

Appendix Test Data

Report No.:	18220WC20208602	Test Sample No.:	1-2-2
Start Test Date:	2022.9.5	Finish Test Date:	2022.9.8
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	27.3C°	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	0.804	2401.600	2402.404	0.5	PASS
		2440	0.796	2439.608	2440.404	0.5	PASS
		2480	0.768	2479.628	2480.396	0.5	PASS

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Test Graphs

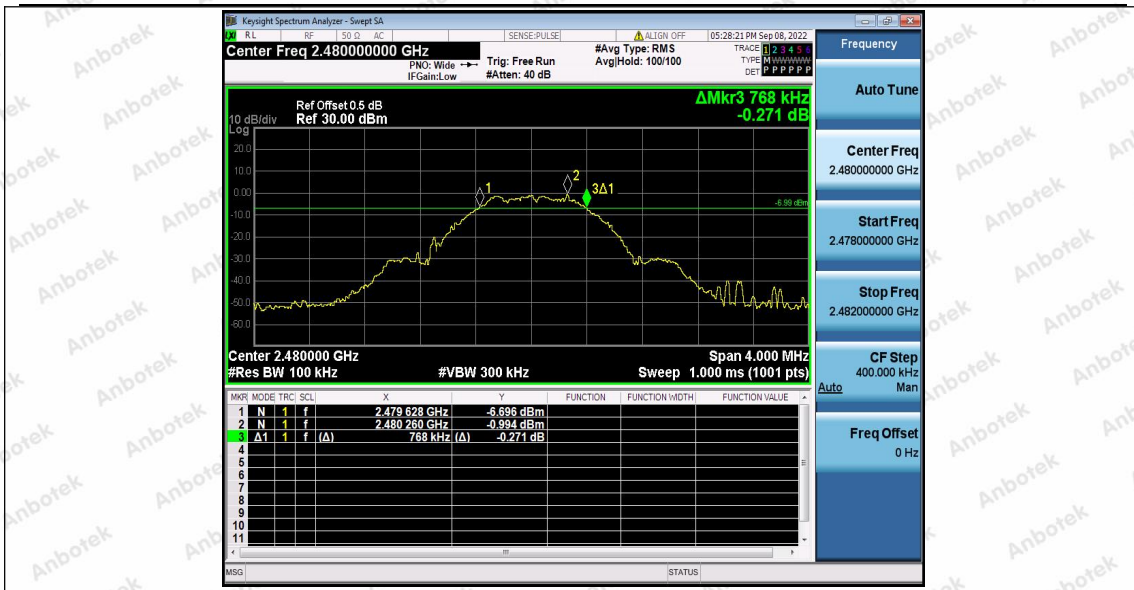


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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
BLE_1M	Ant1	2402	1.0899	2401.4568	2402.5467
		2440	1.0877	2439.4633	2440.5510
		2480	1.0779	2479.4675	2480.5454

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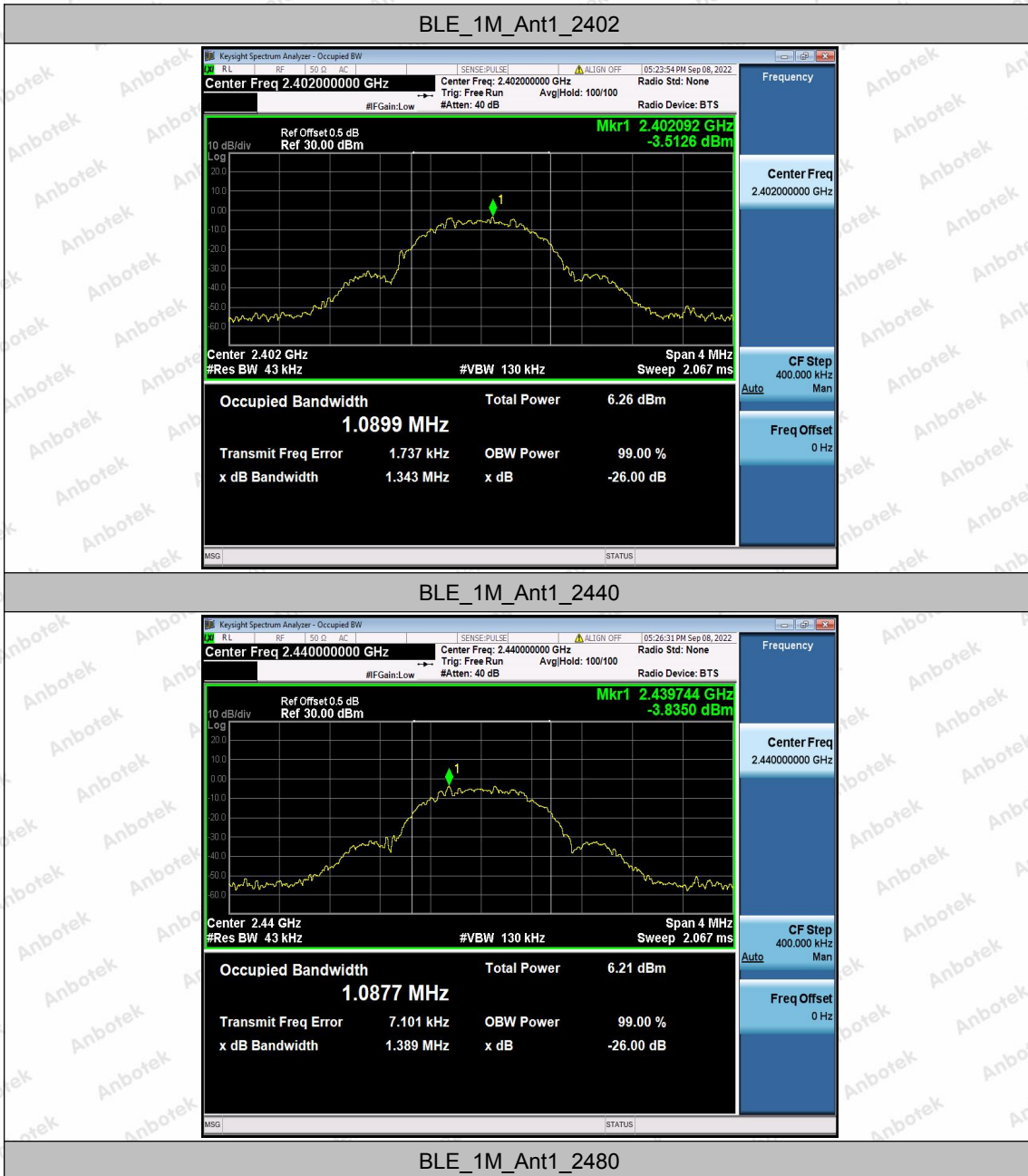
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Test Graphs



