

Appendix Test Data

Report No.:	18220WC20114901	Test Sample No.:	1-2-2
Start Test Date:	2022.5.26	Finish Test Date:	2022.5.30
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	23.9℃	Relative Humidity:	52.7 %
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	0.688	2401.660	2402.348	≥0.5	PASS
		2440	0.688	2439.652	2440.340	≥0.5	PASS
		2480	0.708	2479.636	2480.344	≥0.5	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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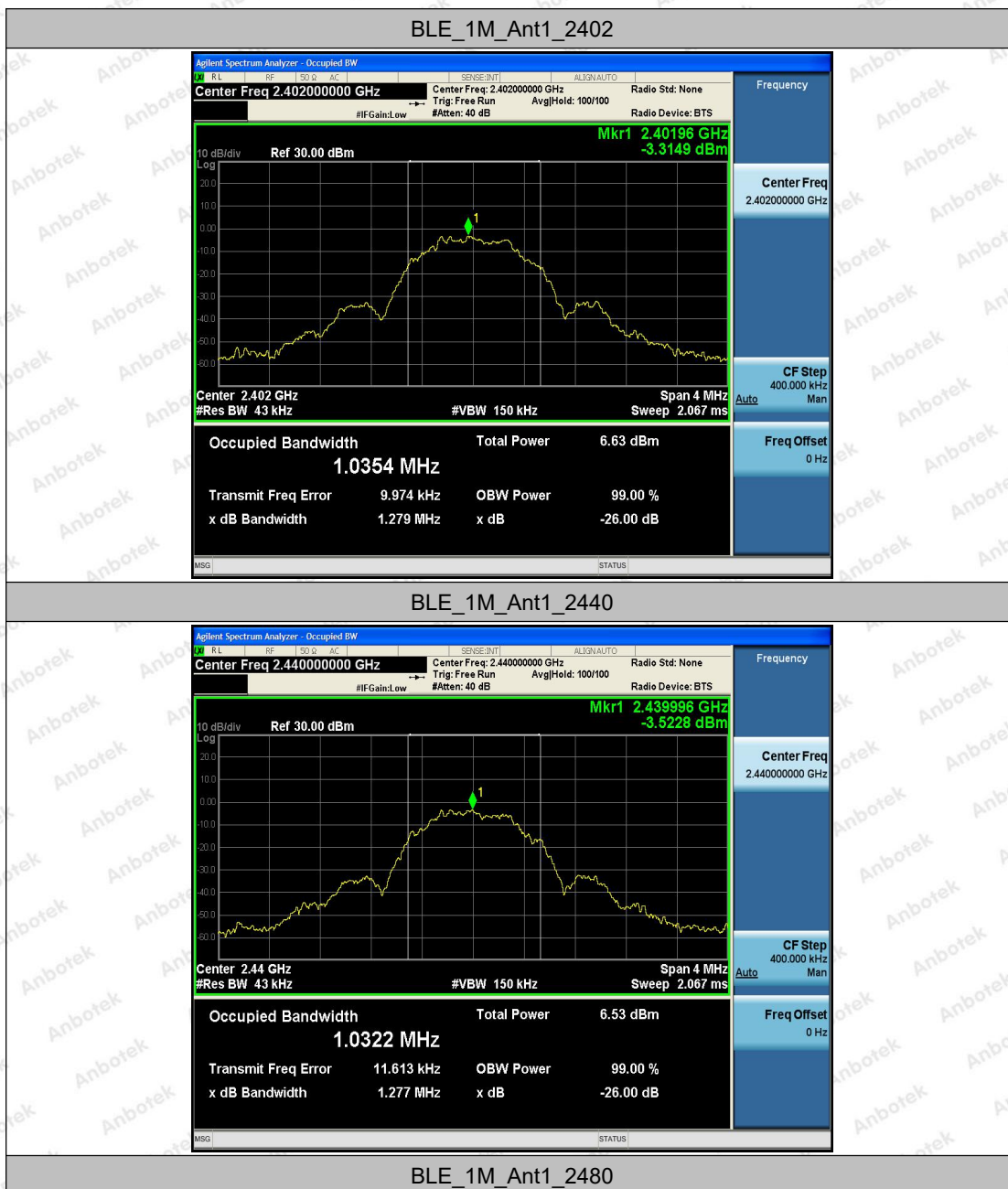
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0354	2401.492	2402.528	---	PASS
		2440	1.0322	2439.496	2440.528	---	PASS
		2480	1.0286	2479.498	2480.527	---	PASS

