

Appendix Test Data

Report No.:	18220WC40011702	Test Sample No.:	1-2-2
Start Test Date:	2024.2.28	Finish Test Date:	2024.2.28
Test Engineer:	<i>Joker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.3°C	Relative Humidity:	48%
Pressure:	101kPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.504	2401.700	2402.204	0.5	PASS
		2440	0.516	2439.696	2440.212	0.5	PASS
		2480	0.528	2479.688	2480.216	0.5	PASS

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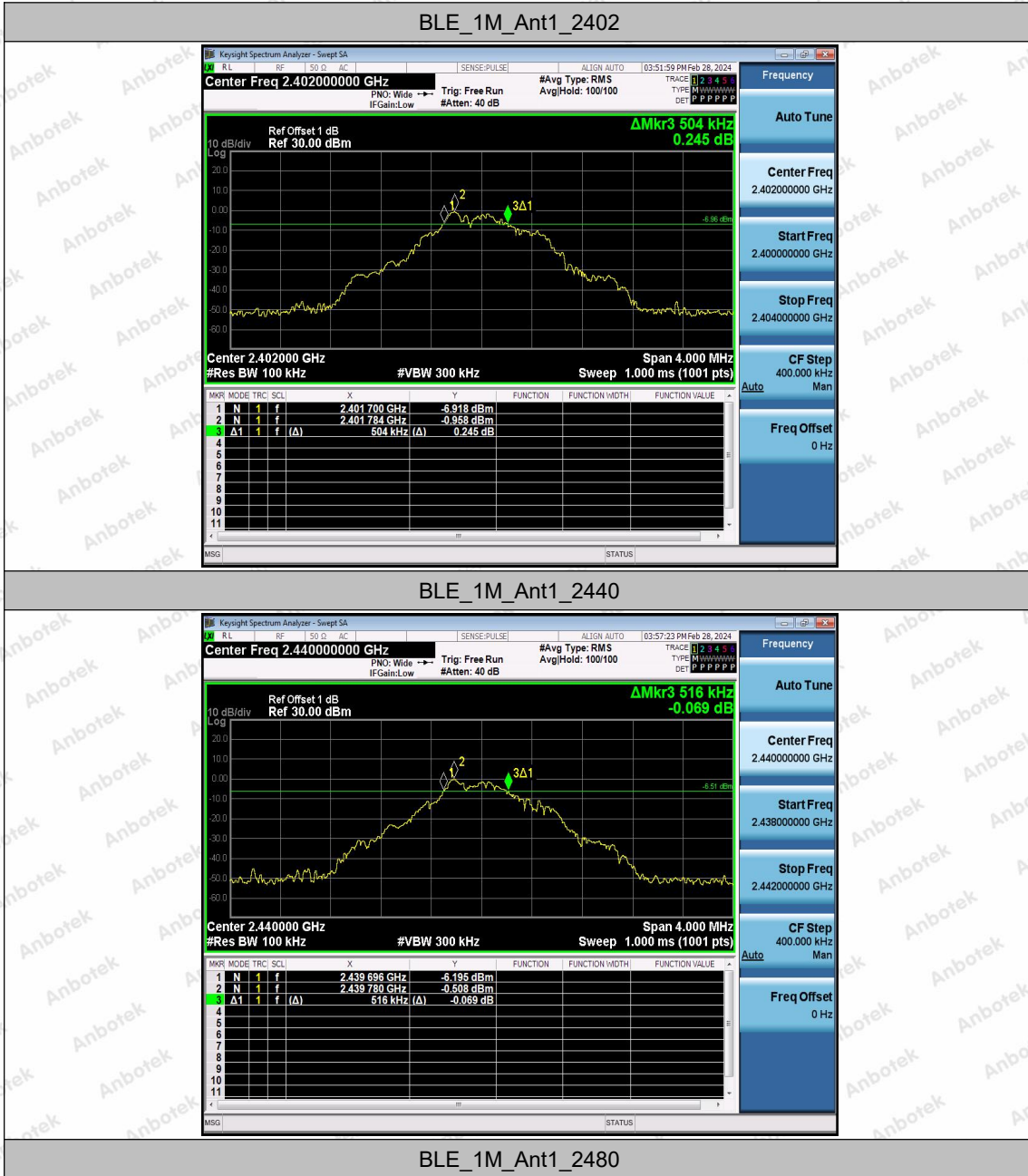
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Test Graphs



