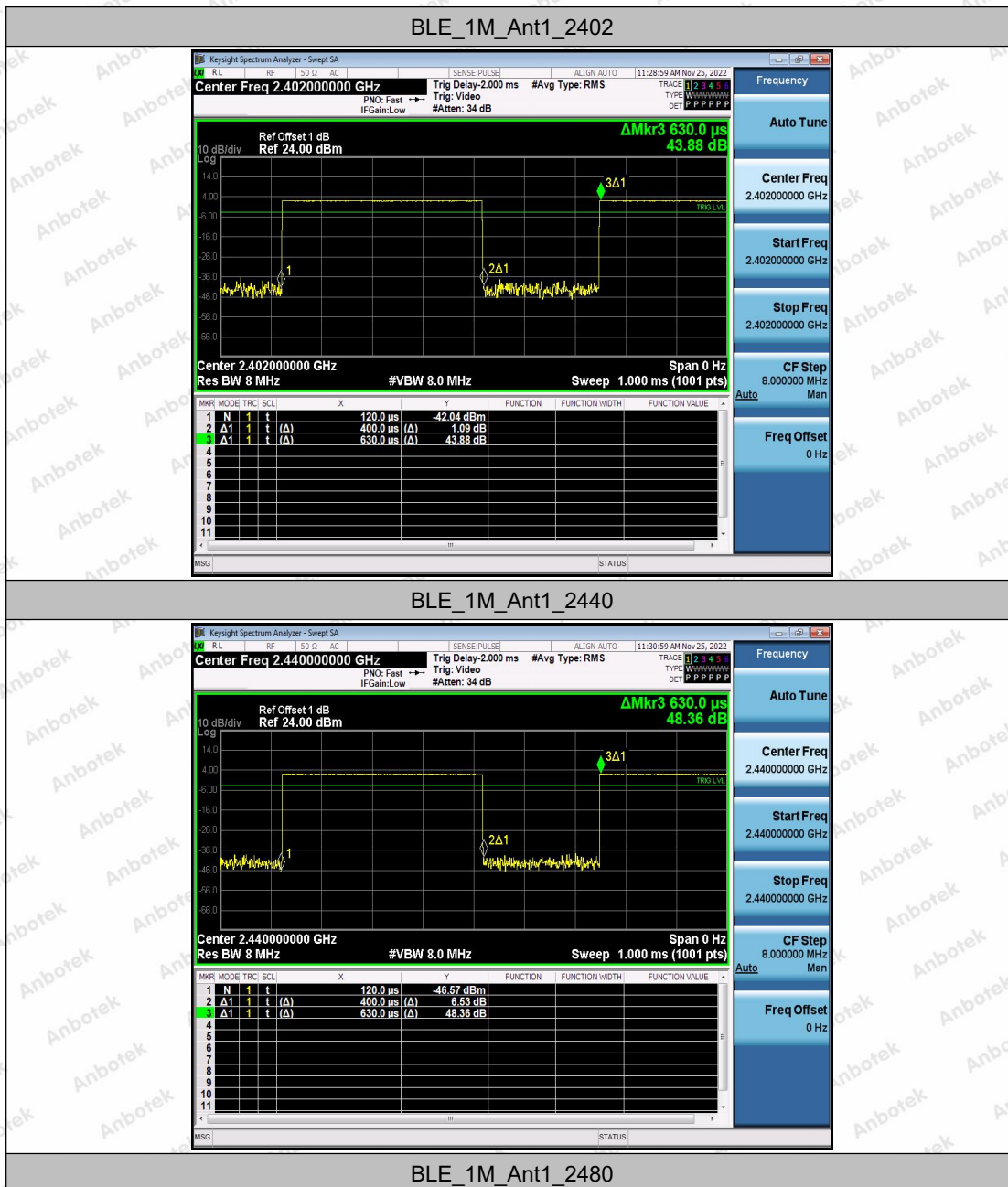
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.40	0.63	0.634 9	63.49	1.97	---	---
		2440	0.40	0.63	0.634 9	63.49	1.97	---	---
		2480	0.40	0.63	0.634 9	63.49	1.97	---	---



Test Graphs



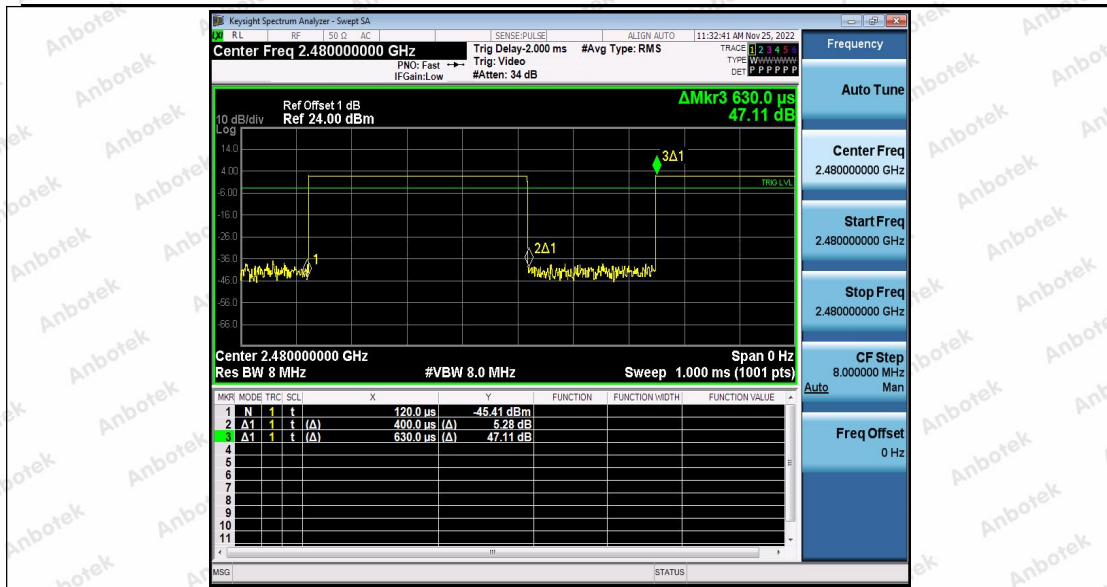
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