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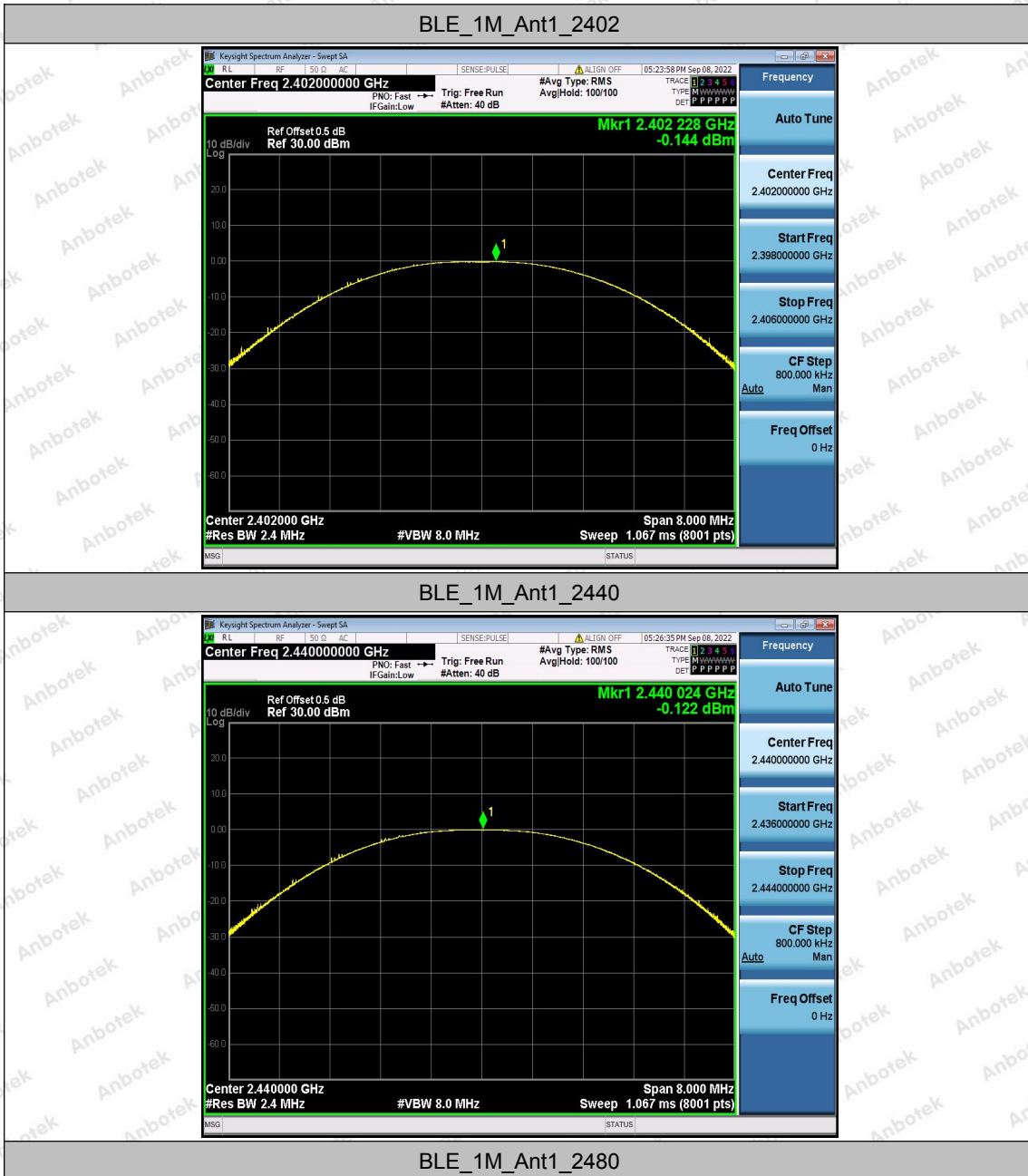
Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.14	≤30	PASS
		2440	-0.12	≤30	PASS
		2480	0.08	≤30	PASS