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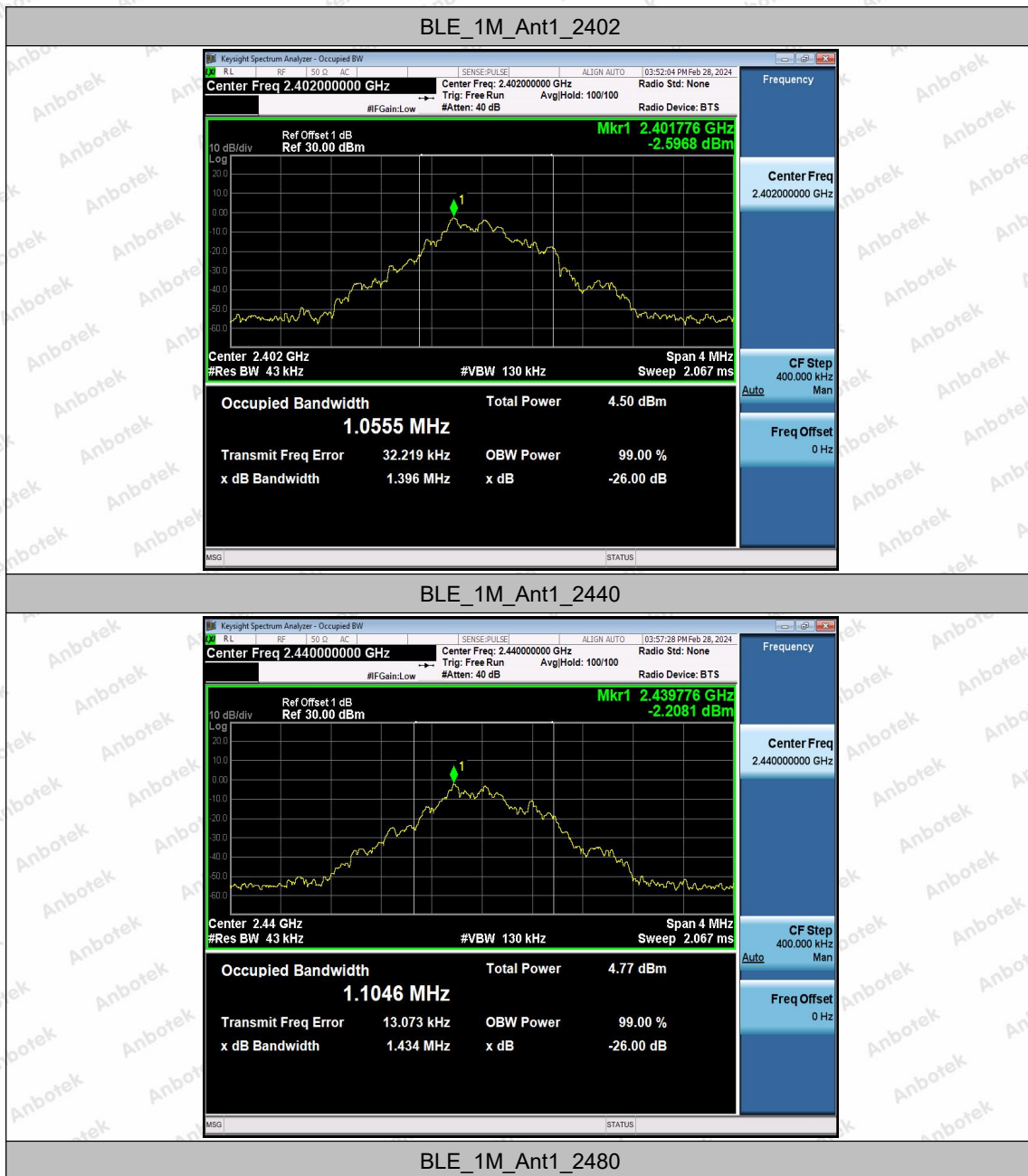


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0555	2401.5045	2402.5600
		2440	1.1046	2439.4608	2440.5654
		2480	1.1399	2479.4257	2480.5656

