

Appendix Test Data

Report No.:	18220WC10288802	Test Sample No.:	1-2-2
Start Test Date:	2021.12.31	Finish Test Date:	2022.1.10
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	22.3°C	Relative Humidity:	56 %
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.724	2401.604	2402.328	≥0.5	PASS
		2440	0.668	2439.640	2440.308	≥0.5	PASS
		2480	0.708	2479.620	2480.328	≥0.5	PASS

Test Graphs



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Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0445	2401.455	2402.499	---	PASS
		2440	1.0329	2439.456	2440.489	---	PASS
		2480	1.0311	2479.456	2480.487	---	PASS

Test Graphs



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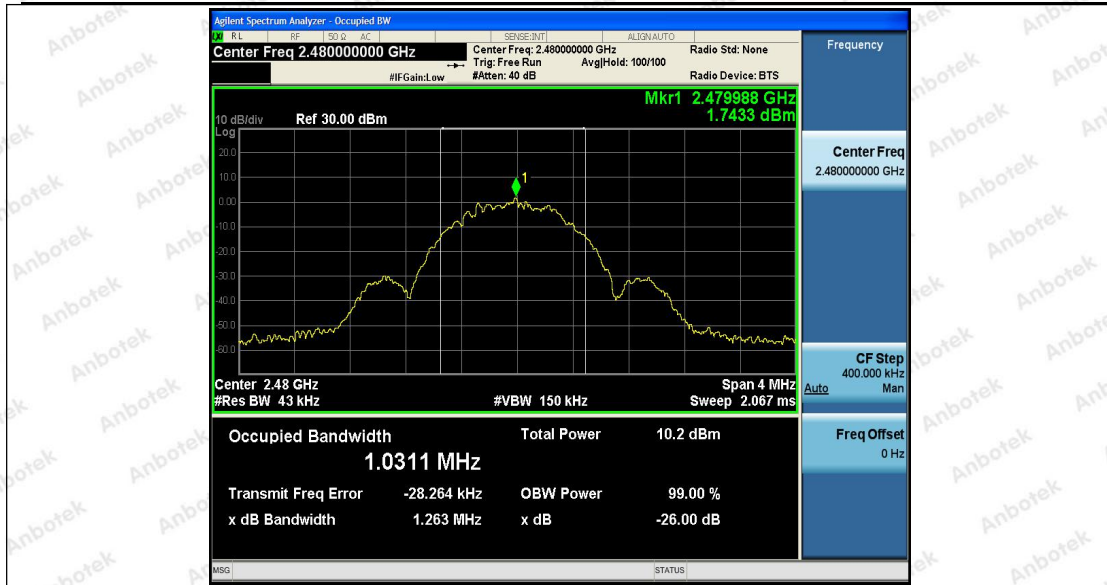
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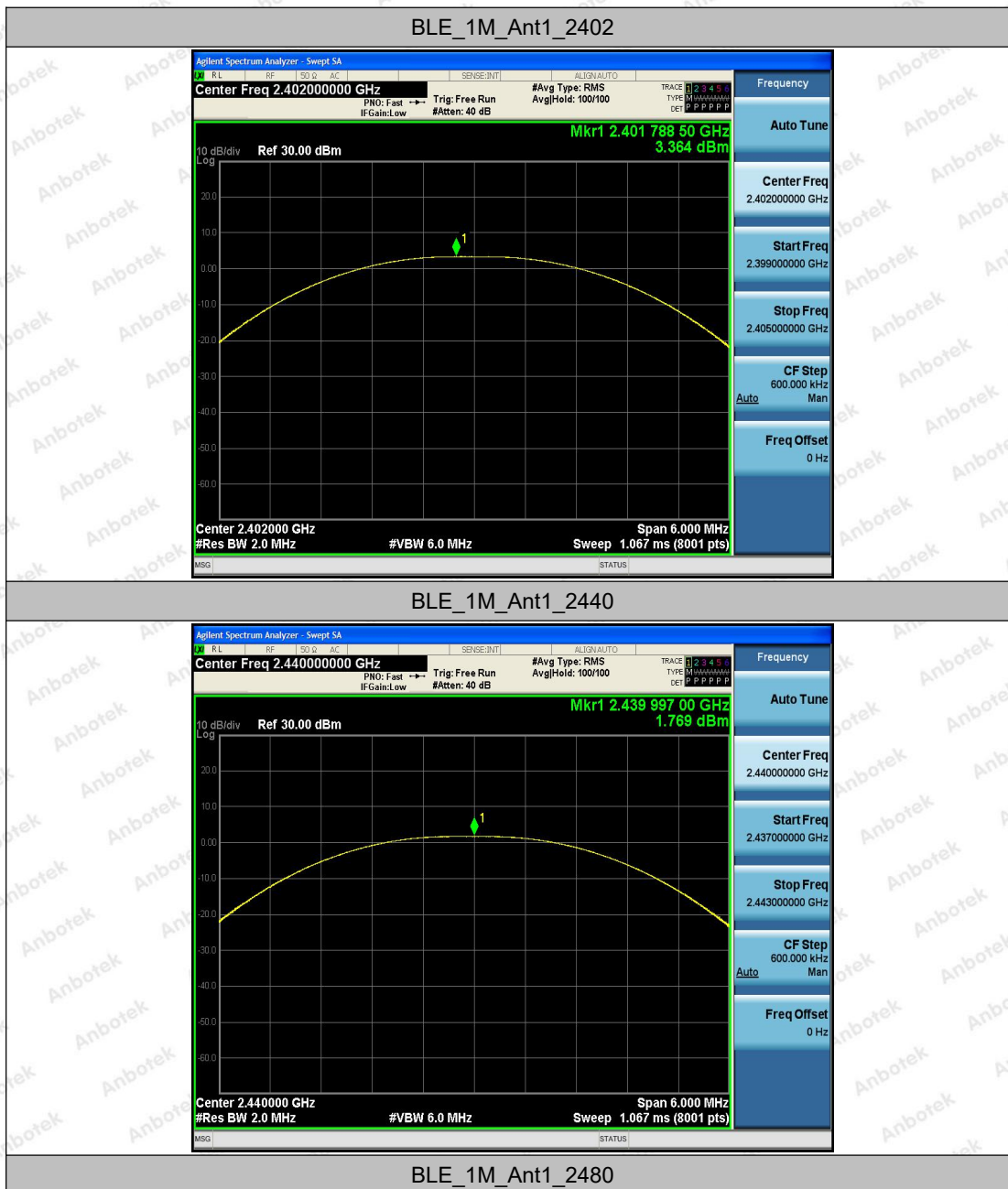
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Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	3.36	≤30	PASS
		2440	1.77	≤30	PASS
		2480	3.67	≤30	PASS