Test Graphs



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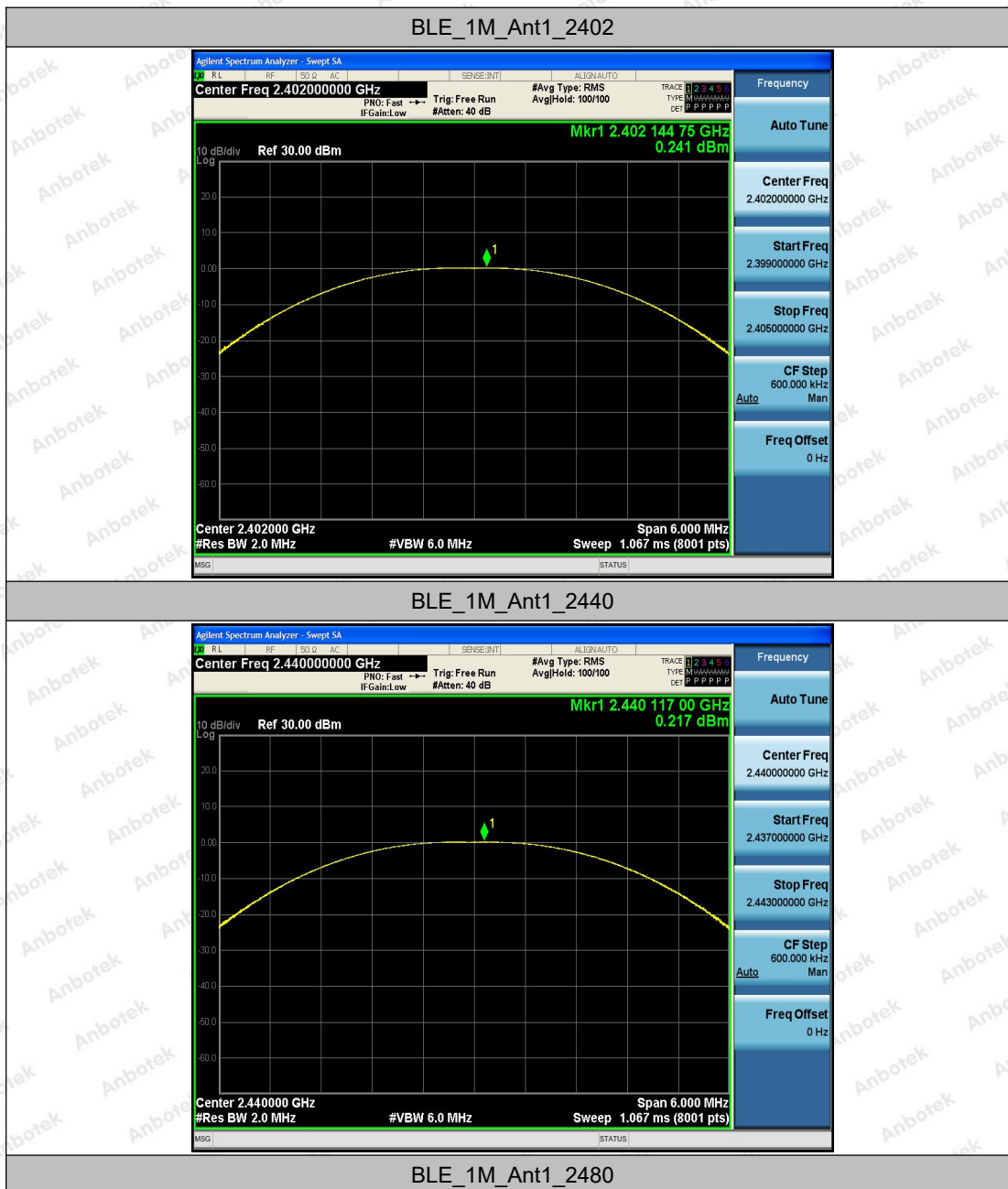
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.24	≤30	PASS
		2440	0.22	≤30	PASS
		2480	0.25	≤30	PASS