Test Graphs Peak



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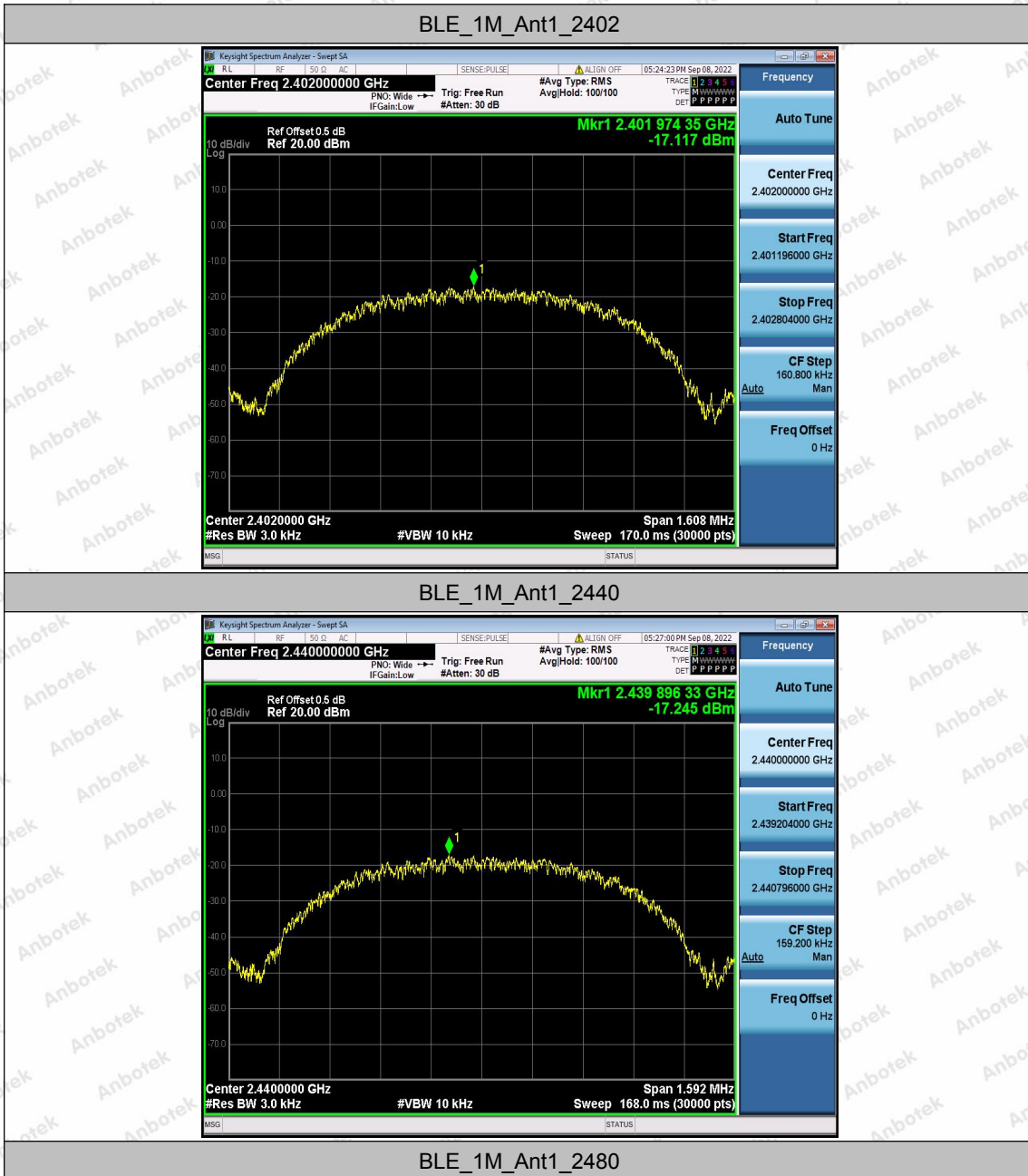
Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-17.12	≤8.00	PASS
		2440	-17.25	≤8.00	PASS
		2480	-16.95	≤8.00	PASS



