

Appendix Test Data

Report No.:	18220WC30250901	Test Sample No.:	1-2-2
Start Test Date:	2023.12.04	Finish Test Date:	2023.12.05
Test Engineer:	Hayman Chen	Auditor:	RICK Luo
Temperature:	25.7°C	Relative Humidity:	45%
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	0.684	2401.664	2402.348	0.5	PASS
		2440	0.684	2439.652	2440.336	0.5	PASS
		2480	0.688	2479.652	2480.340	0.5	PASS

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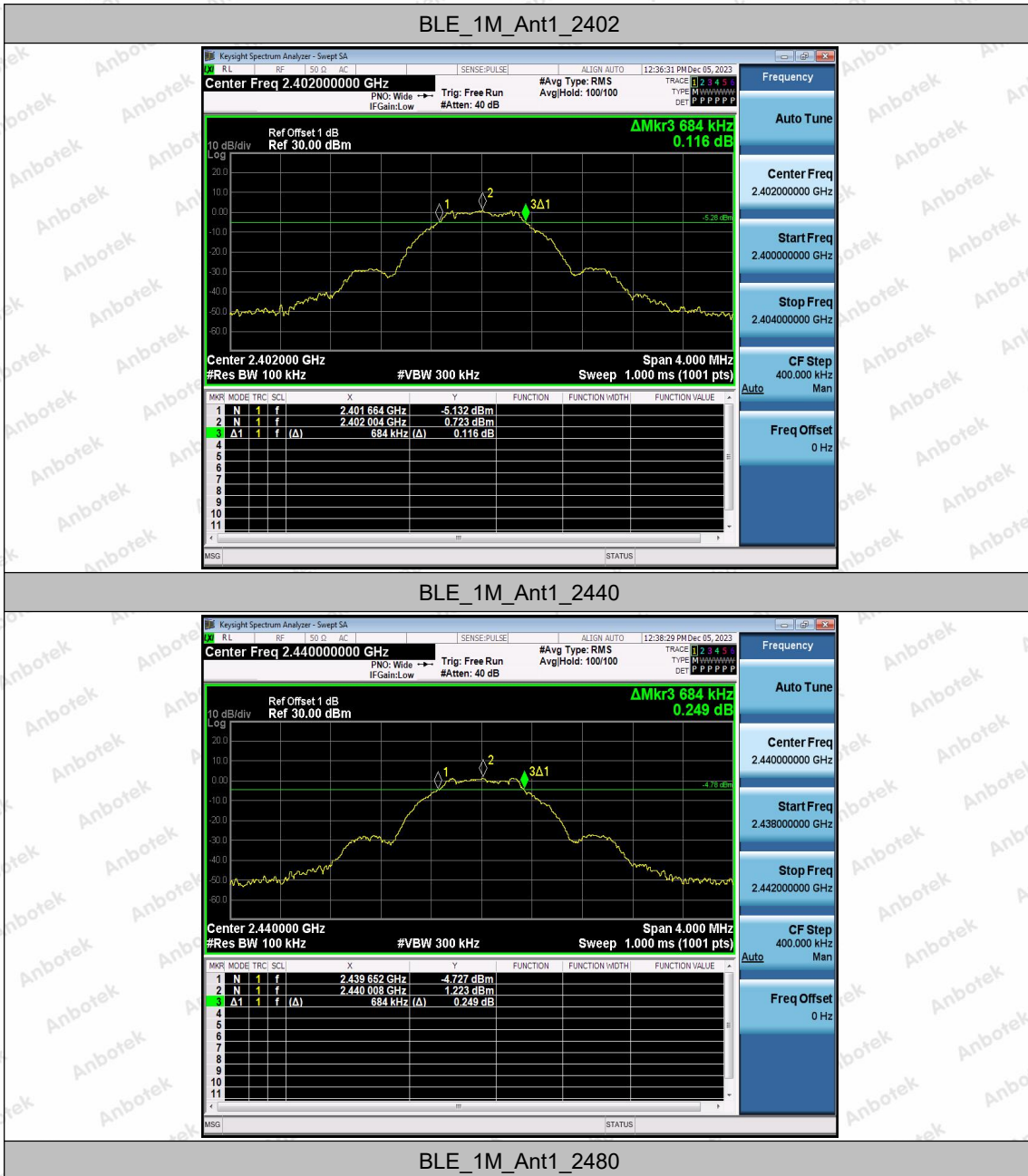
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Test Graphs