Test Graphs

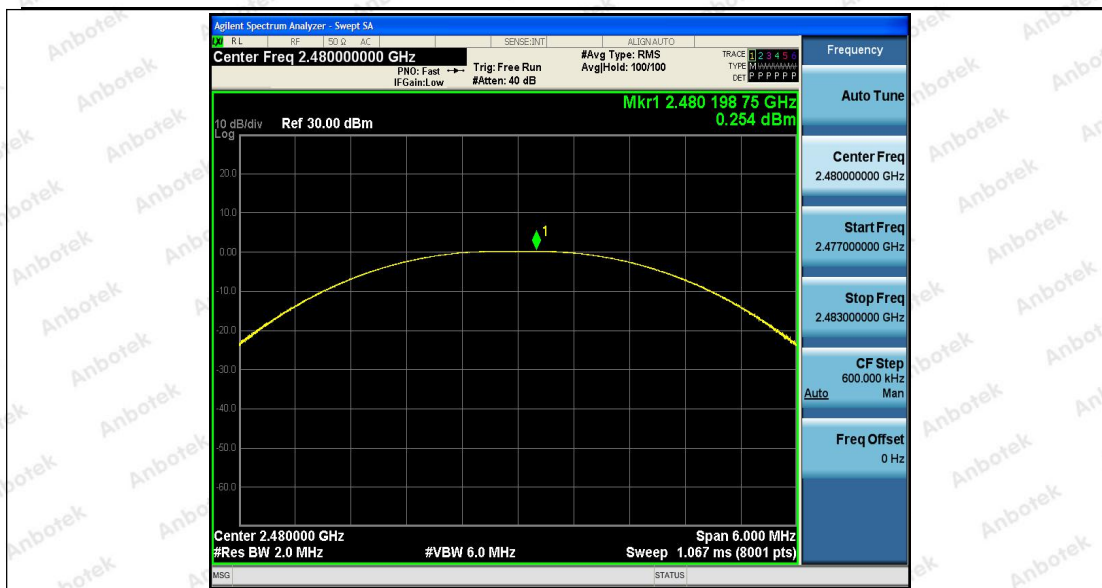


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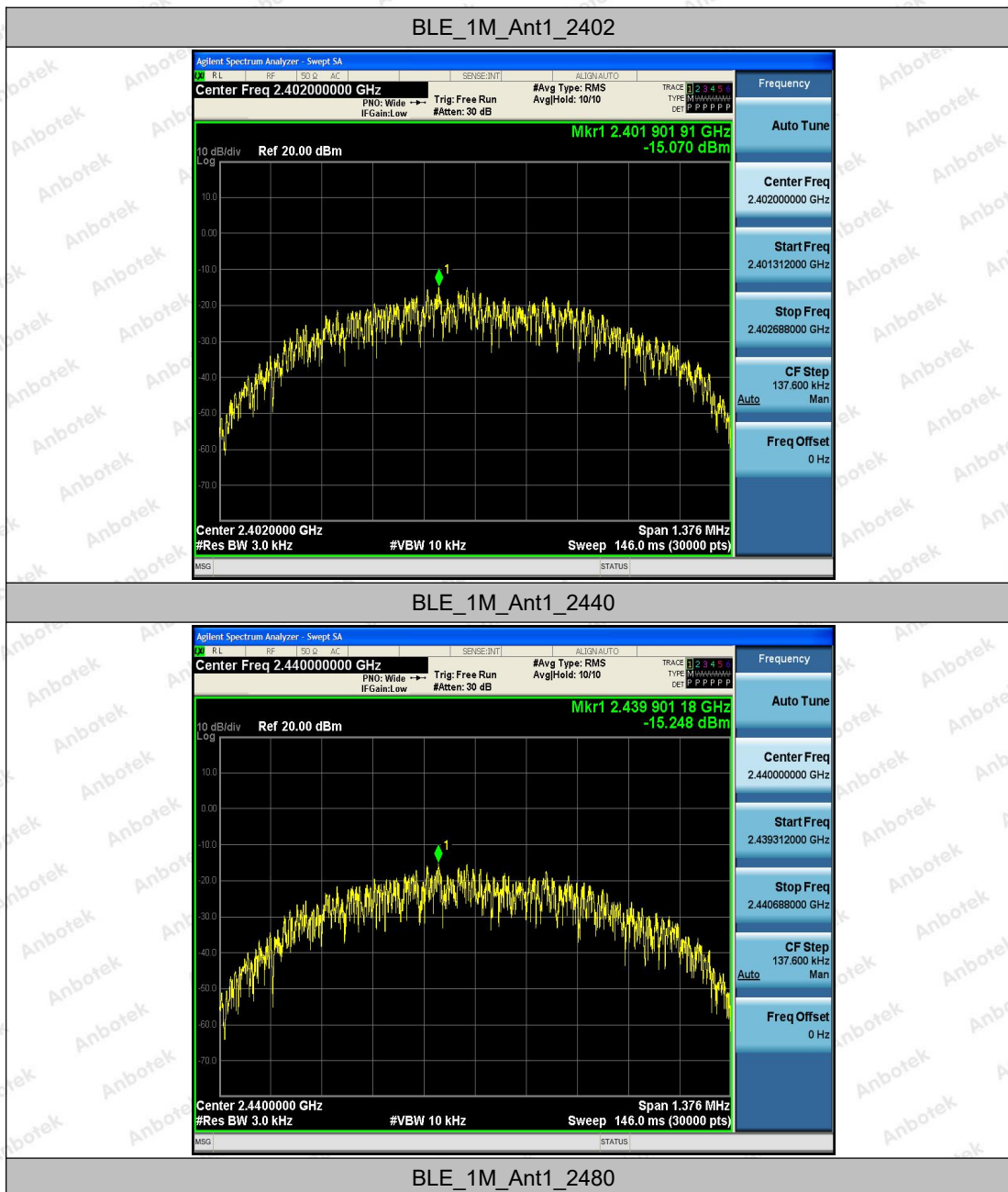
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-15.07	≤8	PASS
		2440	-15.25	≤8	PASS
		2480	-15.34	≤8	PASS