Test Graphs

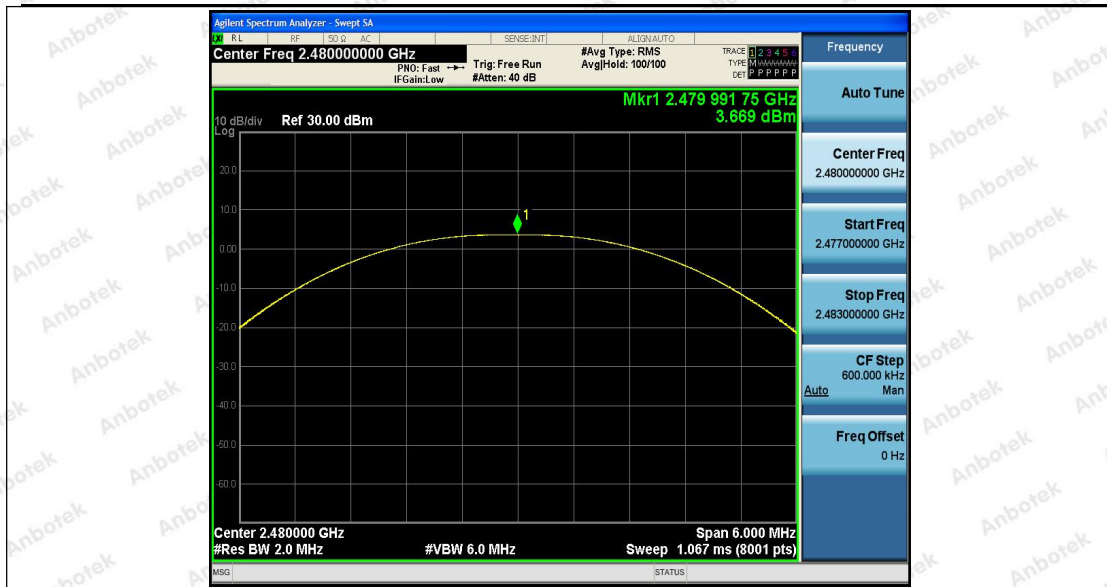


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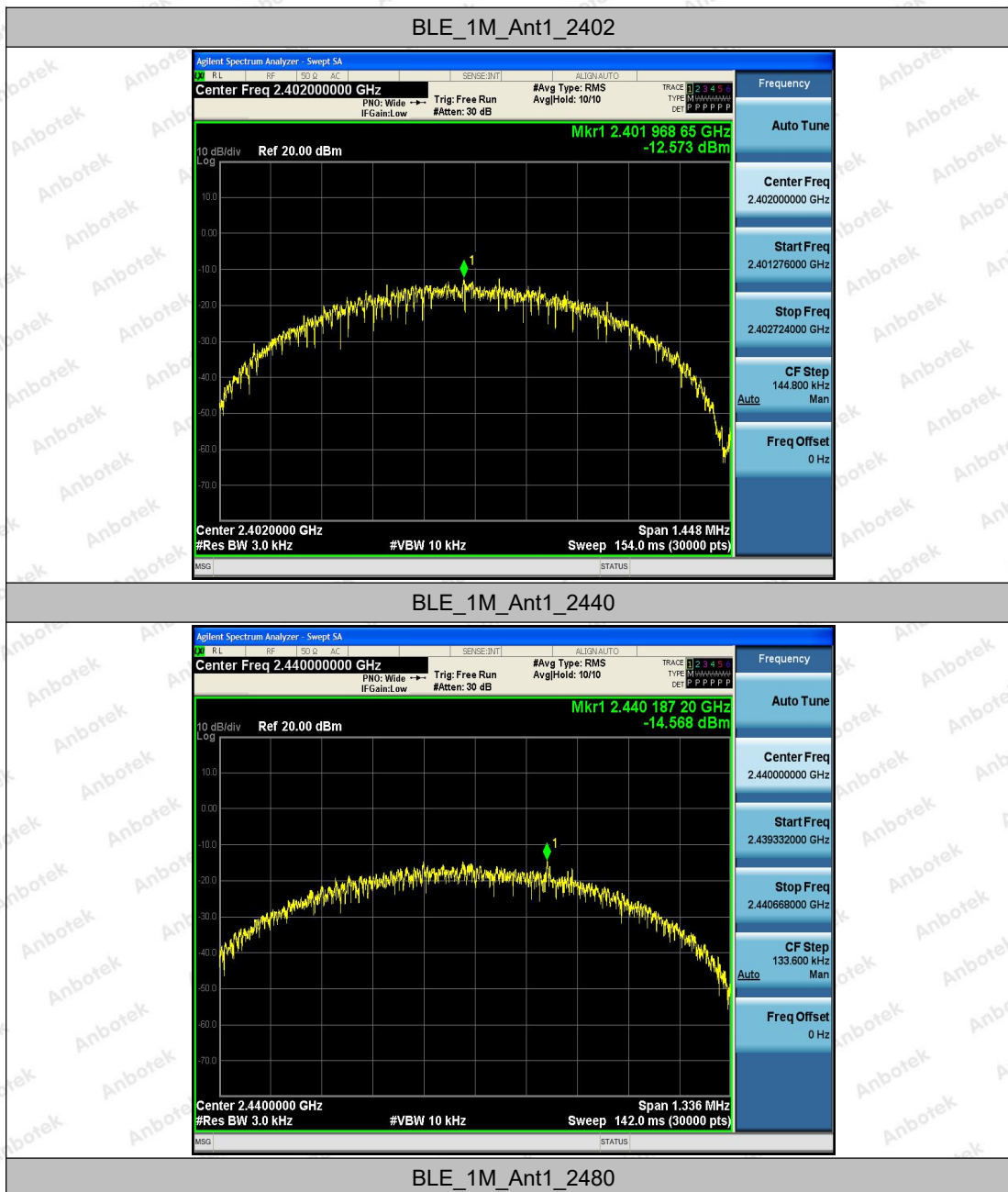
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Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.57	≤8	PASS
		2440	-14.57	≤8	PASS
		2480	-12.44	≤8	PASS