Test Graphs





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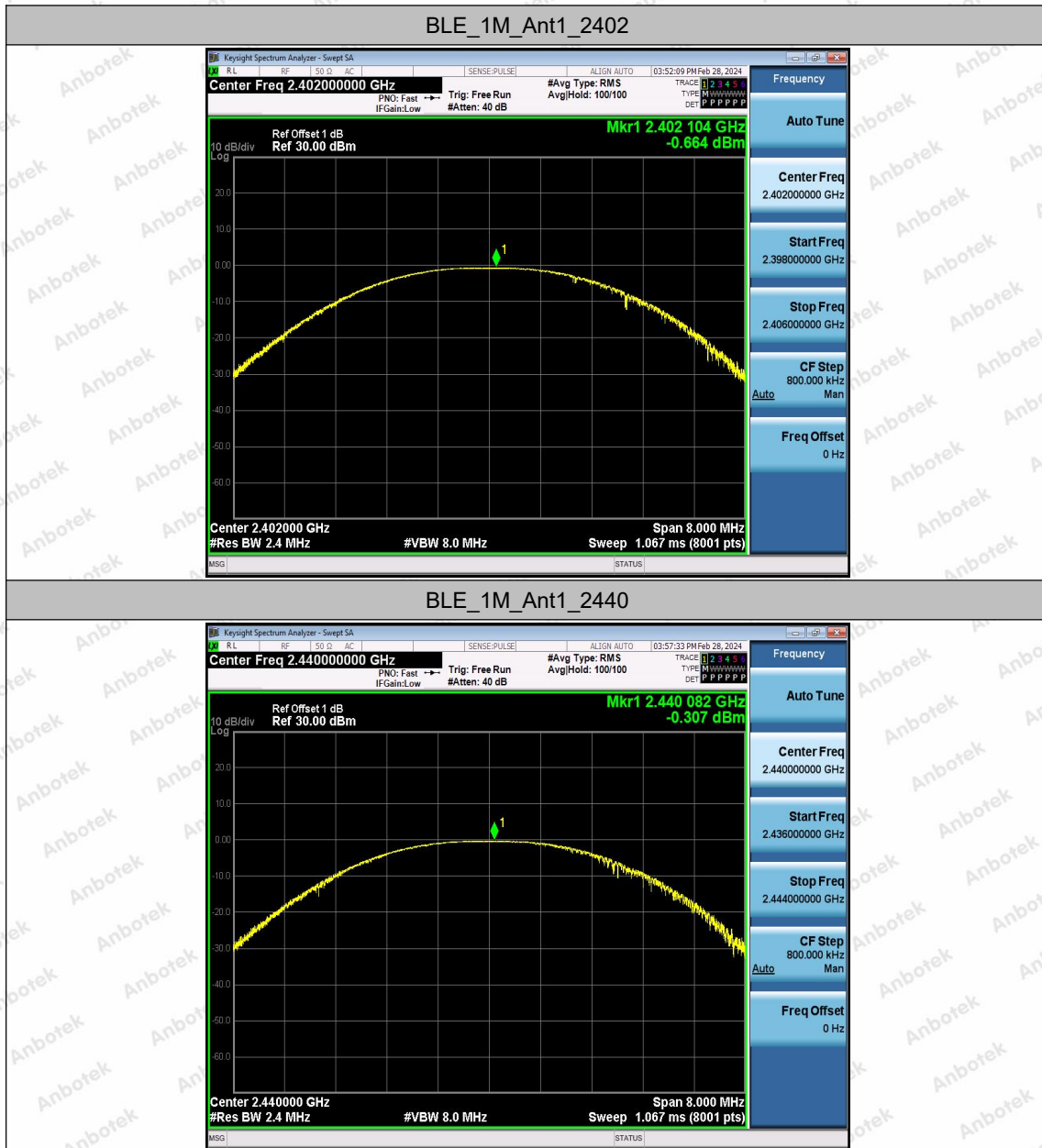


Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.66	≤30	PASS
		2440	-0.31	≤30	PASS
		2480	0.21	≤30	PASS