Test Graphs

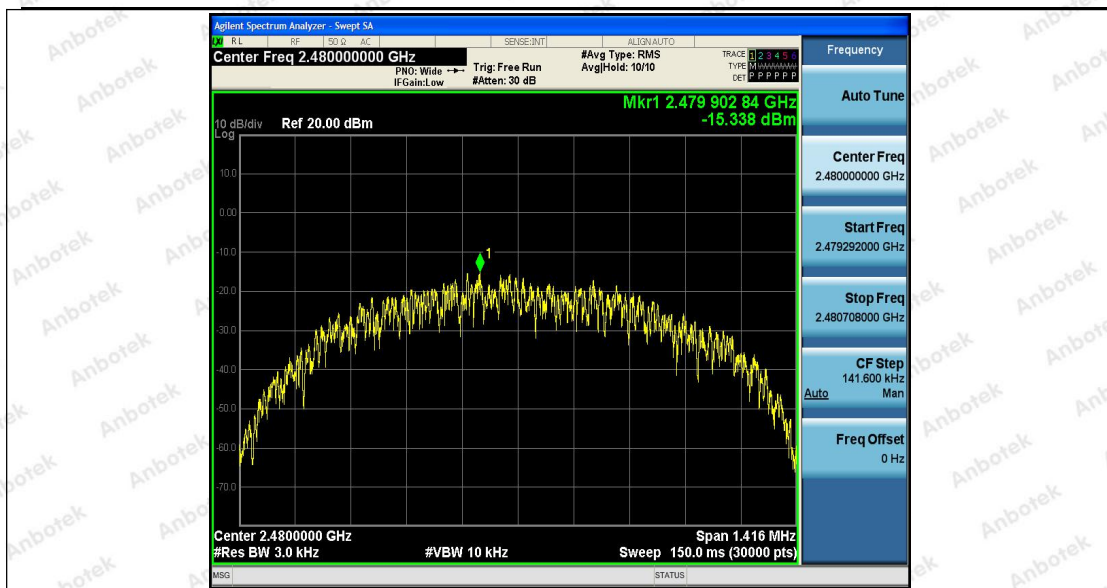


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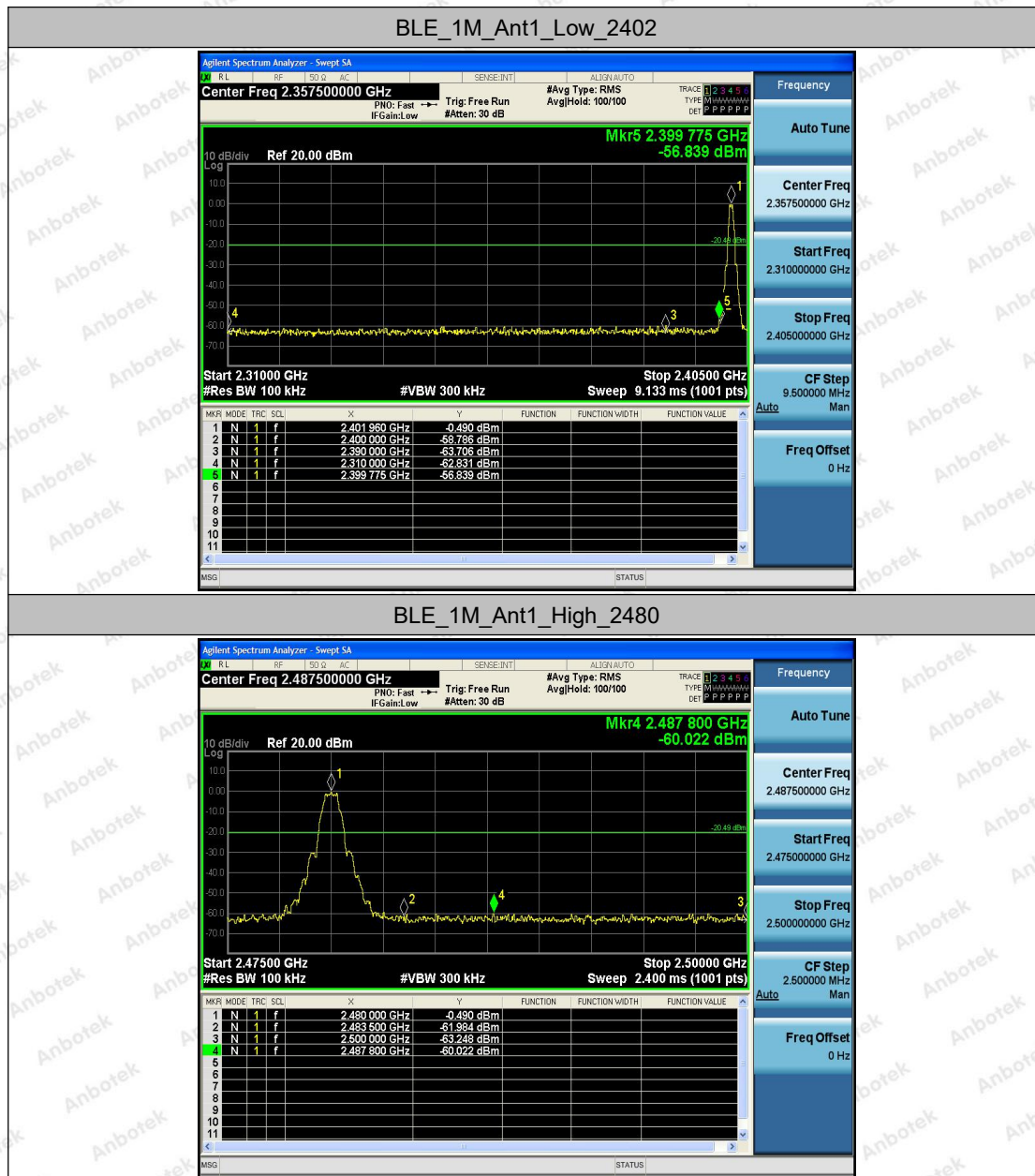
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.49	-56.84	≤-20.49	PASS
		High	2480	-0.49	-60.02	≤-20.49	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