Test Graphs

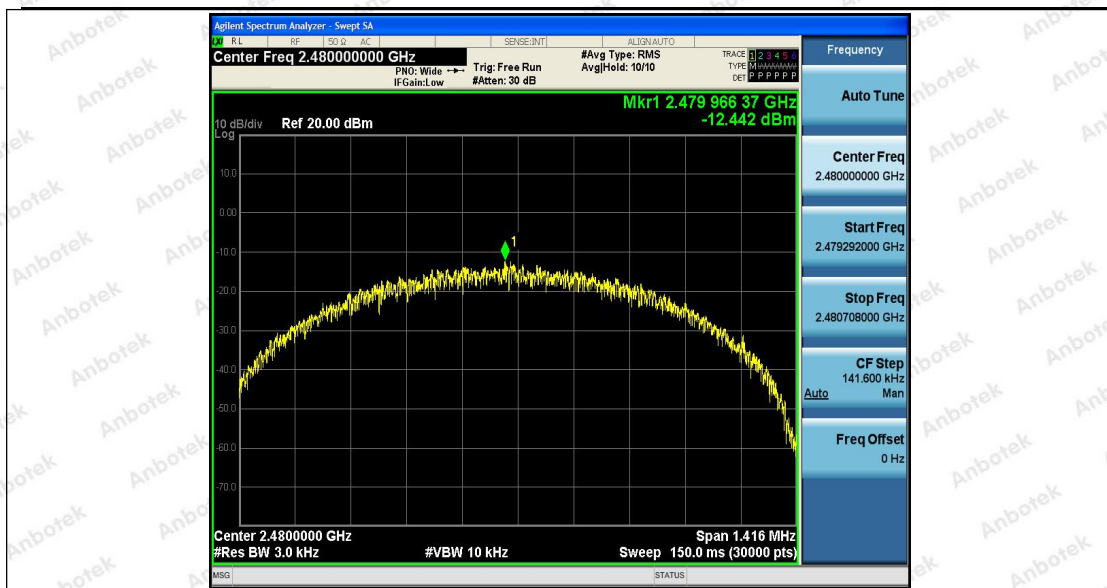


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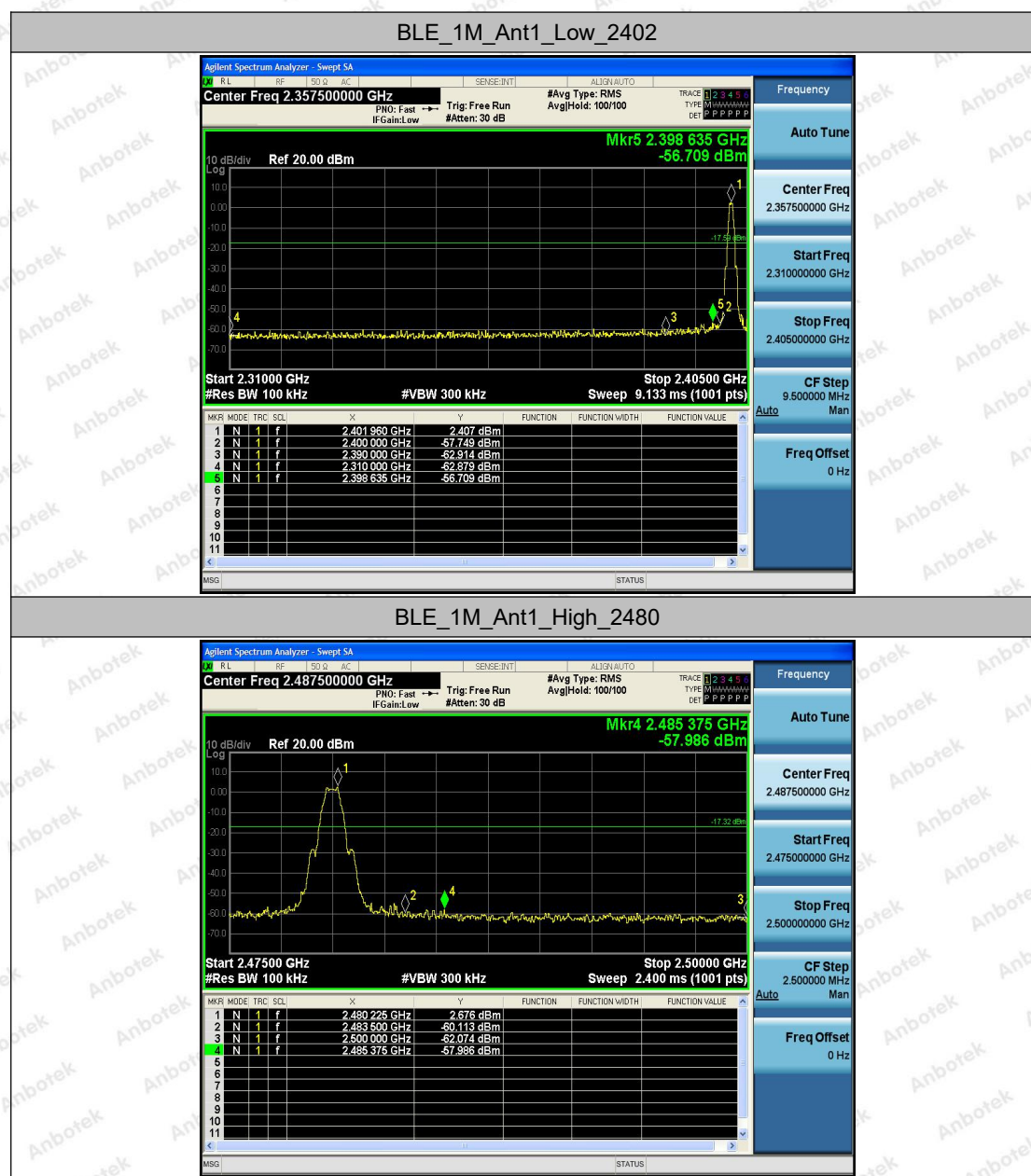
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	Ch Name	Channel	Ref Level[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	2.41	-56.71	≤-17.59	PASS
		High	2480	2.68	-57.99	≤-17.32	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

