

Appendix Test Data

Report No.:	18220WC10253801	Test Sample No.:	1-2-2
Start Test Date:	2021.11.18	Finish Test Date:	2021.11.19
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.3°C	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	0.716	2401.672	2402.388	≥0.5	PASS
		2440	0.628	2439.712	2440.340	≥0.5	PASS
		2480	0.652	2479.728	2480.380	≥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	1.0446	2401.534	2402.579	---	PASS
		2440	1.0536	2439.531	2440.584	---	PASS
		2480	1.0404	2479.533	2480.574	---	PASS

Test Graphs



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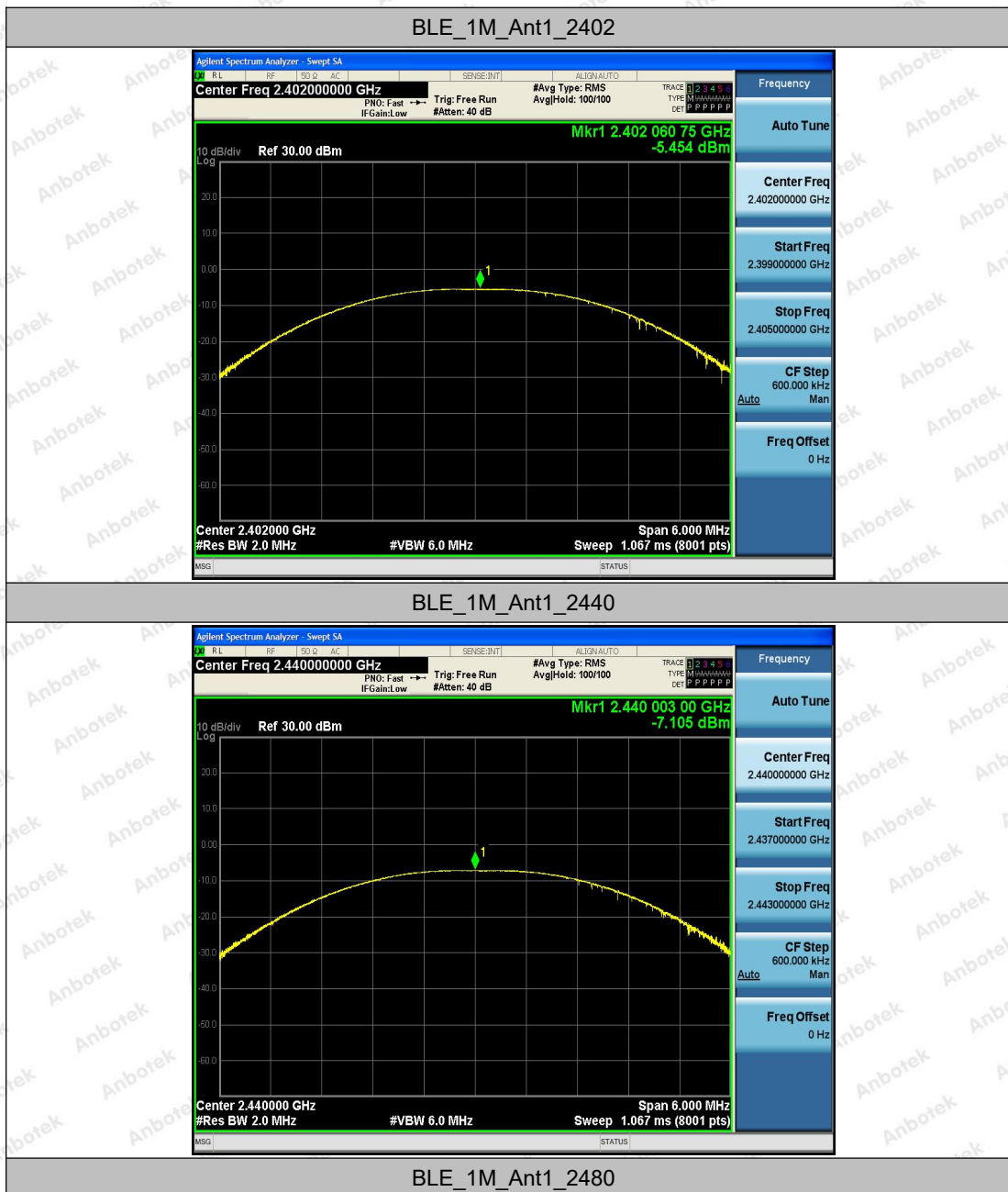
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-5.45	≤30	PASS
		2440	-7.11	≤30	PASS
		2480	-5.36	≤30	PASS

