

Appendix Test Data

Report No.:	18220WC20035401	Test Sample No.:	1-2-2
Start Test Date:	2022.3.8	Finish Test Date:	2022.3.16
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.3℃	Relative Humidity:	56.7 %
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	0.708	2401.644	2402.352	≥0.5	PASS
		2440	0.704	2439.644	2440.348	≥0.5	PASS
		2480	0.716	2479.636	2480.352	≥0.5	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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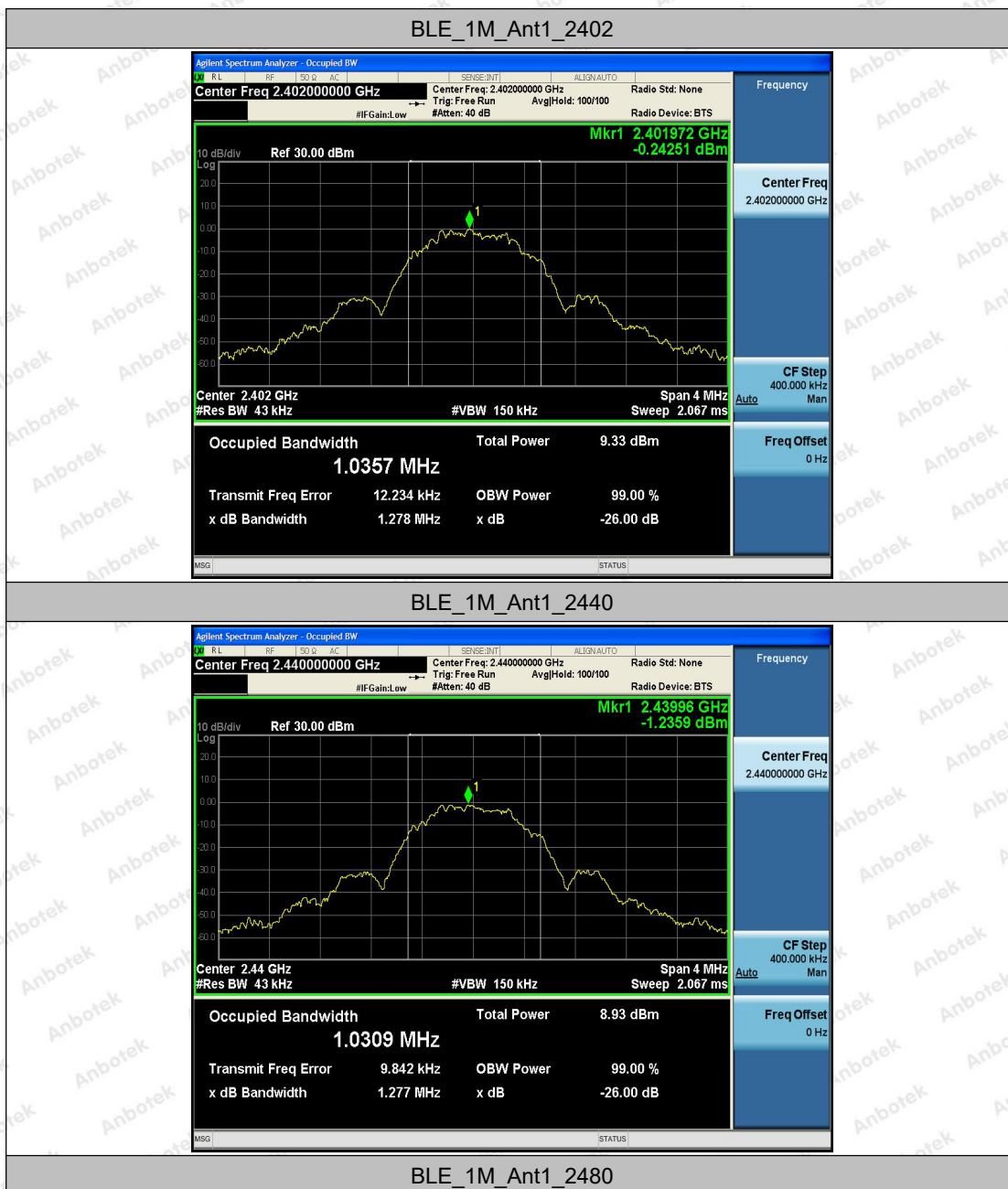
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0357	2401.494	2402.530	---	PASS
		2440	1.0309	2439.494	2440.525	---	PASS
		2480	1.0327	2479.494	2480.527	---	PASS