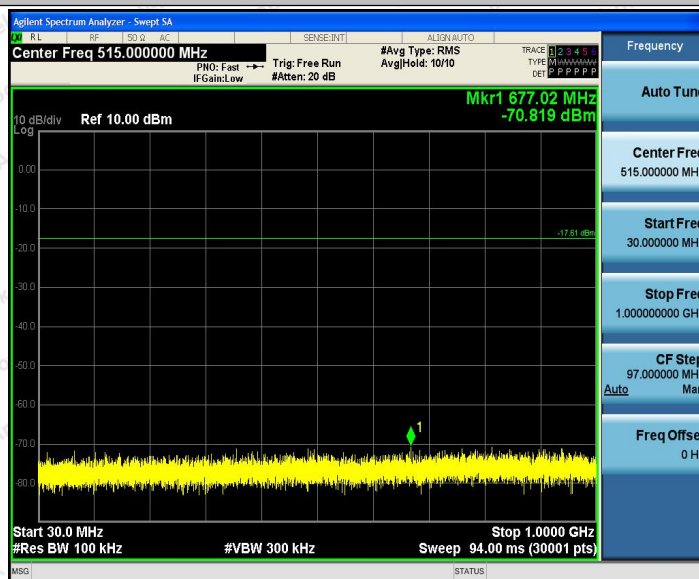
Test Mode	Antenna	Channel	Freq Range [MHz]	Ref Level [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	2.39	2.39	---	PASS
			30~1000	2.39	-70.82	≤ -17.61	PASS
			1000~26500	2.39	-55.69	≤ -17.61	PASS
		2440	Reference	0.80	0.80	---	PASS
			30~1000	0.80	-70.06	≤ -19.2	PASS
			1000~26500	0.80	-55.95	≤ -19.2	PASS
		2480	Reference	2.60	2.60	---	PASS
			30~1000	2.60	-69.73	≤ -17.4	PASS
			1000~26500	2.60	-55.24	≤ -17.4	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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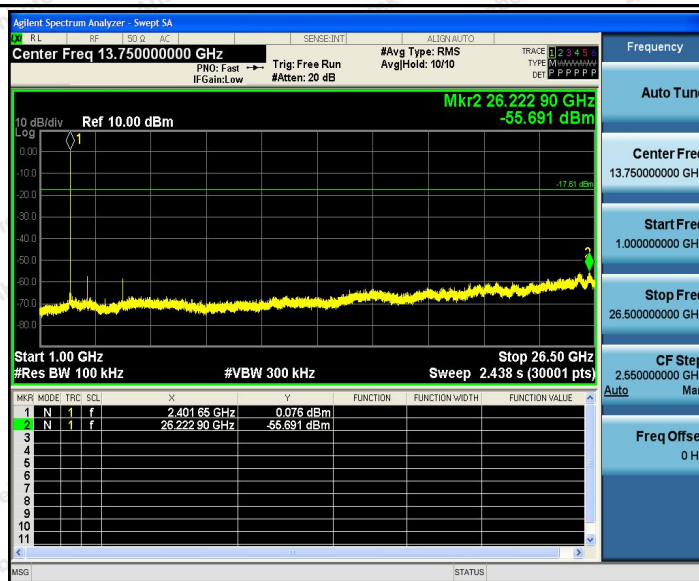
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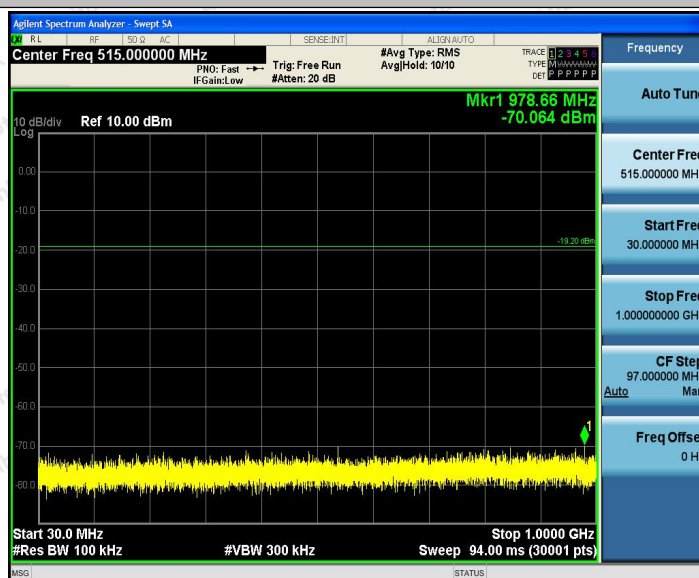
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