Test Graphs

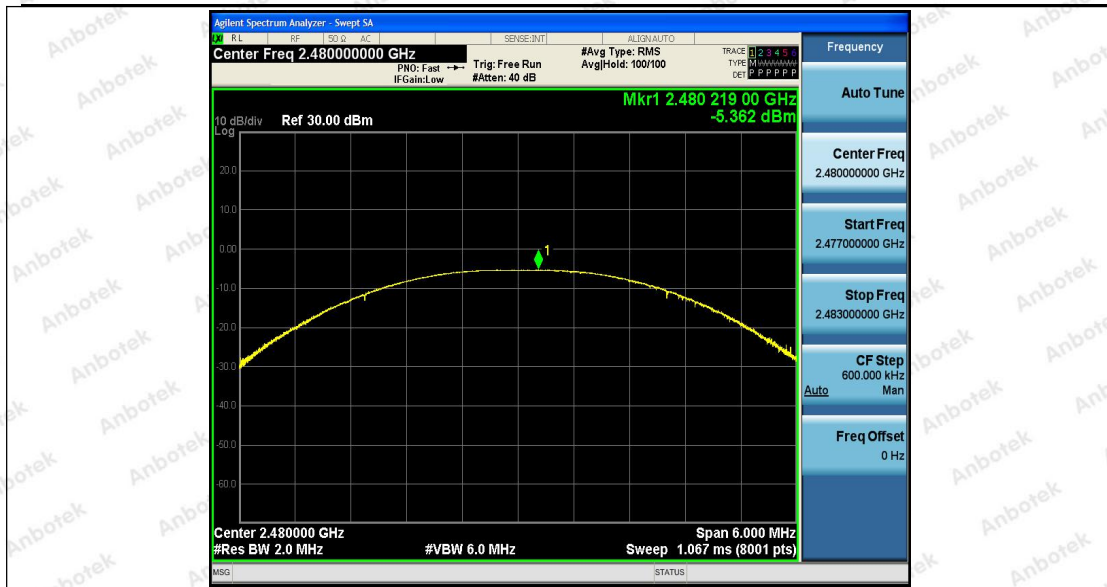


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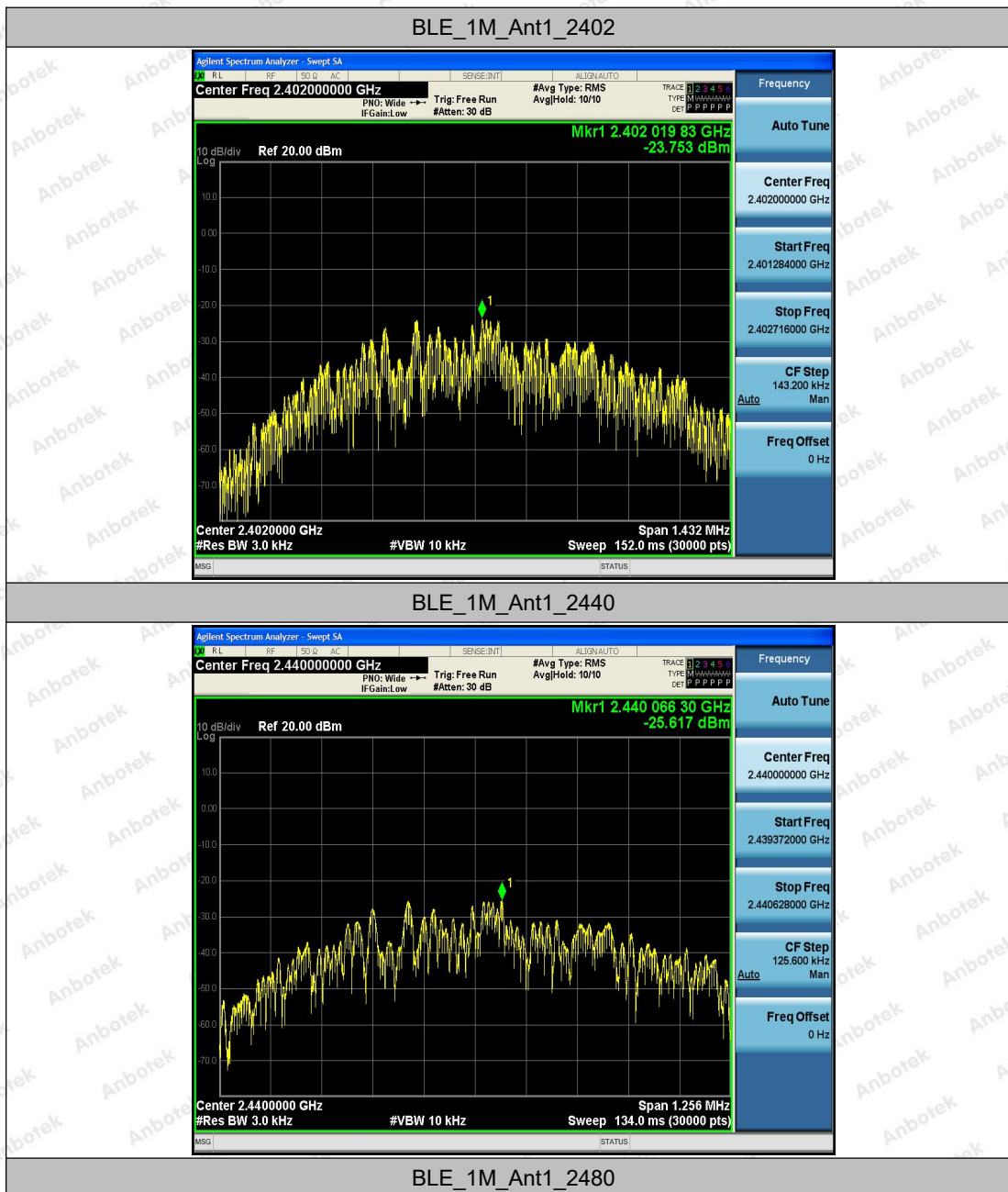
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-23.75	≤8	PASS
		2440	-25.62	≤8	PASS
		2480	-23.06	≤8	PASS