Test Graphs Peak

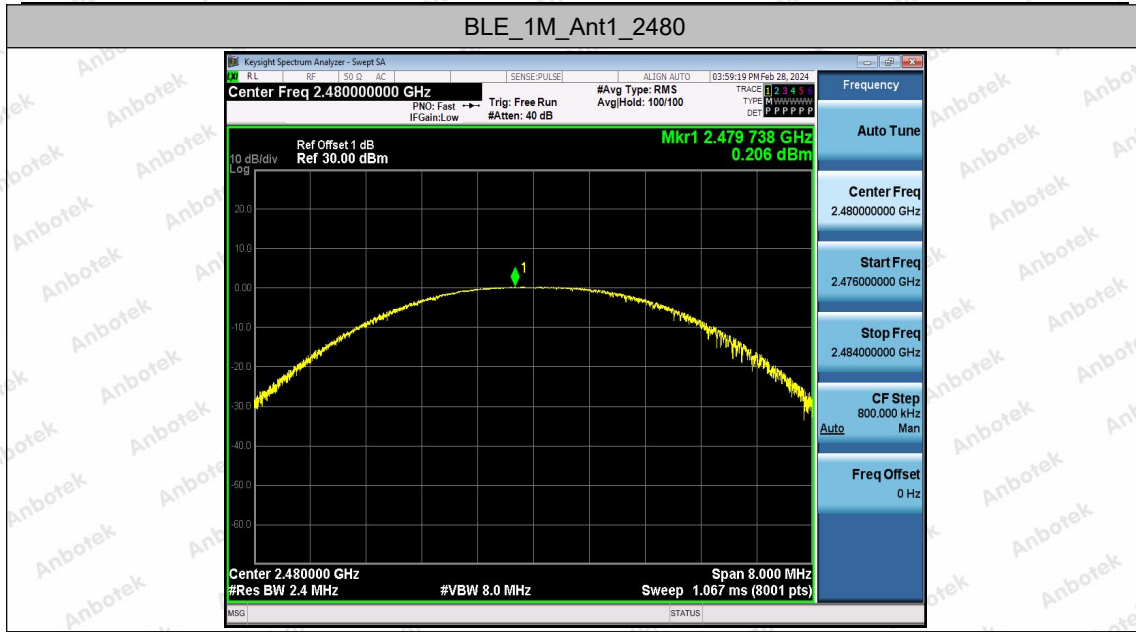


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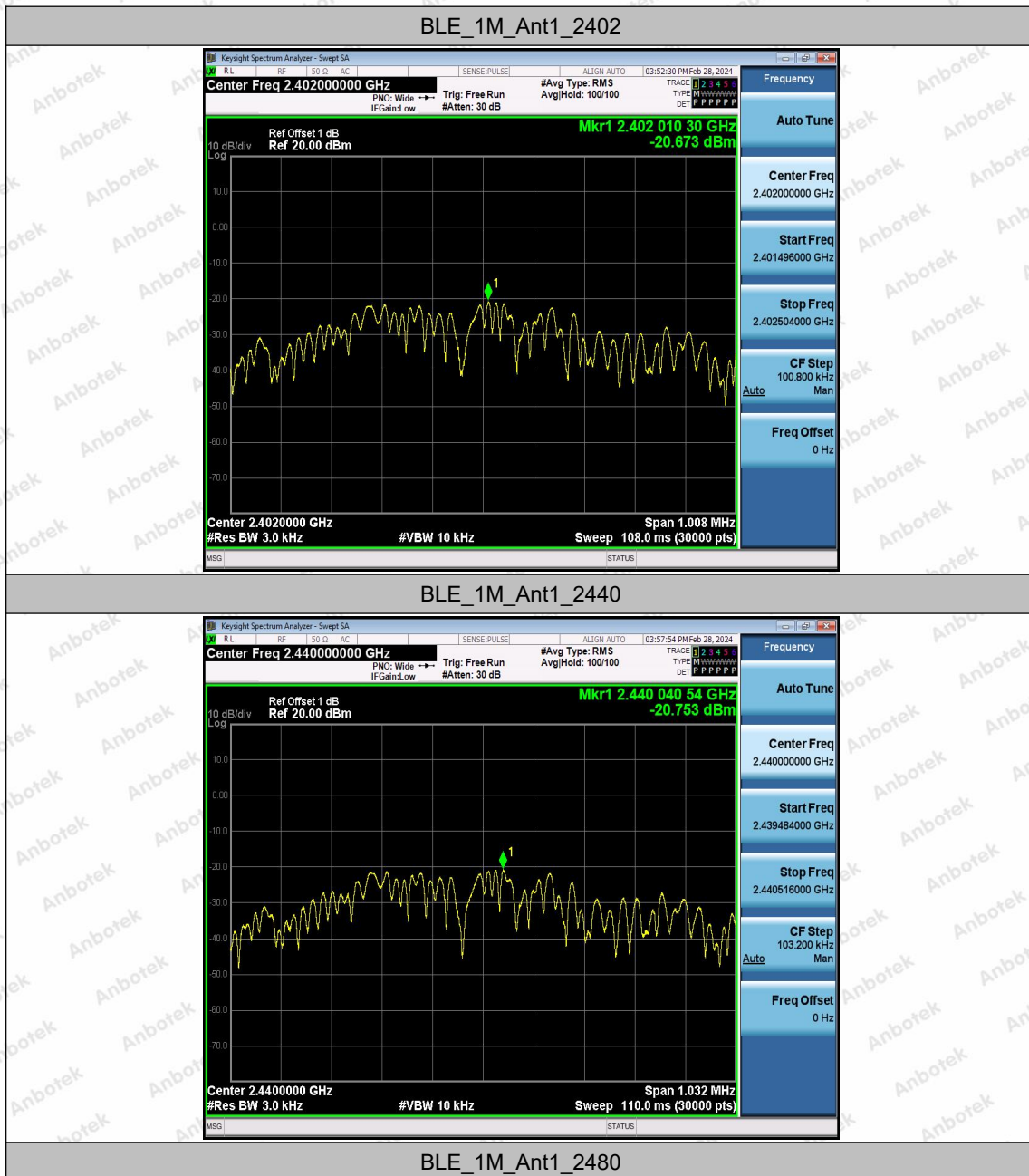


Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-20.67	≤8.00	PASS
		2440	-20.75	≤8.00	PASS
		2480	-20.22	≤8.00	PASS