Test Graphs



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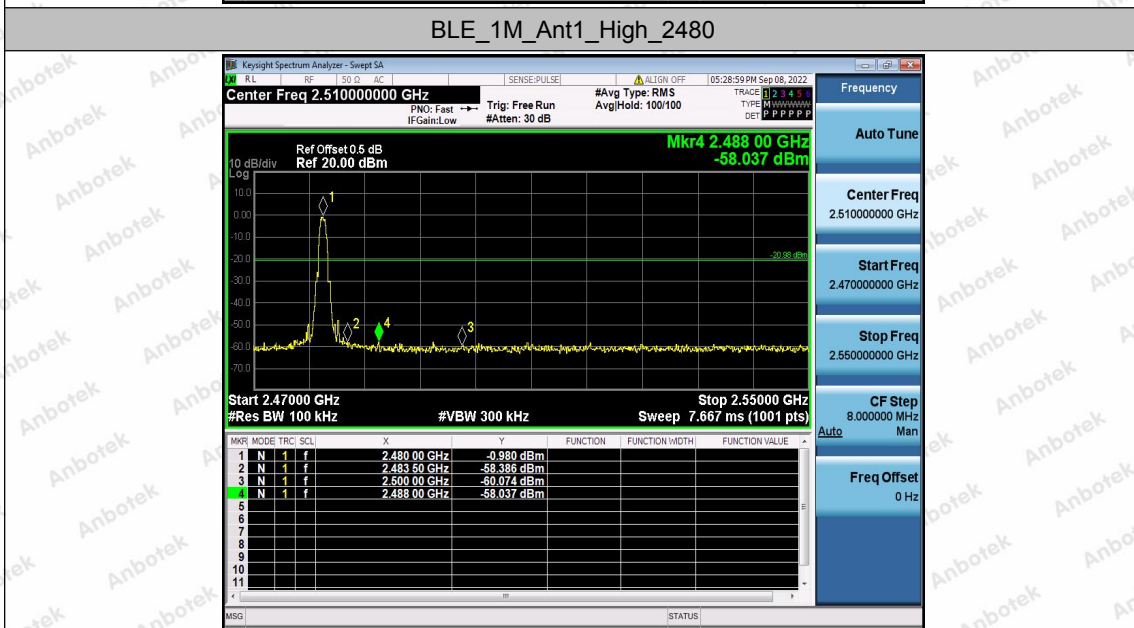
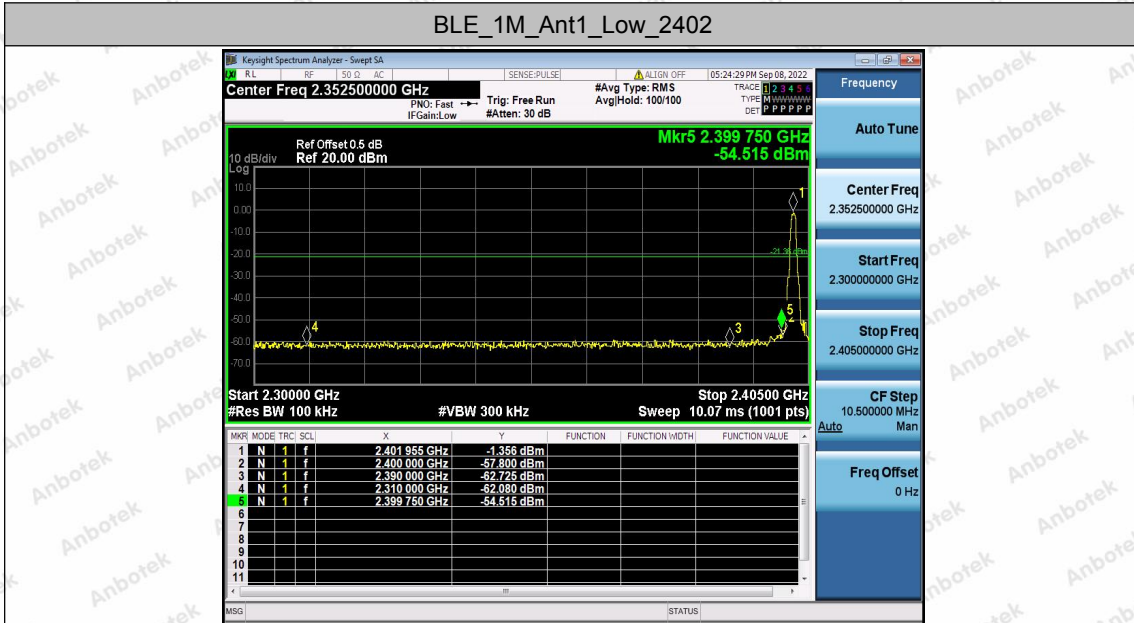
Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.36	-54.52	≤-21.36	PASS
		High	2480	-0.98	-58.04	≤-20.98	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	-1.36	-1.36	---	PASS
			30~1000	-1.36	-69.52	≤-31.36	PASS
			1000~26500	-1.36	-43.1	≤-31.36	PASS
		2440	Reference	-1.58	-1.58	---	PASS
			30~1000	-1.58	-69.85	≤-31.58	PASS
			1000~26500	-1.58	-45.07	≤-31.58	PASS
		2480	Reference	-1.57	-1.57	---	PASS
			30~1000	-1.57	-69.74	≤-31.57	PASS
			1000~26500	-1.57	-48.17	≤-31.57	PASS