Test Graphs



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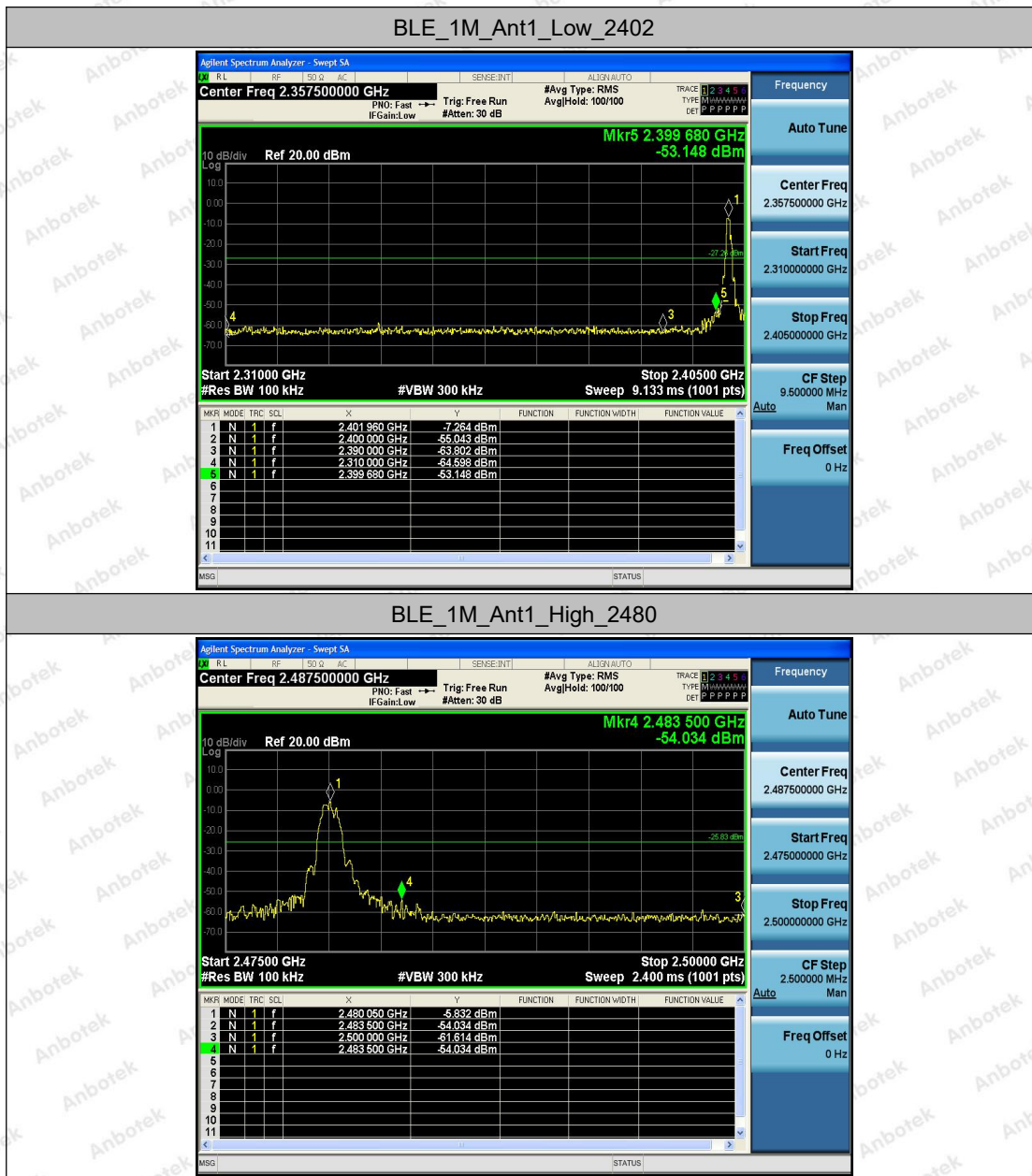
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-7.26	-53.15	≤-27.26	PASS
		High	2480	-5.83	-54.03	≤-25.83	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