Test Graphs

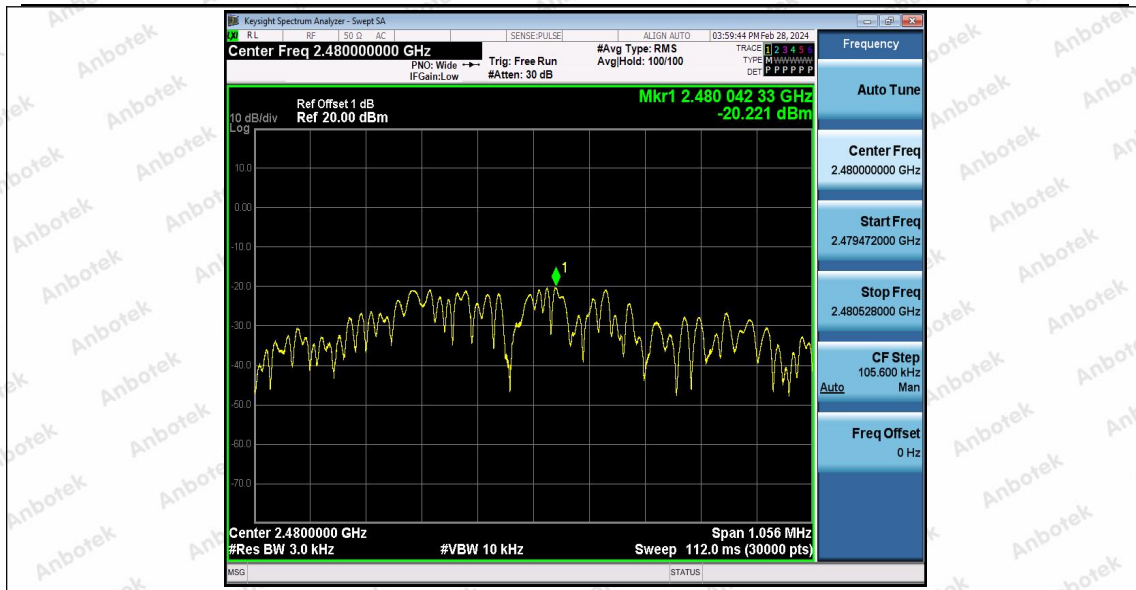


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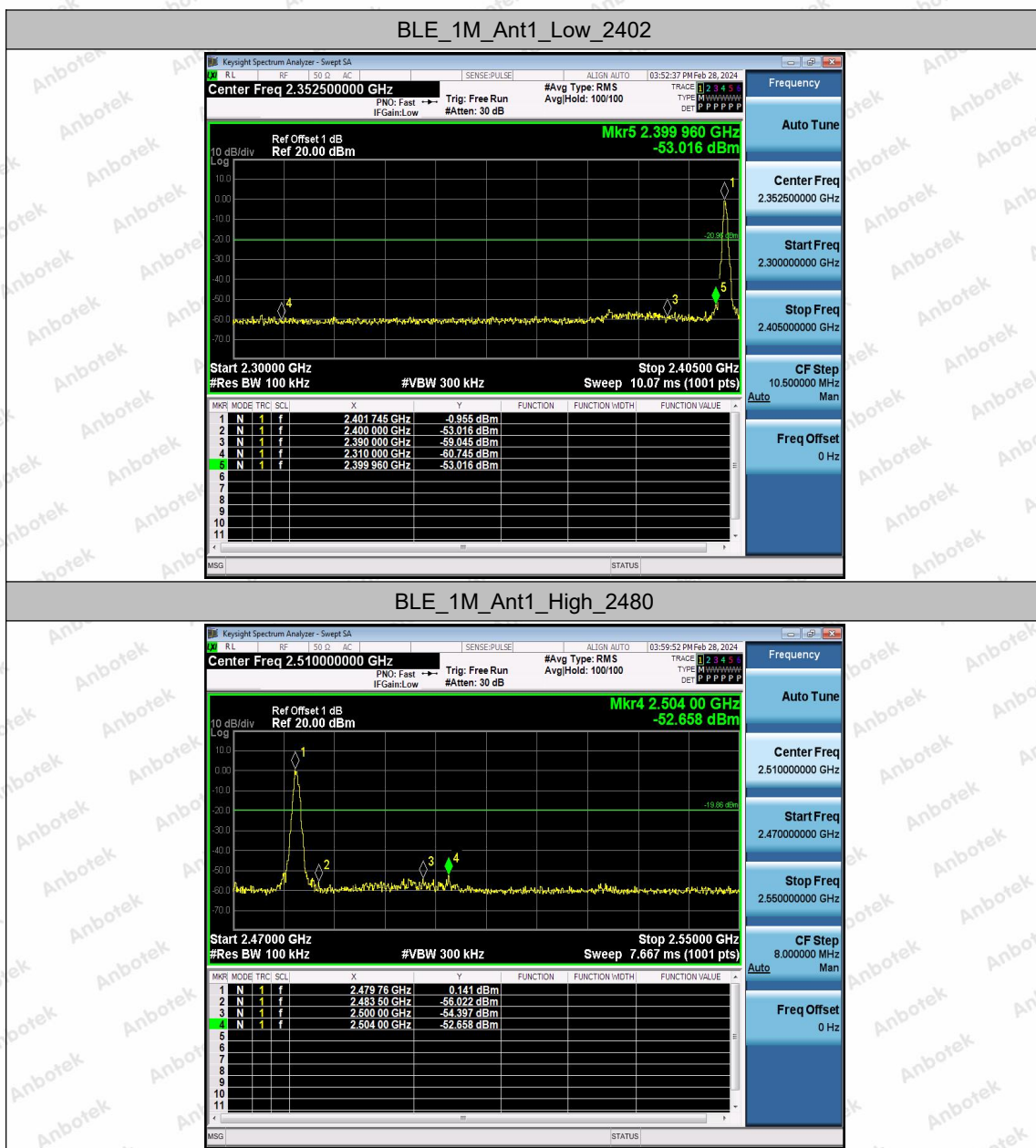


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.96	-53.02	≤-20.96	PASS
		High	2480	0.14	-52.66	≤-19.86	PASS

Test Graphs



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	-0.89	-0.89	---	PASS
			30~1000	-0.89	-69.25	≤-20.89	PASS
			1000~26500	-0.89	-48.7	≤-20.89	PASS
		2440	Reference	-0.53	-0.53	---	PASS
			30~1000	-0.53	-68.97	≤-20.53	PASS
			1000~26500	-0.53	-51.57	≤-20.53	PASS
		2480	Reference	0.01	0.01	---	PASS
			30~1000	0.01	-69.36	≤-19.99	PASS
			1000~26500	0.01	-49.76	≤-19.99	PASS