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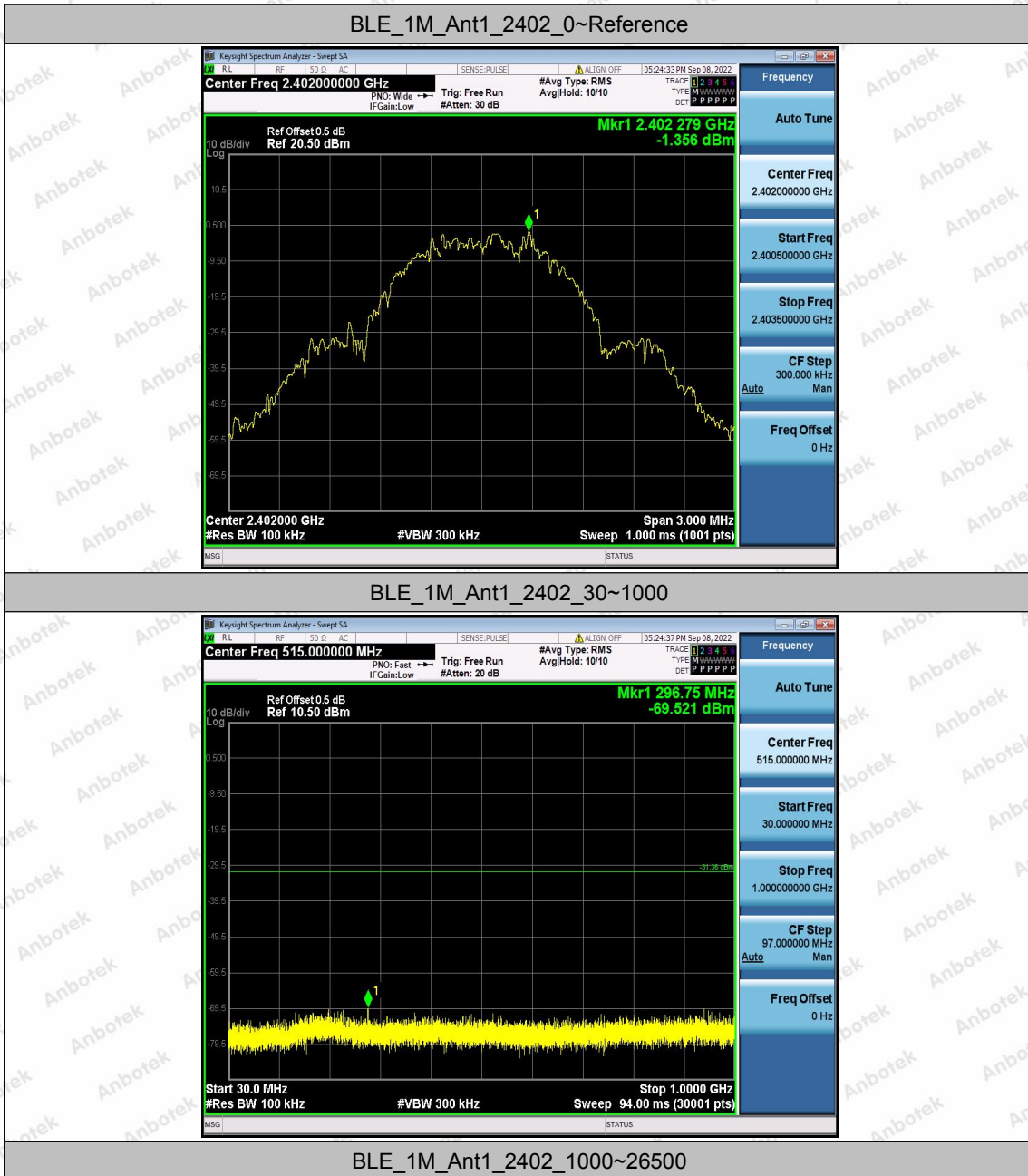
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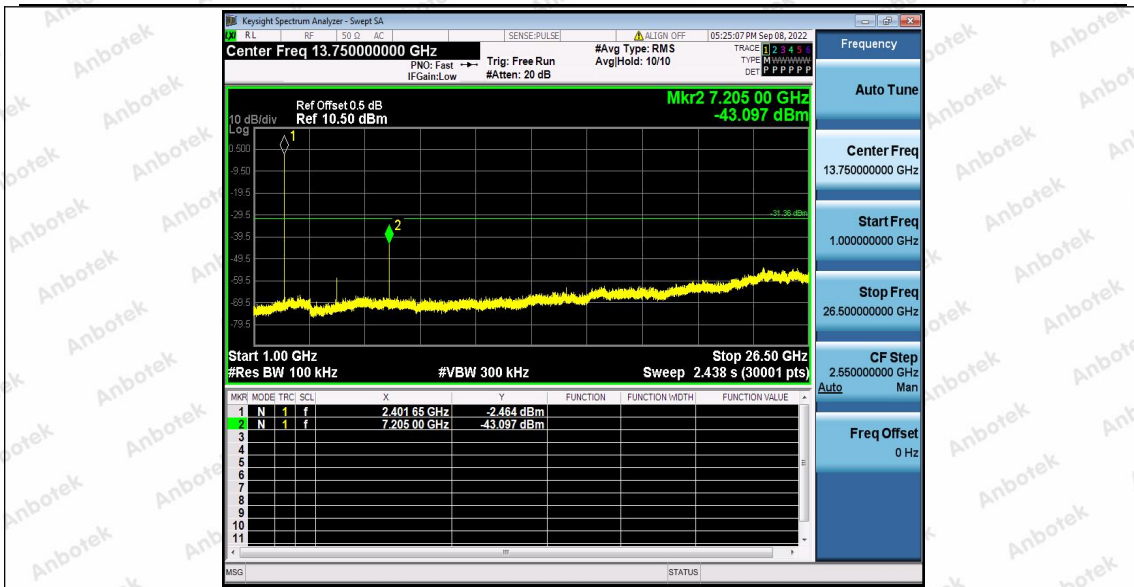