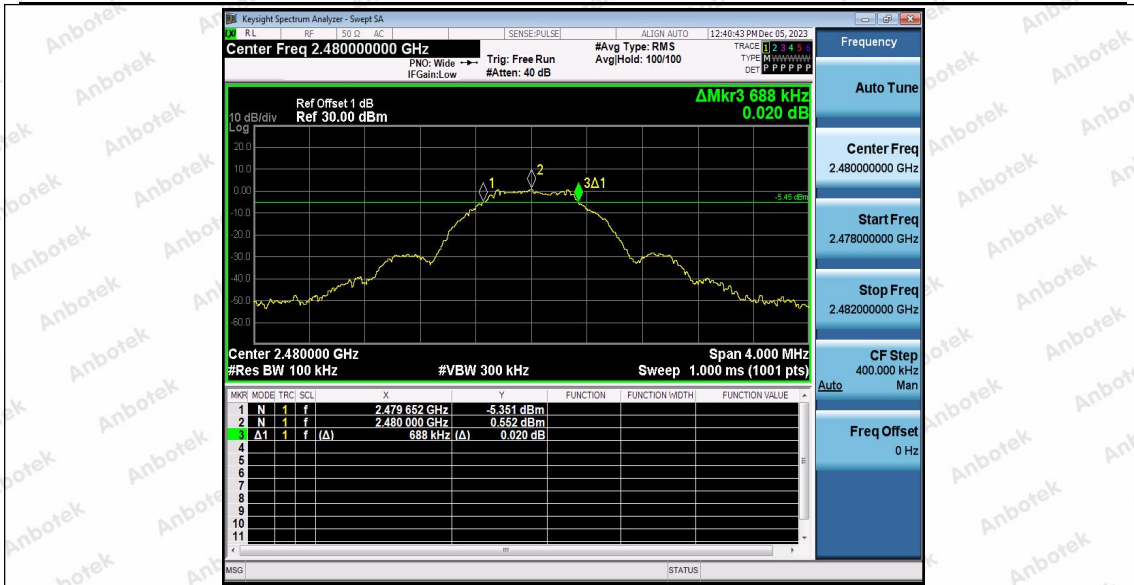


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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0222	2401.4977	2402.5199
		2440	1.0256	2439.4984	2440.5240
		2480	1.0290	2479.4979	2480.5269



Test Graphs



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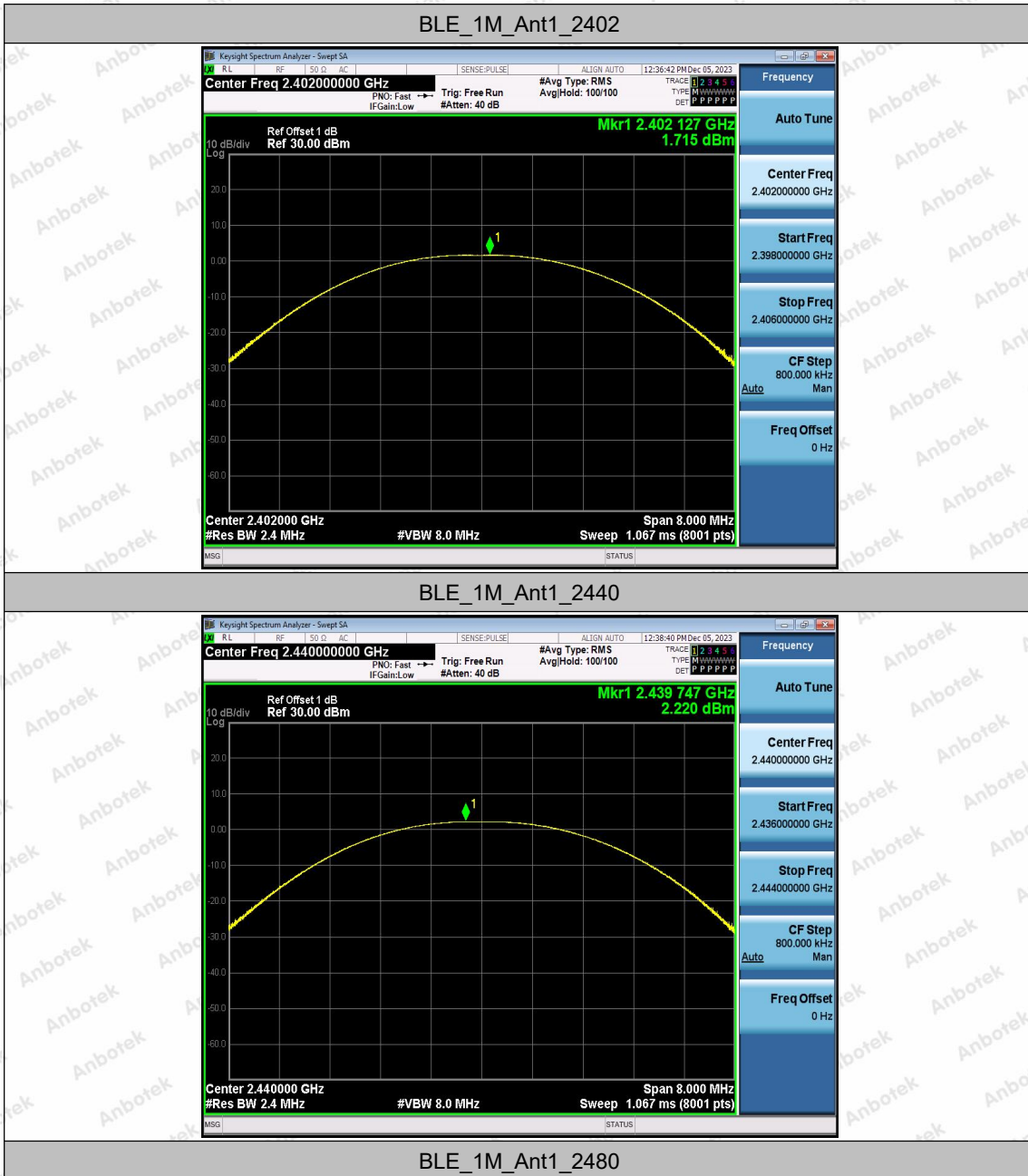
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.72	≤30	PASS
		2440	2.22	≤30	PASS
		2480	1.49	≤30	PASS