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Test Graphs

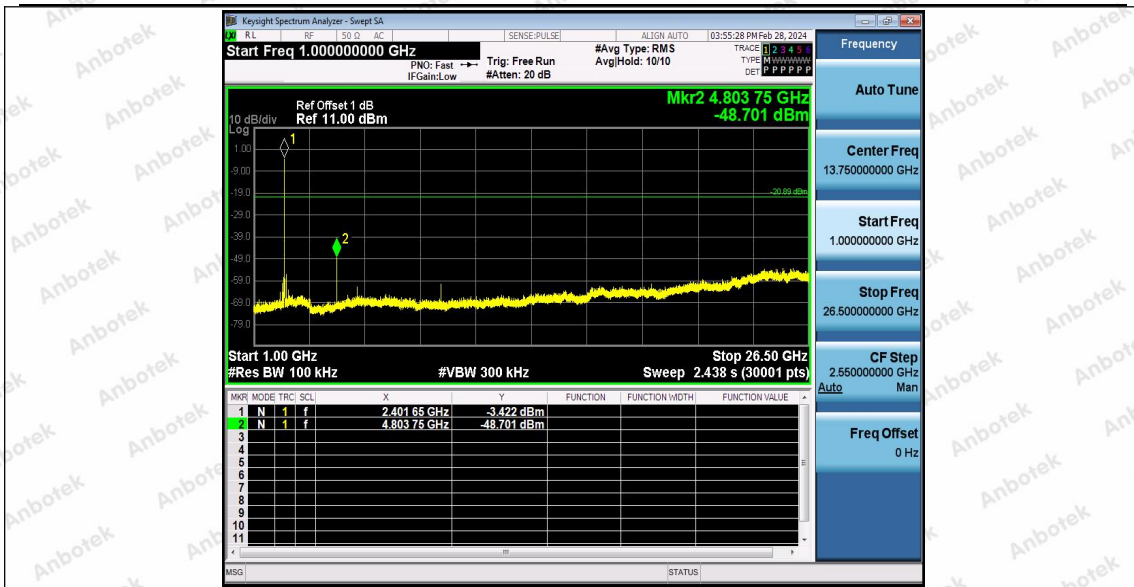


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BLE_1M_Ant1_2440_0~Reference



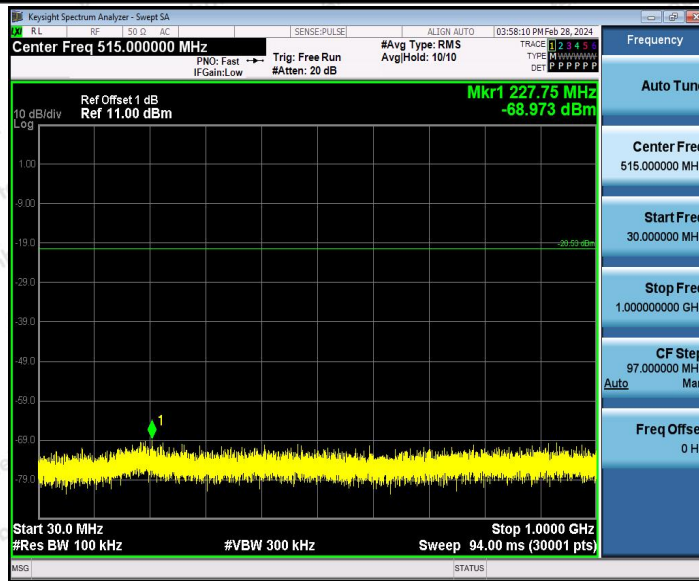
BLE_1M_Ant1_2440_30~1000

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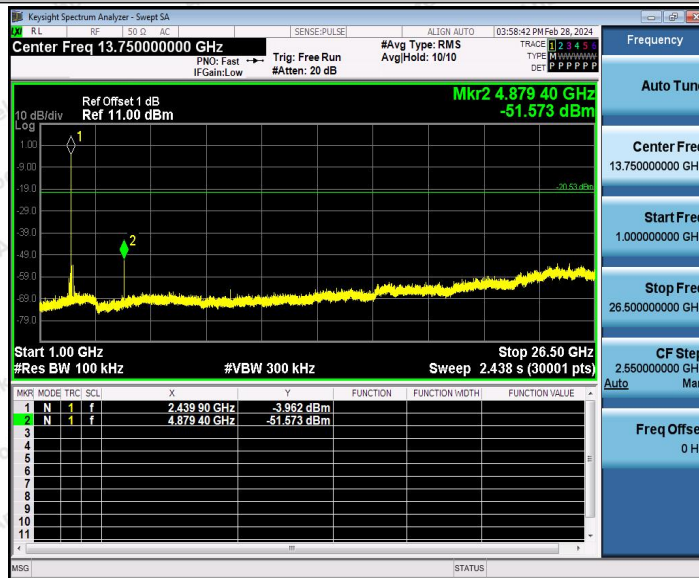
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