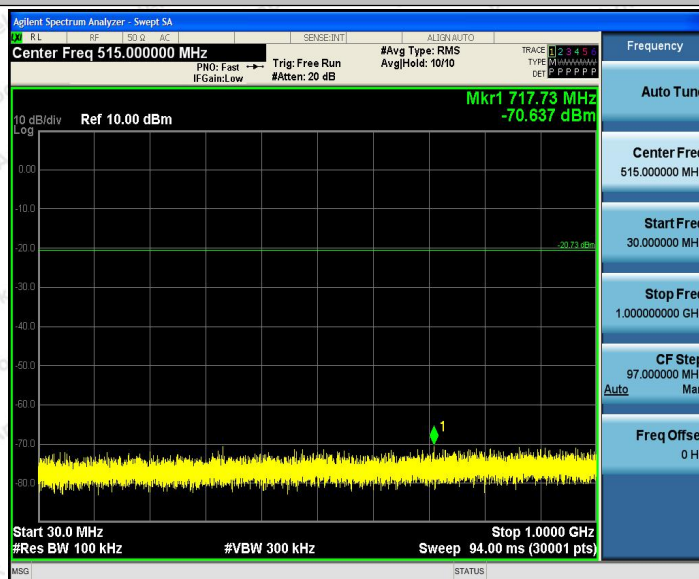
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-0.73	-0.73	---	PASS
			30~1000	-0.73	-70.64	≤-20.73	PASS
			1000~265 00	-0.73	-55.68	≤-20.73	PASS
		2440	Reference	-0.76	-0.76	---	PASS
			30~1000	-0.76	-70.49	≤-20.76	PASS
			1000~265 00	-0.76	-55.98	≤-20.76	PASS
		2480	Reference	-0.78	-0.78	---	PASS
			30~1000	-0.78	-70.58	≤-20.78	PASS
			1000~265 00	-0.78	-55.23	≤-20.78	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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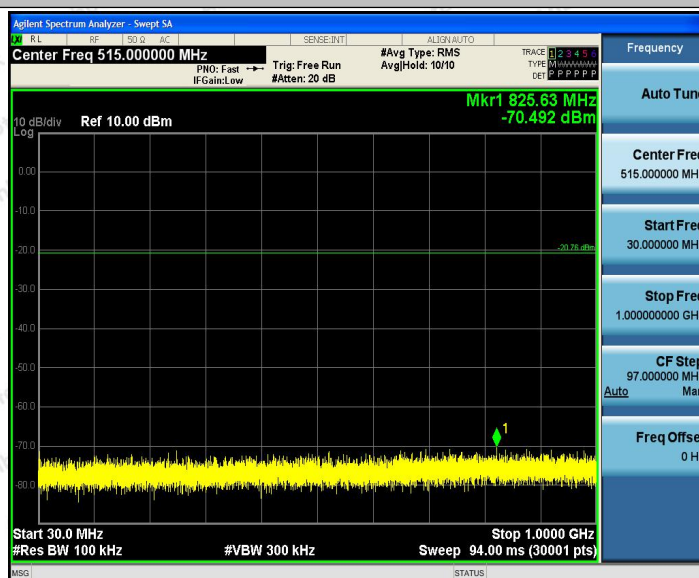
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