Test Graphs



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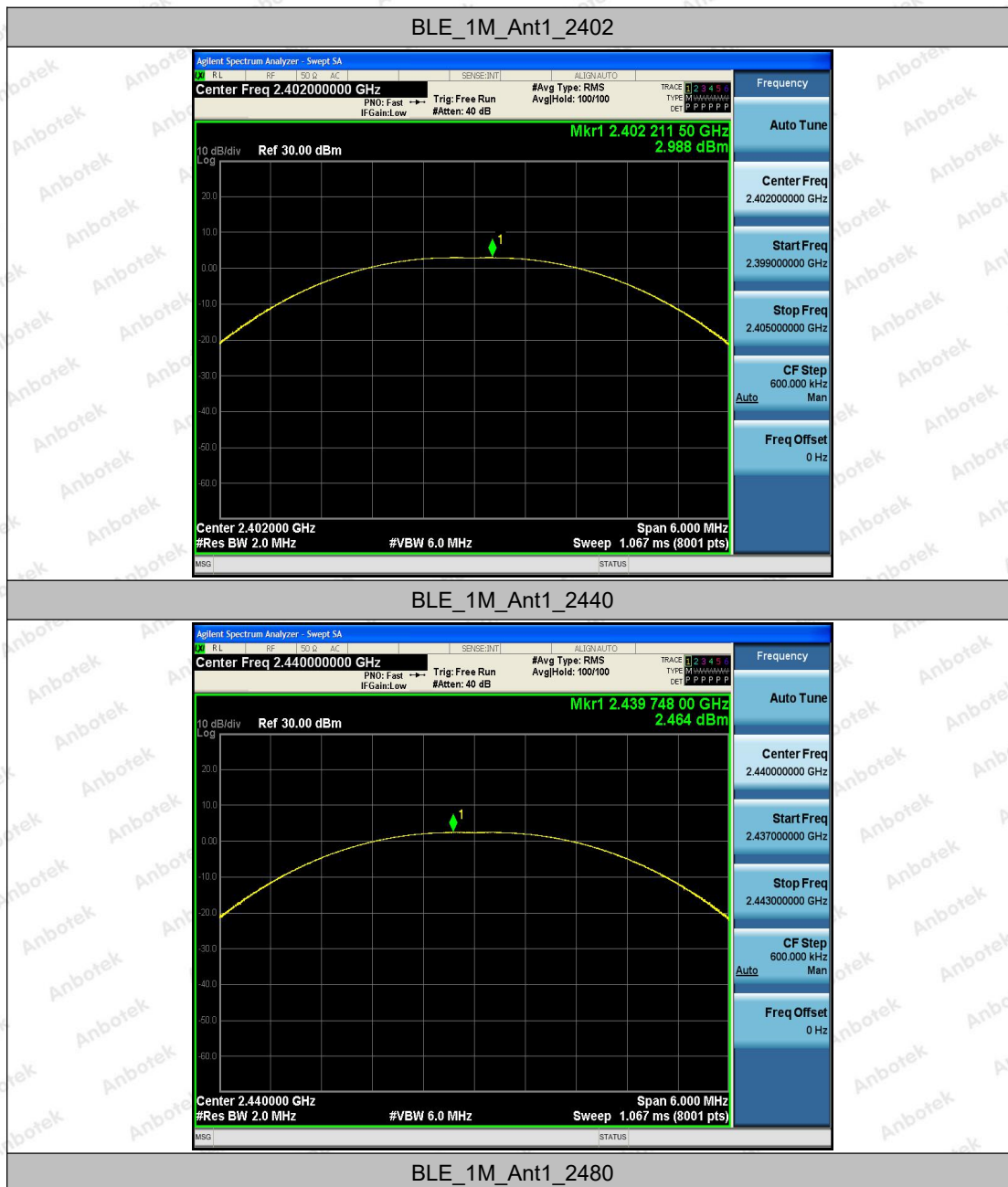
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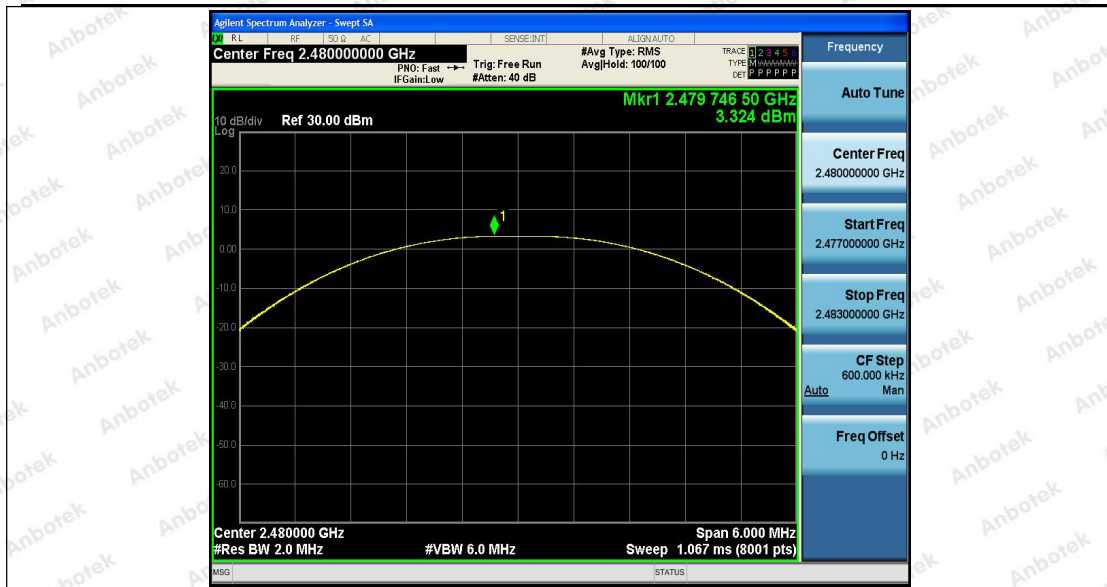
Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.99	≤30	PASS
		2440	2.46	≤30	PASS
		2480	3.32	≤30	PASS