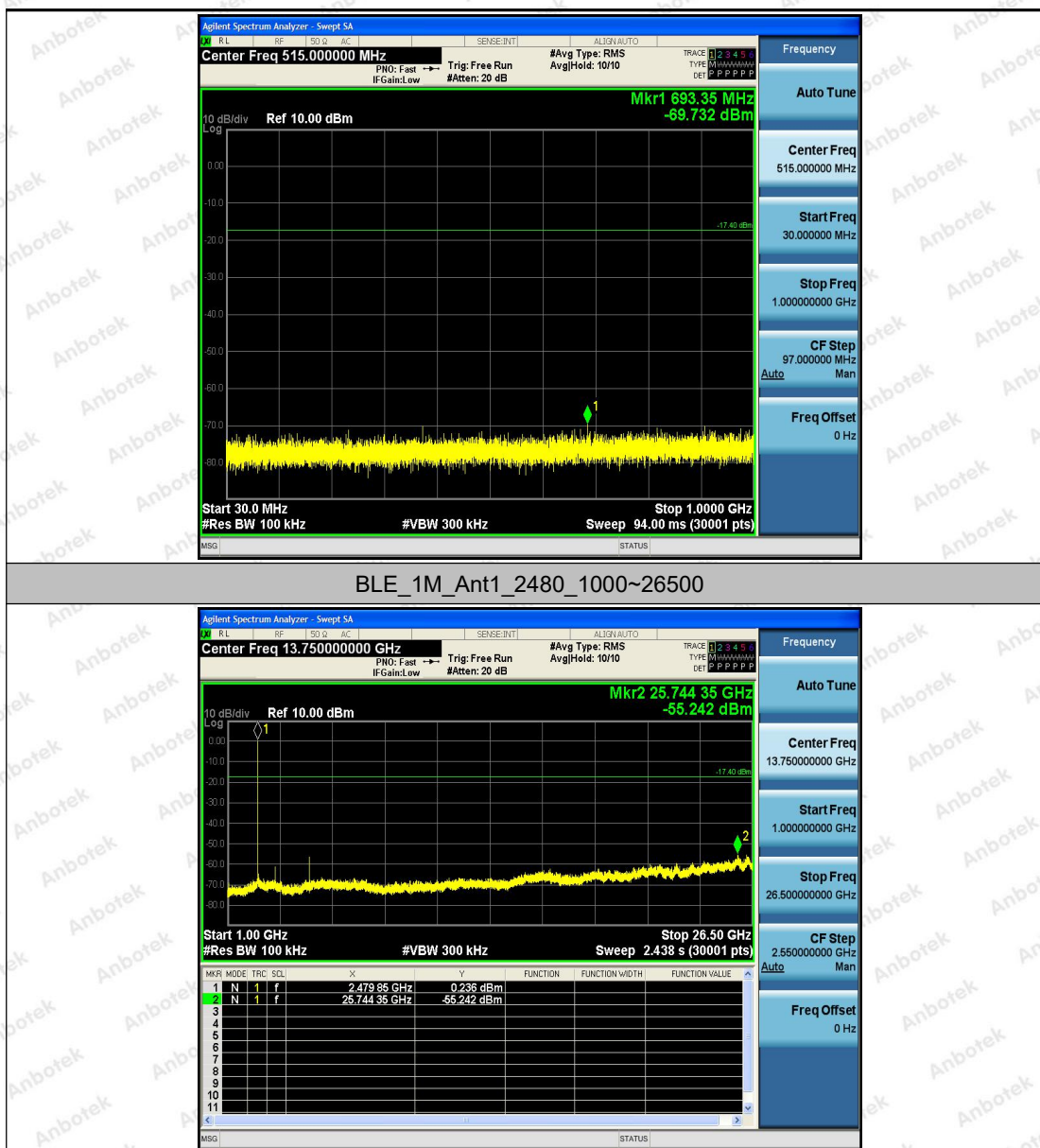
BLE_1M_Ant1_2480_30~1000

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Appendix G: Duty Cycle

Test Result

Test Mode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	X Factor	Limit	Verdict
BLE_1M	Ant1	2402	2.14	2.50	0.8560	85.60	0.68	---	PASS