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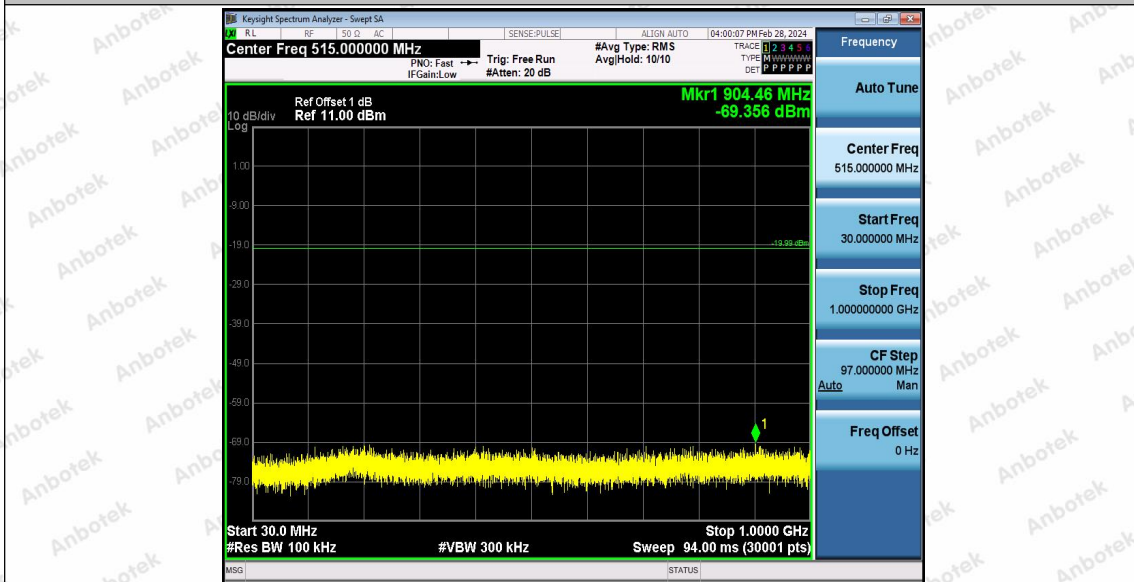
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BLE_1M_Ant1_2480_30~1000



BLE_1M_Ant1_2480_1000~26500

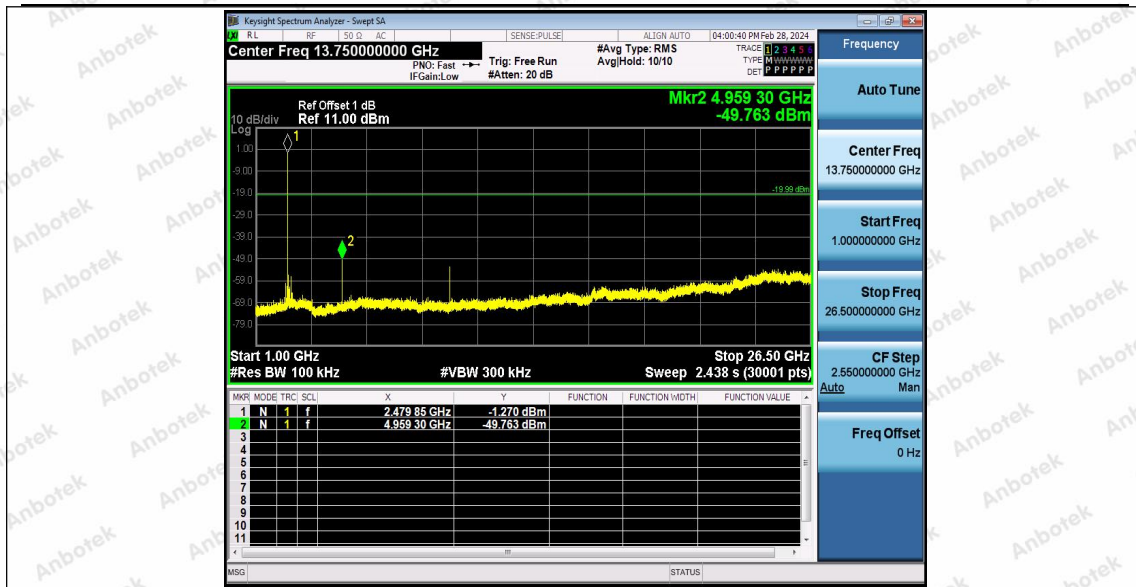
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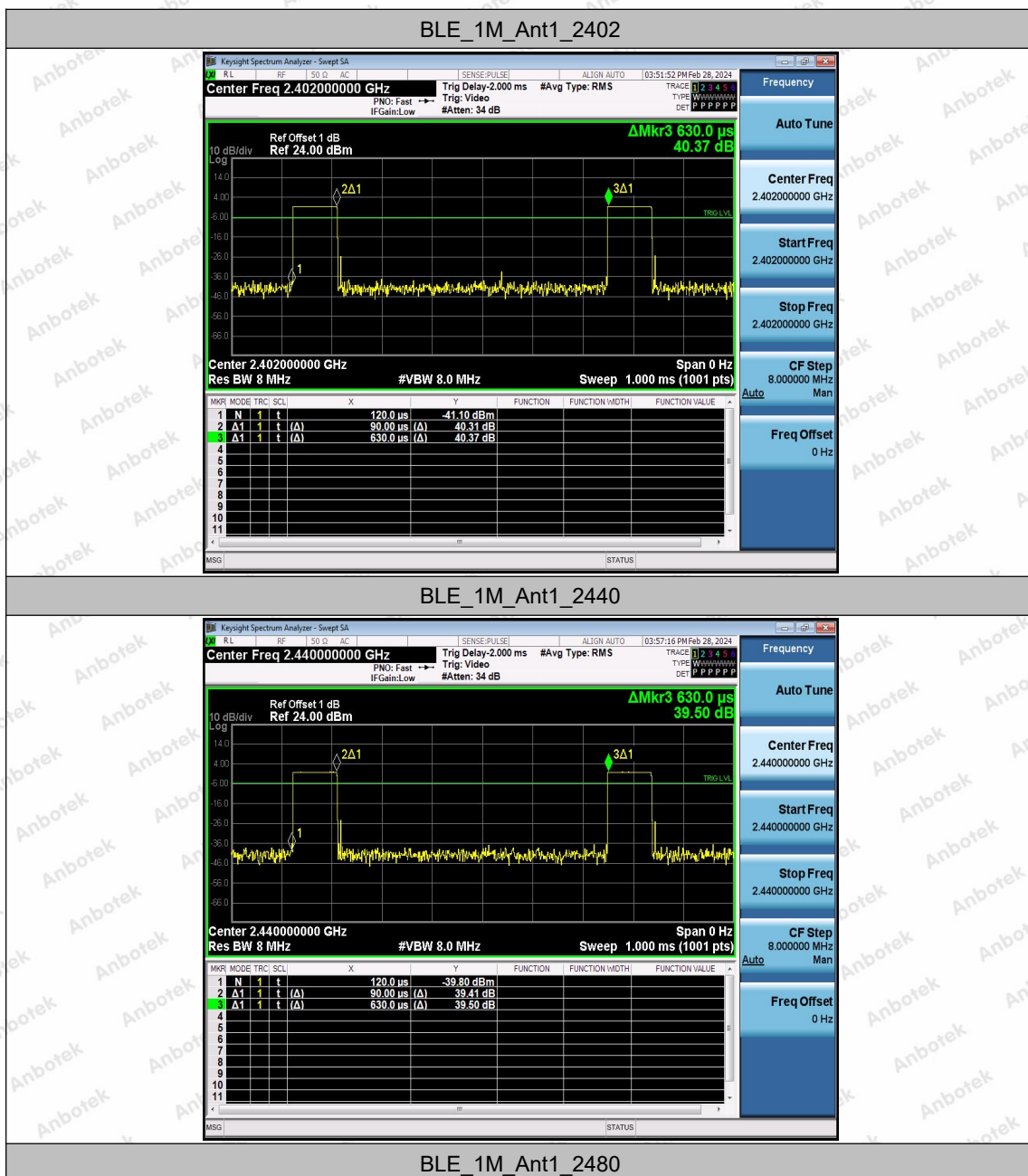