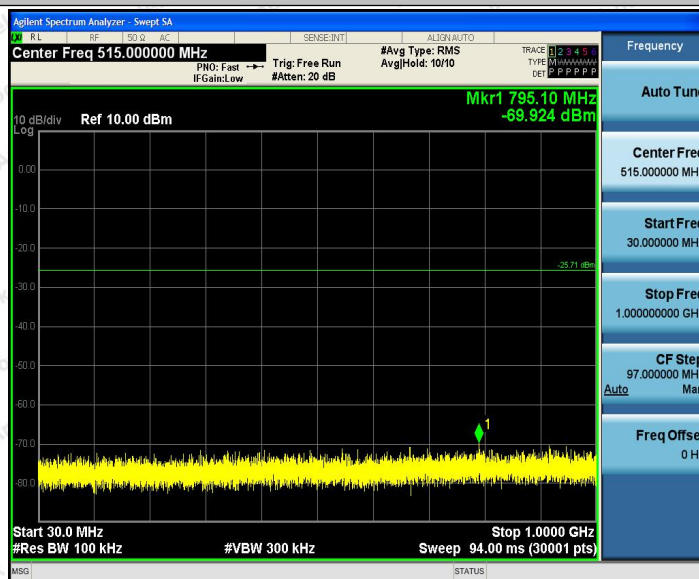
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-5.71	-5.71	---	PASS
			30~1000	-5.71	-69.92	≤-25.71	PASS
			1000~265 00	-5.71	-36.52	≤-25.71	PASS
		2440	Reference	-7.75	-7.75	---	PASS
			30~1000	-7.75	-69.74	≤-27.75	PASS
			1000~265 00	-7.75	-38.98	≤-27.75	PASS
		2480	Reference	-6.09	-6.09	---	PASS
			30~1000	-6.09	-71.19	≤-26.09	PASS
			1000~265 00	-6.09	-43.7	≤-26.09	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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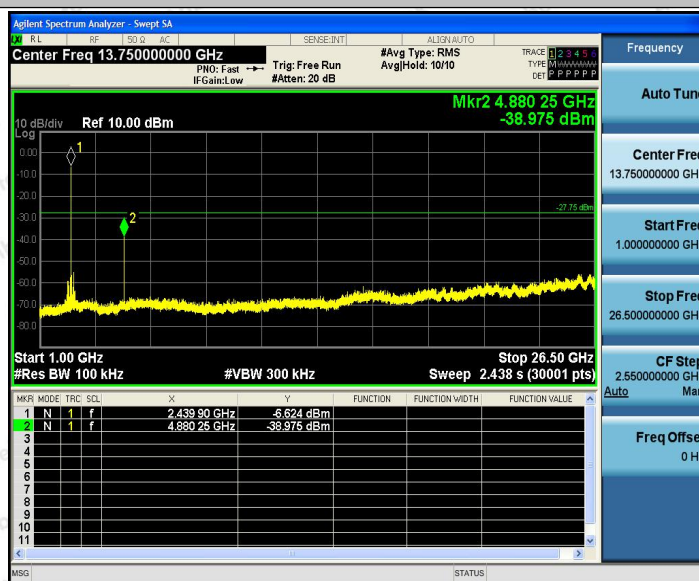
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