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BLE_1M_Ant1_2440_0~Reference



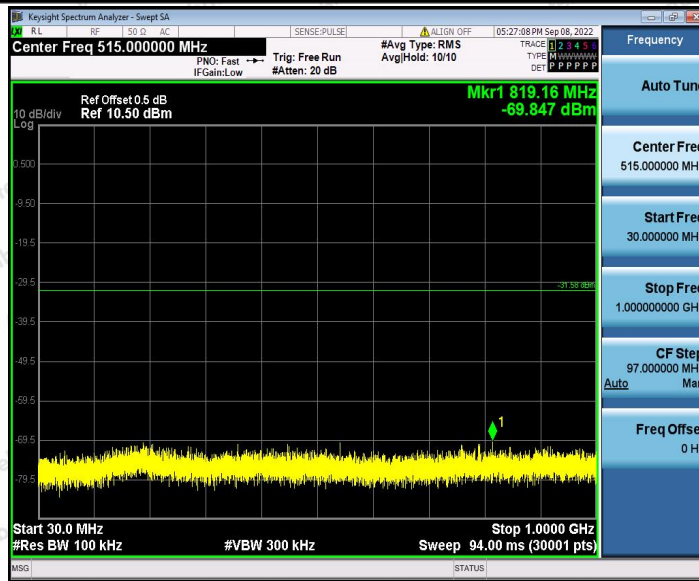
BLE_1M_Ant1_2440_30~1000

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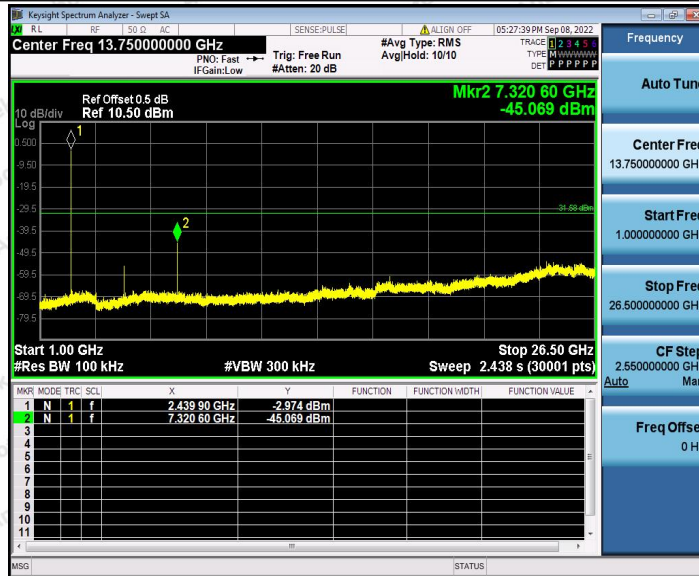
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