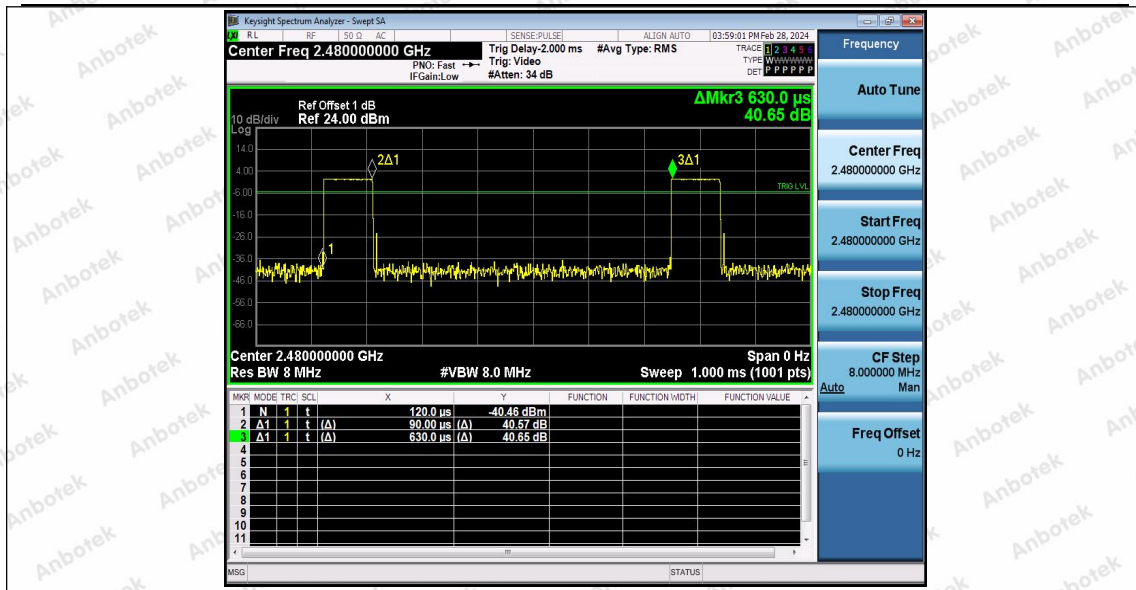
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.09	0.63	14.29	8.45
		2440	0.09	0.63	14.29	8.45
		2480	0.09	0.63	14.29	8.45

Test Graphs





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