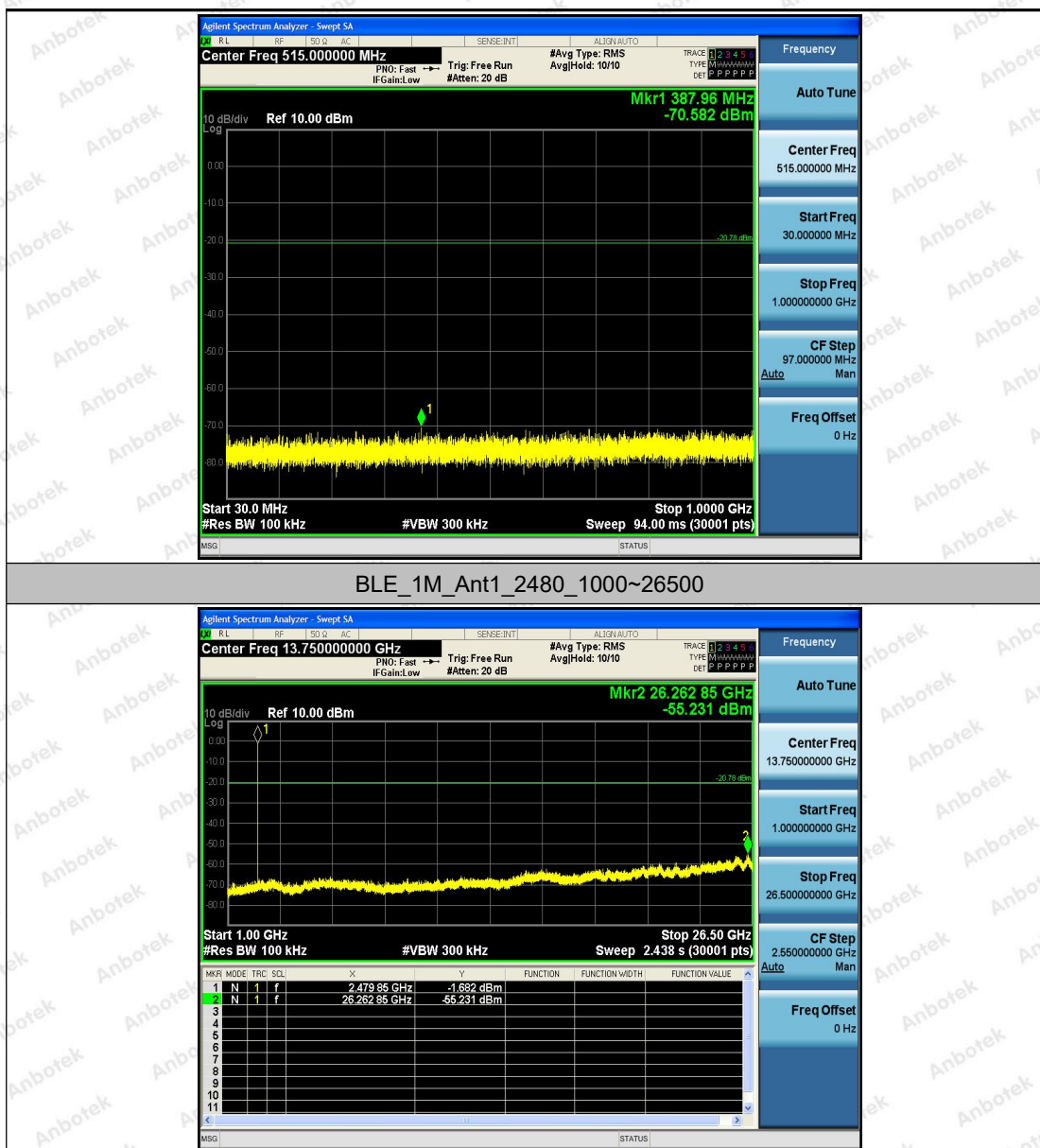
BLE_1M_Ant1_2480_30~1000

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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	0.38	0.62	0.612 9	61.29	2.13	---	PASS
		2440	0.38	0.62	0.612 9	61.29	2.13	---	PASS