Test Graphs Peak



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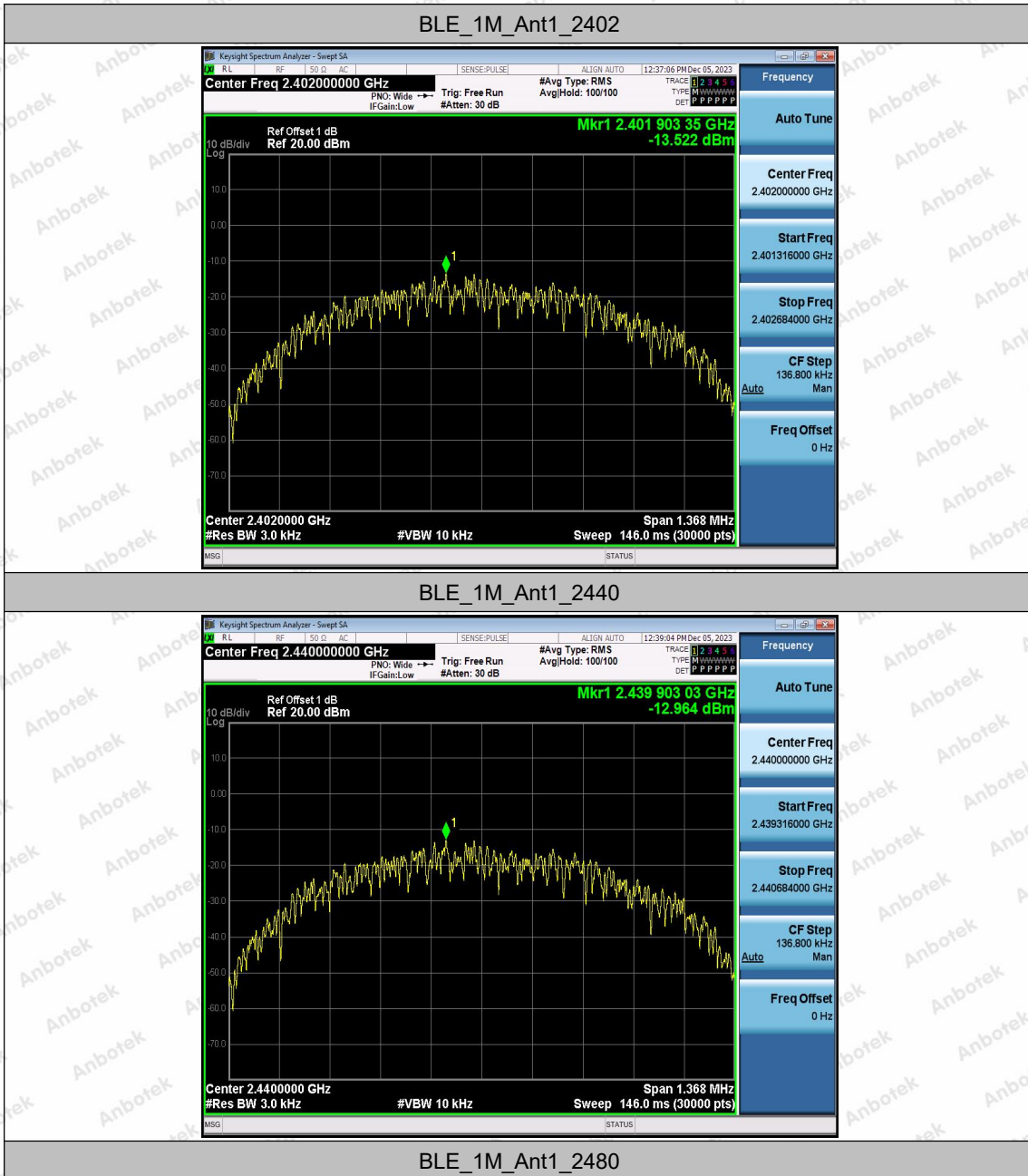
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.52	≤8.00	PASS
		2440	-12.96	≤8.00	PASS
		2480	-13.63	≤8.00	PASS