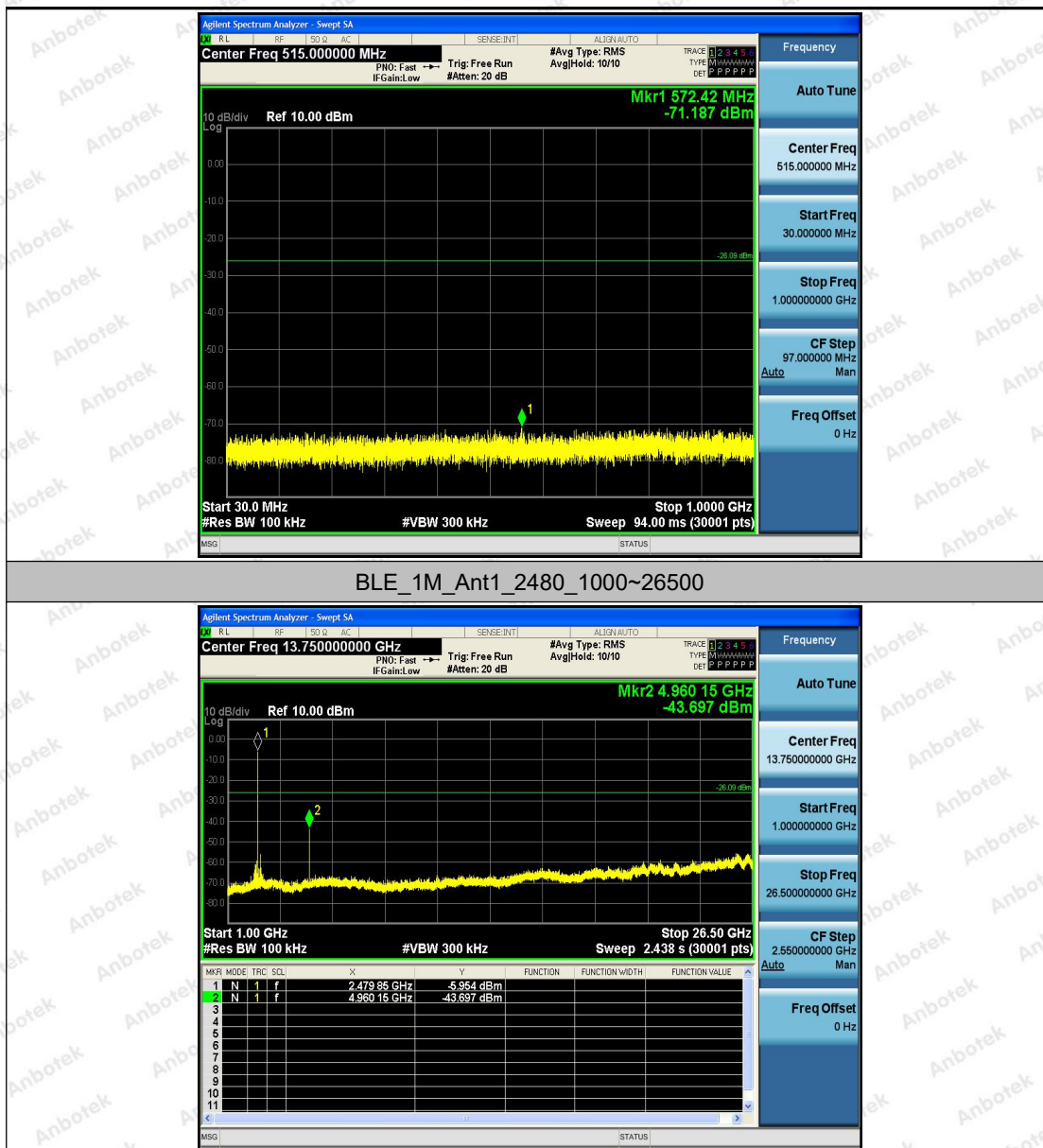
BLE_1M_Ant1_2480_30~1000

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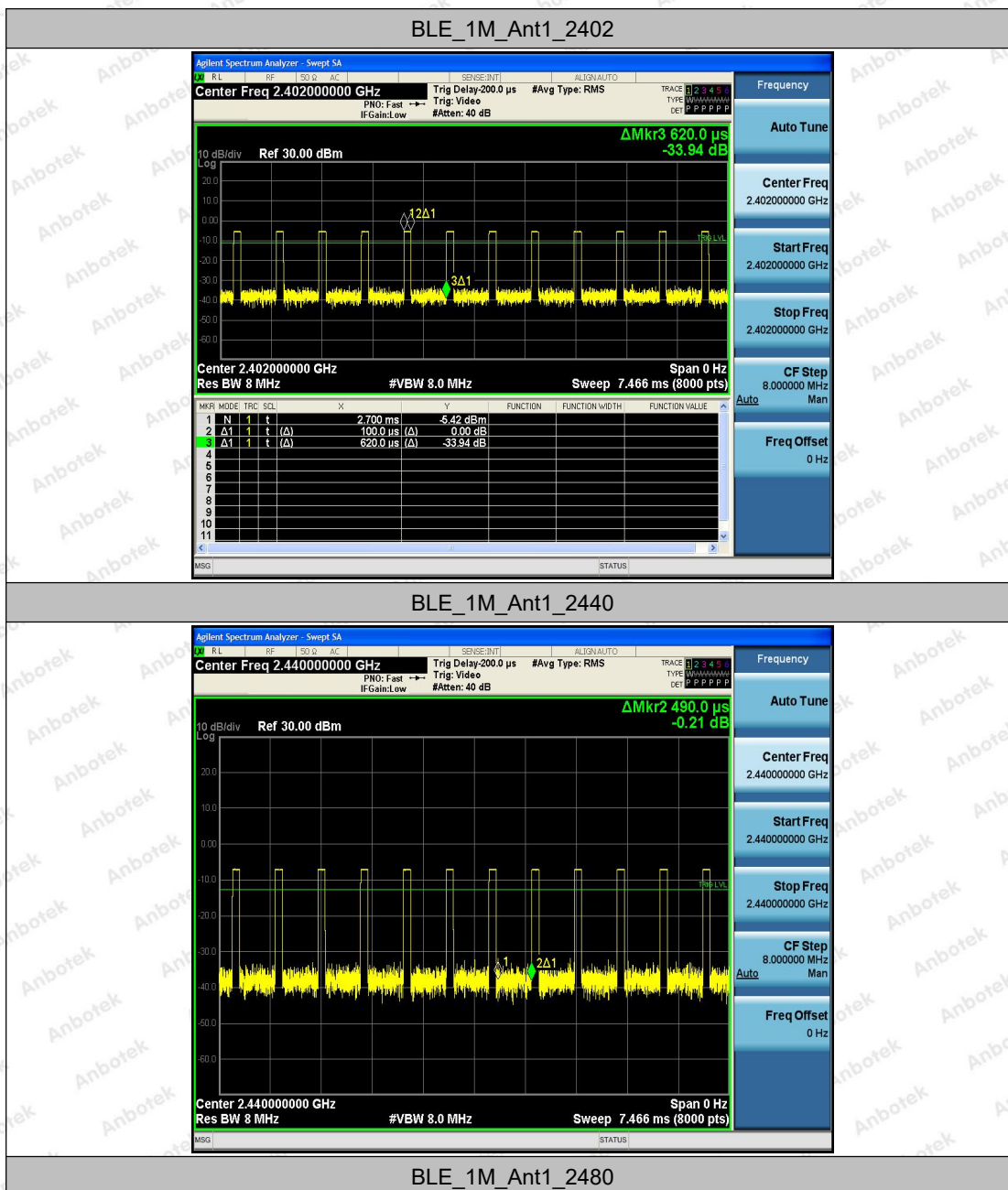
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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.10	0.62	0.161 3	16.13	7.92	---	PASS
		2440	0.00	0.49	0.000 0	100	正无穷 大	---	PASS
		2480	0.10	0.62	0.161 3	16.13	7.92	---	PASS