Test Graphs





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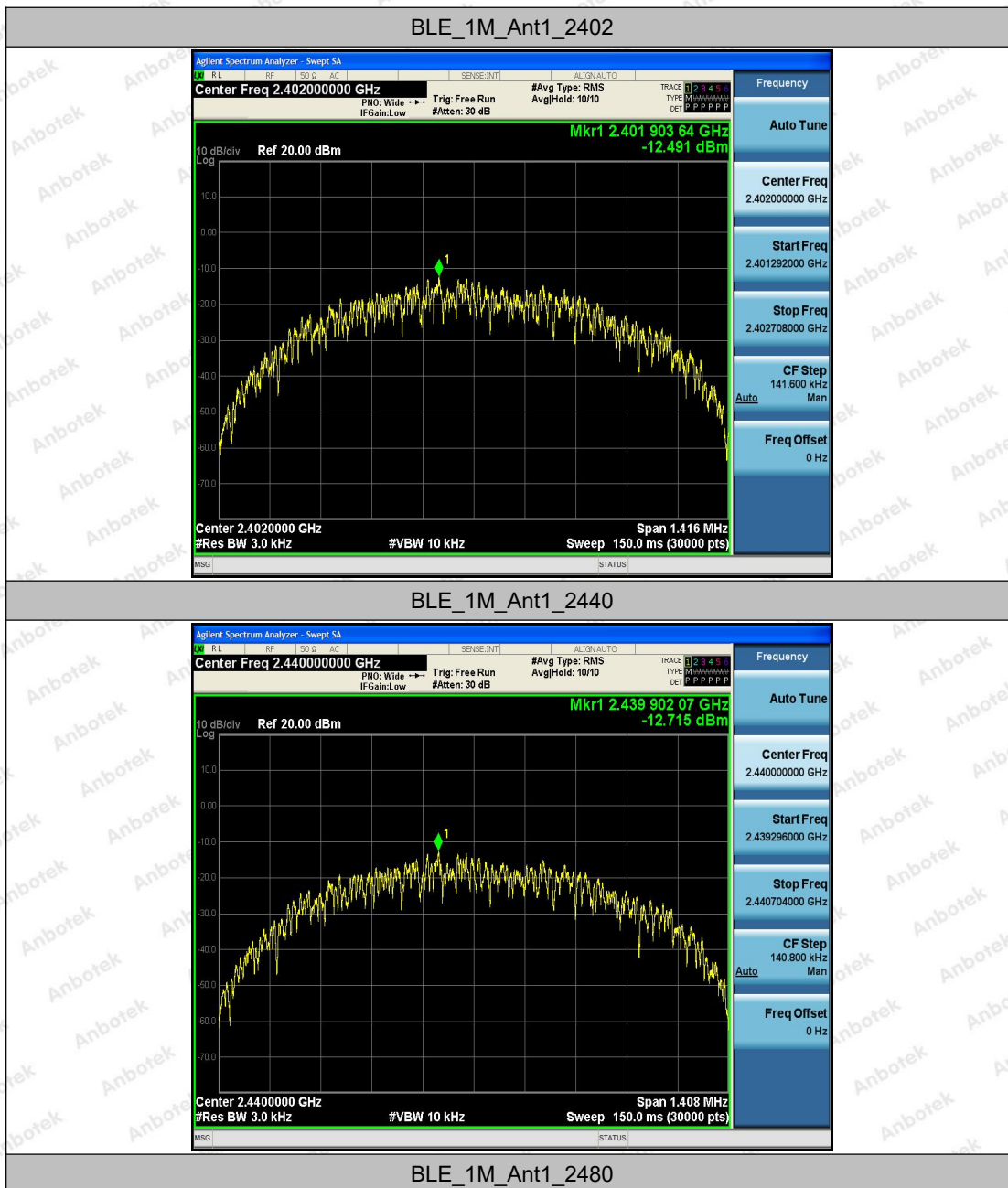
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.49	≤8	PASS
		2440	-12.72	≤8	PASS
		2480	-11.86	≤8	PASS