Test Graphs

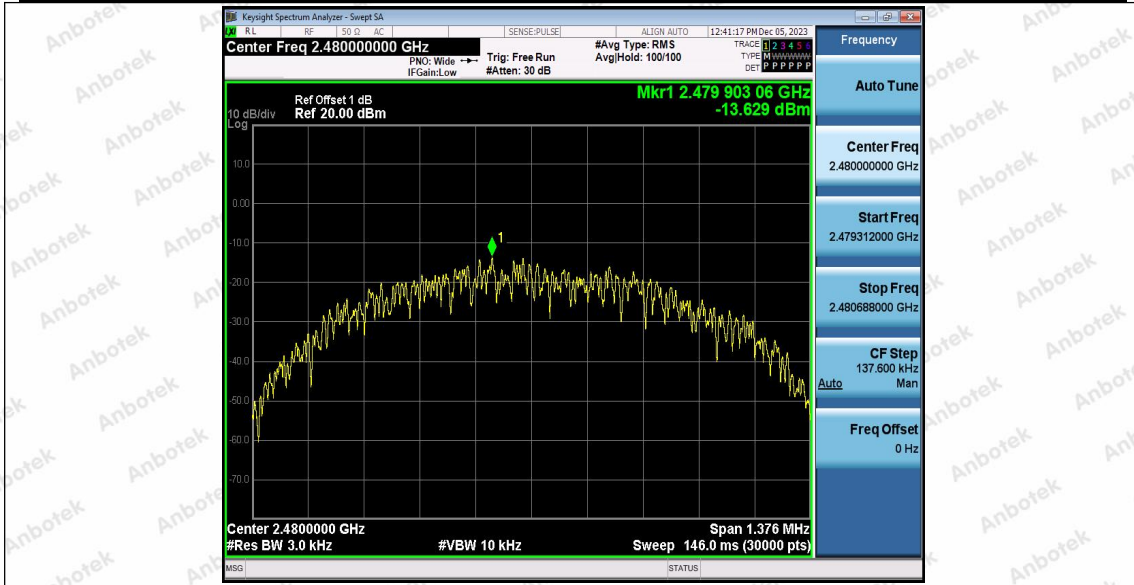


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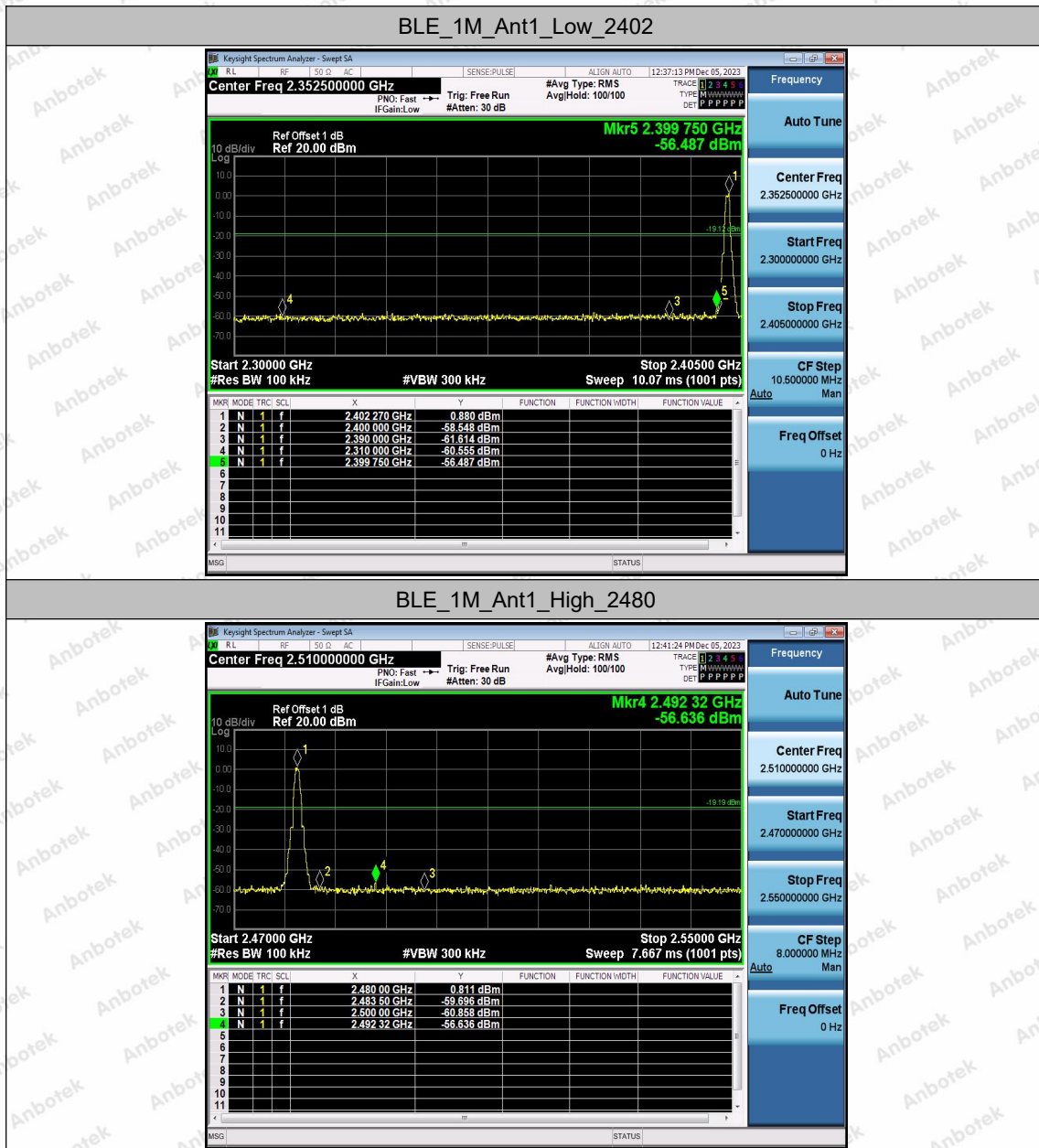


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.88	-56.49	≤-19.12	PASS
		High	2480	0.81	-56.64	≤-19.19	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	0.64	0.64	---	PASS
			30~1000	0.64	-68.74	≤-19.36	PASS
			1000~26500	0.64	-53.24	≤-19.36	PASS
		2440	Reference	1.24	1.24	---	PASS
			30~1000	1.24	-66.44	≤-18.76	PASS
			1000~26500	1.24	-53.02	≤-18.76	PASS
		2480	Reference	0.56	0.56	---	PASS
			30~1000	0.56	-66.69	≤-19.44	PASS
			1000~26500	0.56	-53.42	≤-19.44	PASS