		2480	0.38	0.62	0.612 9	61.29	2.13	---	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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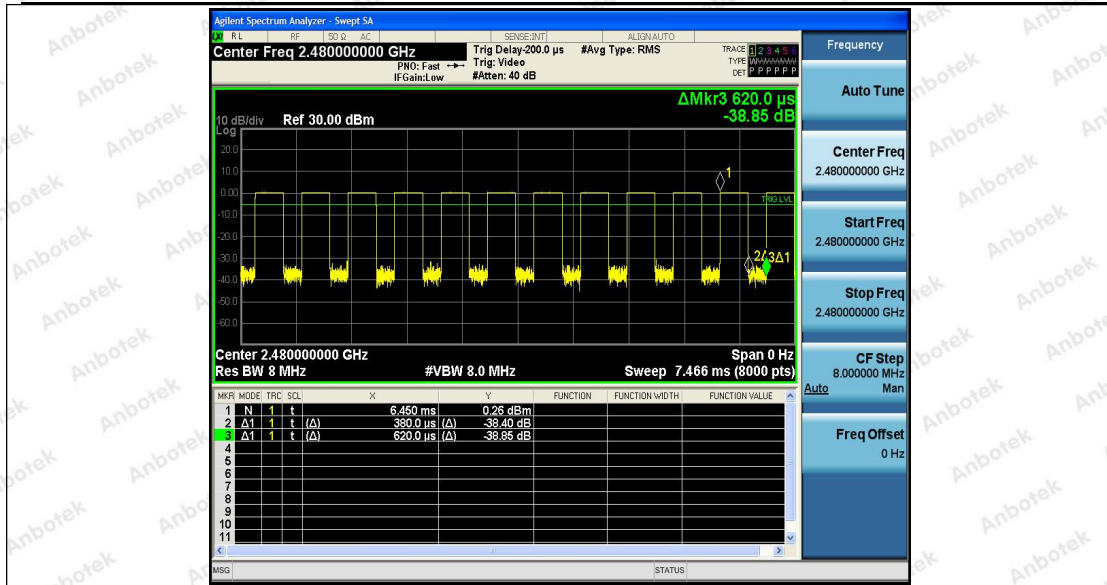
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