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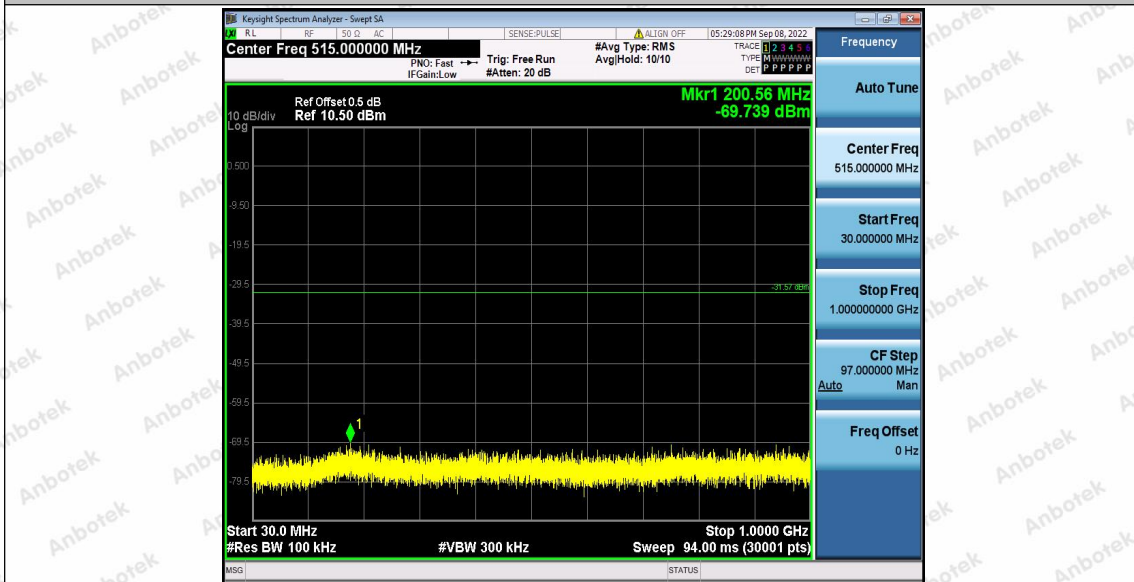
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
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BLE_1M_Ant1_2480_30~1000



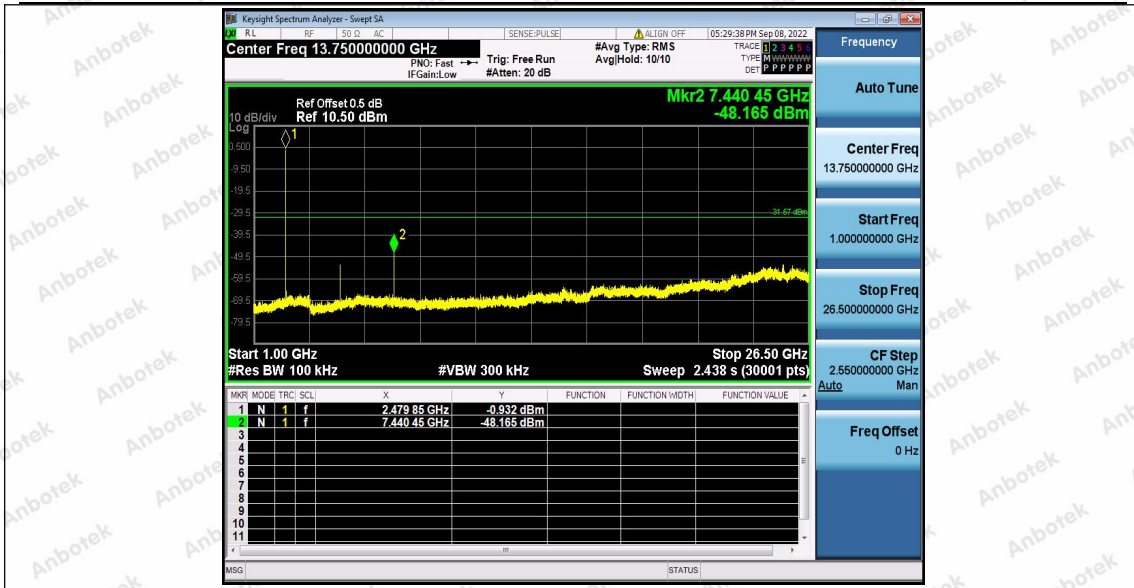
BLE_1M_Ant1_2480_1000~26500

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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	2.75	3.51	78.35	1.06
		2440	2.74	3.51	78.06	1.08
		2480	2.75	3.51	78.35	1.06