Test Graphs

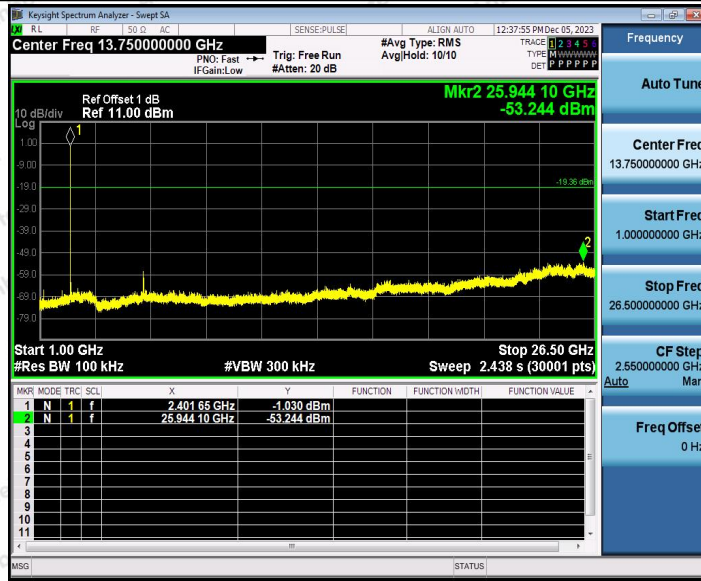


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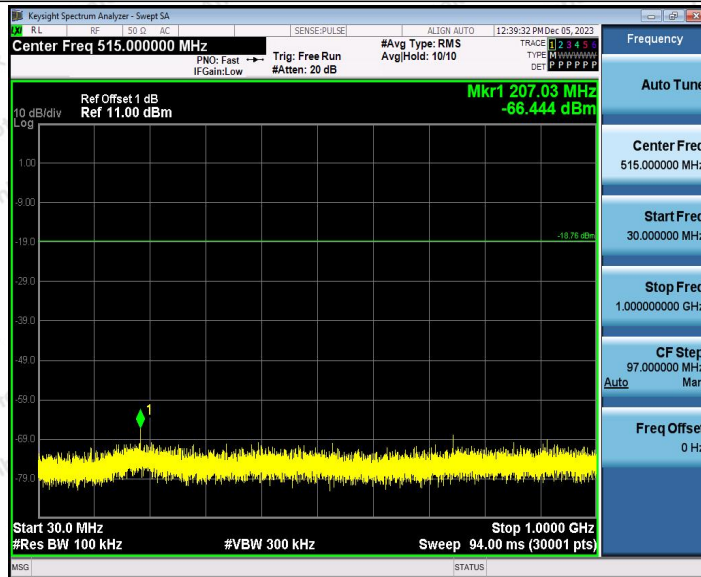




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



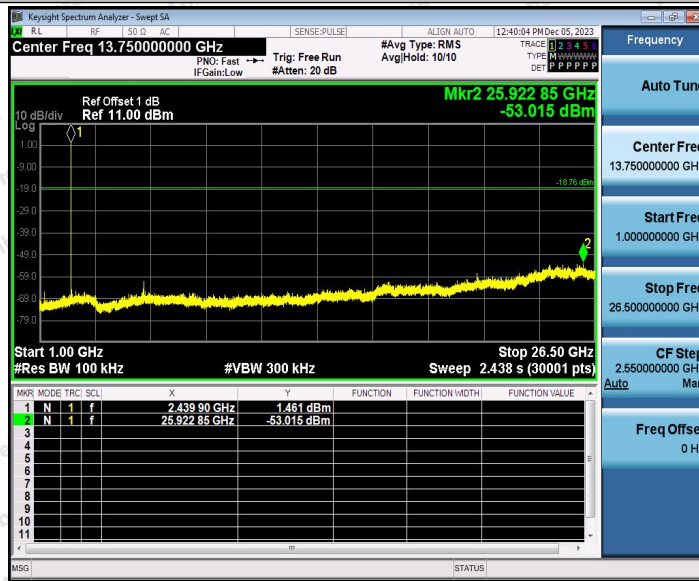
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000