		2440	0.00	0.01	0.0000	100	正无穷大	---	PASS
		2480	2.14	2.50	0.8560	85.60	0.68	---	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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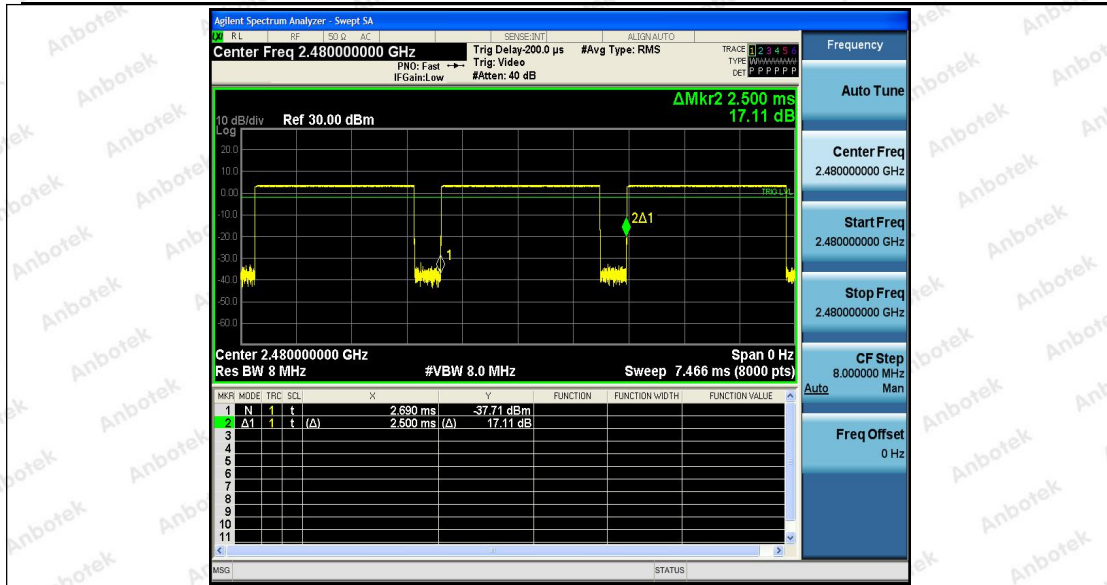
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