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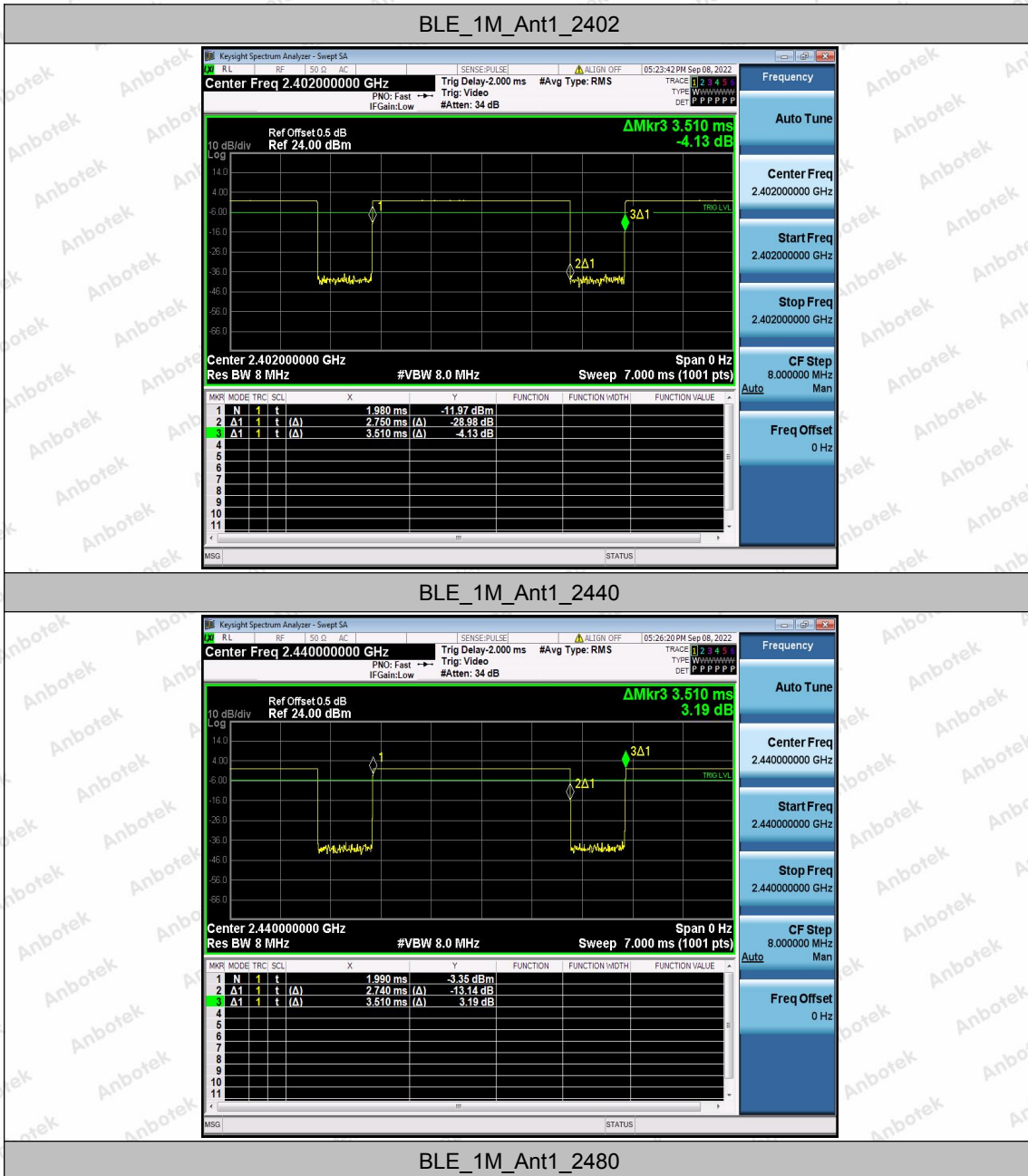
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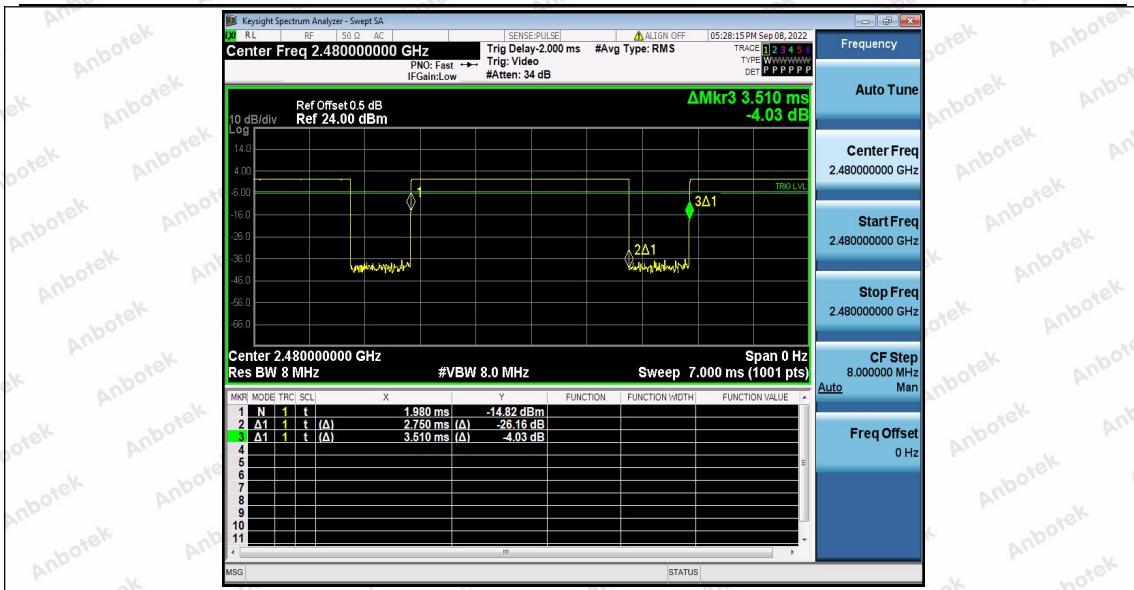


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