Test Graphs

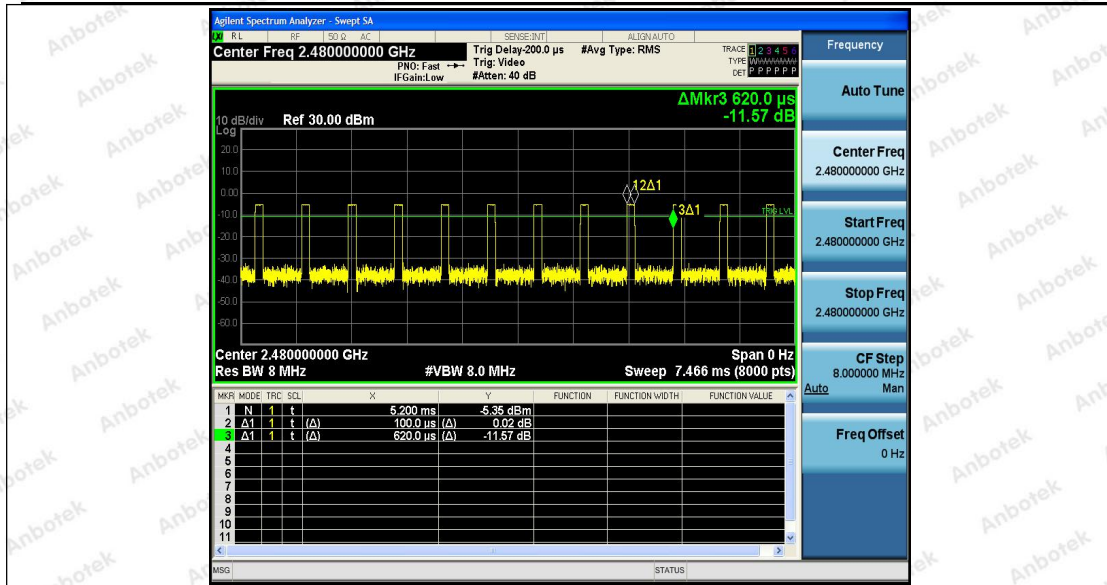


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