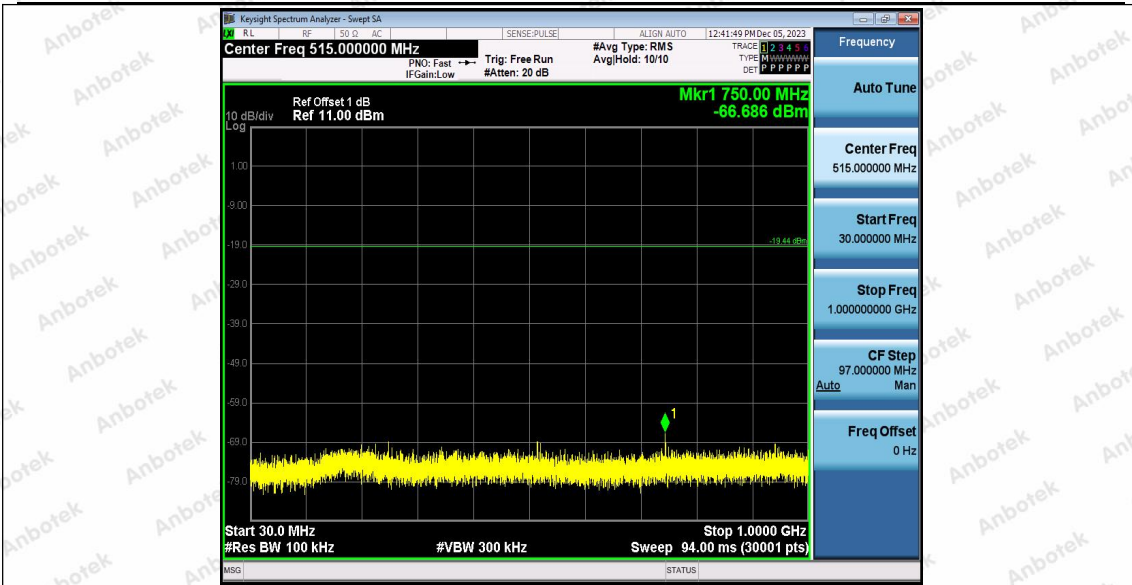
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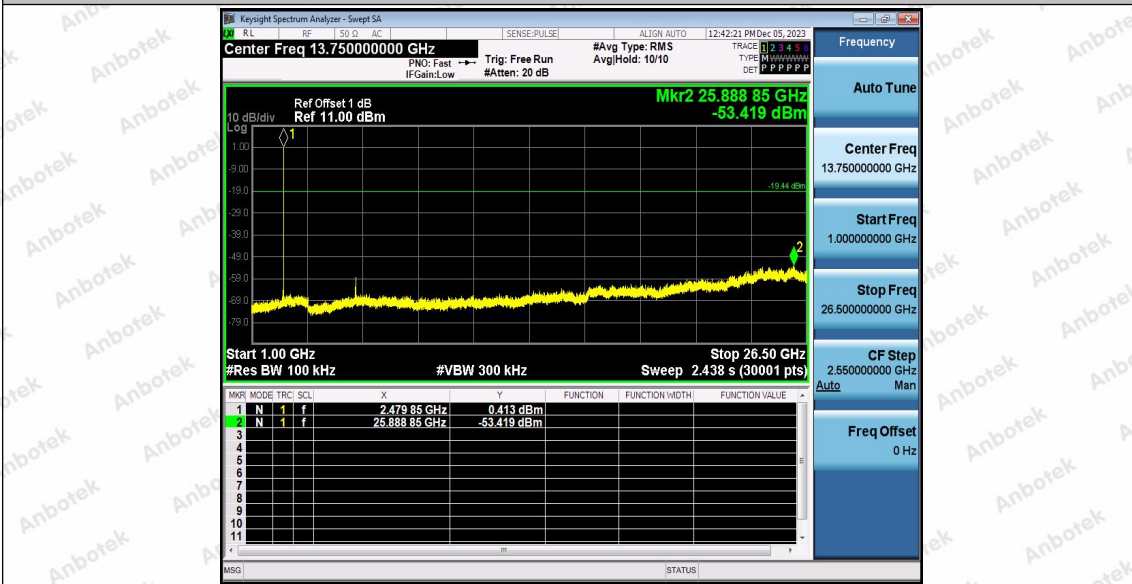


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BLE_1M_Ant1_2480_1000~26500



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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	19.00	19.00	100	0.00
		2440	19.00	19.00	100	0.00
		2480	19.00	19.00	100	0.00

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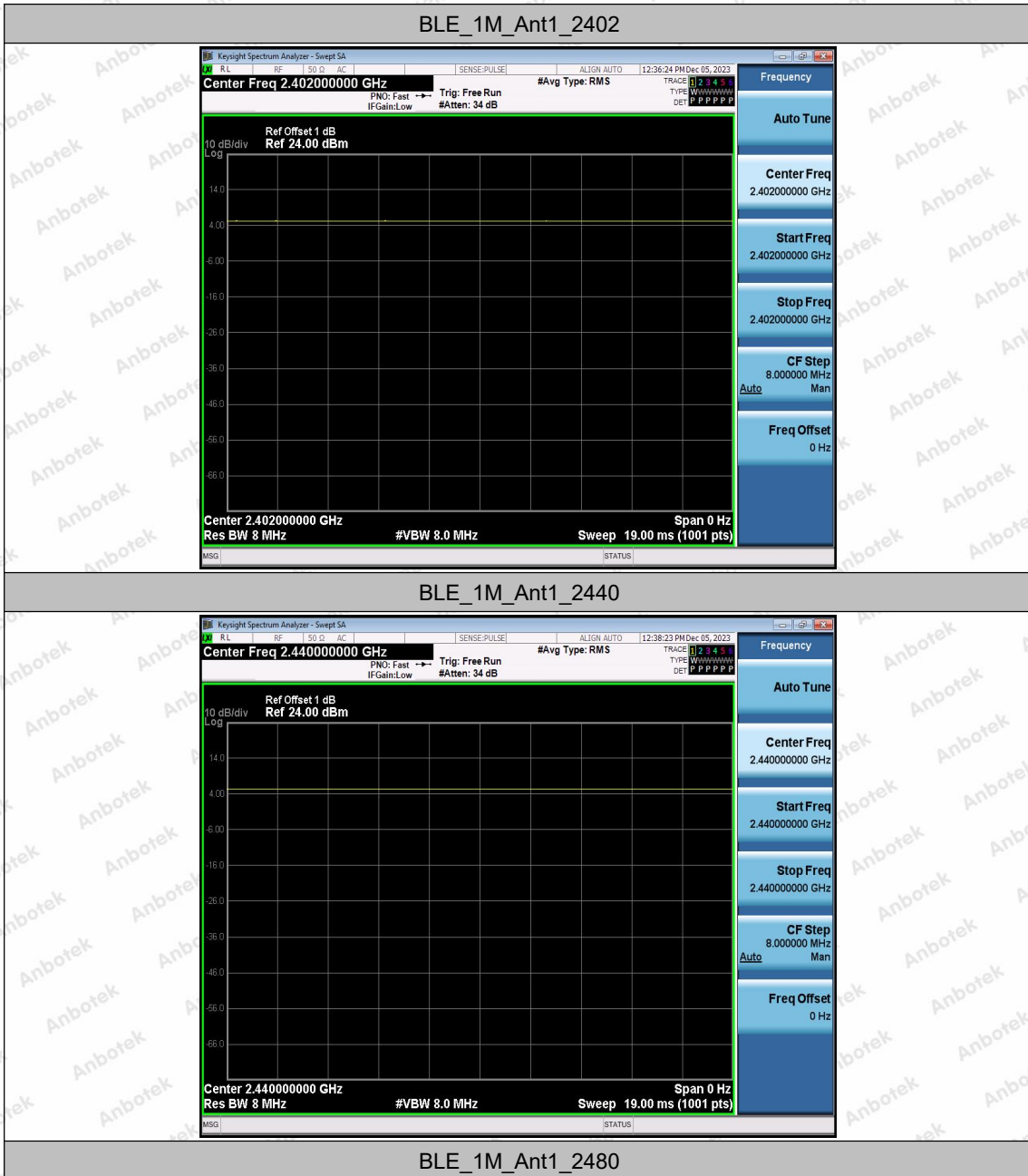
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Test Graphs

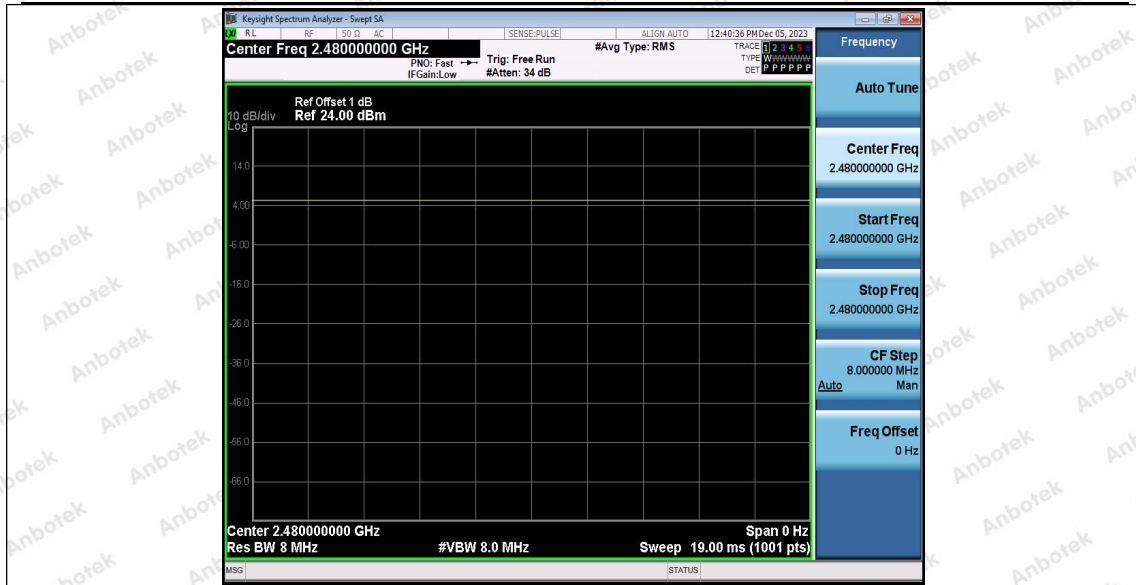


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