Test Graphs

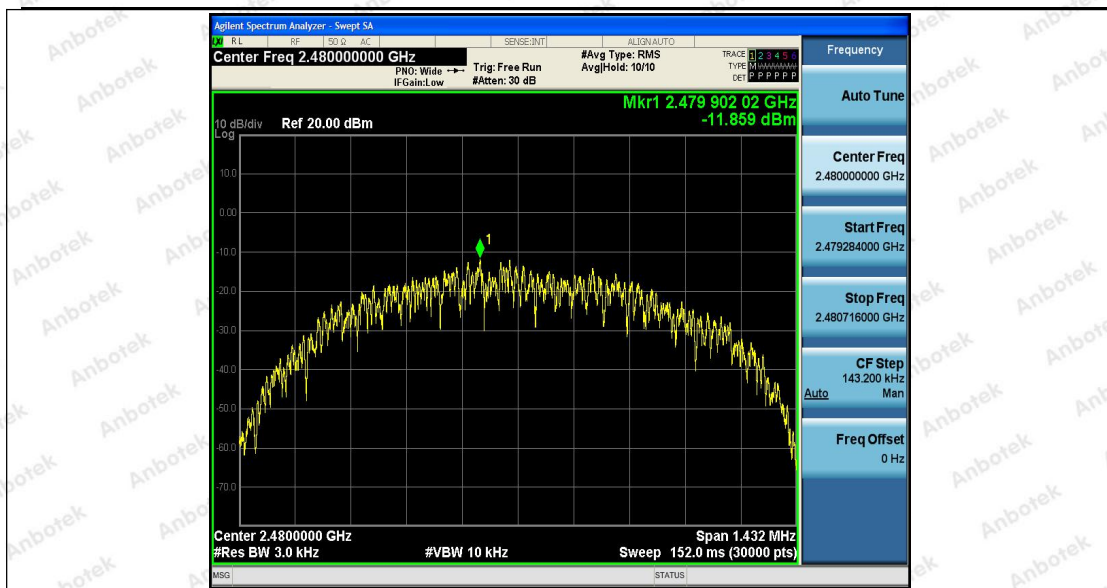


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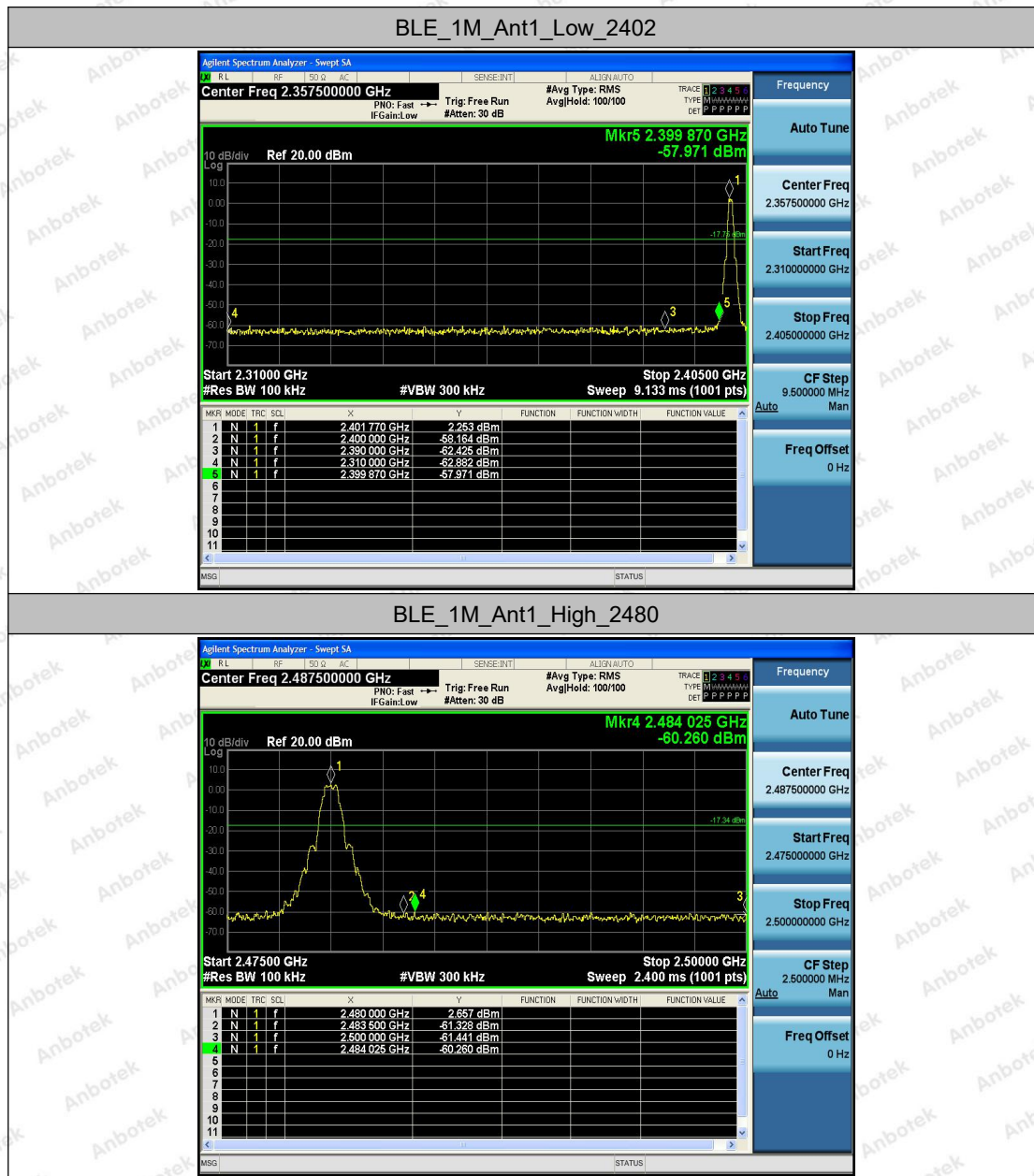
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	2.25	-57.97	≤ -17.75	PASS
		High	2480	2.66	-60.26	≤ -17.34	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

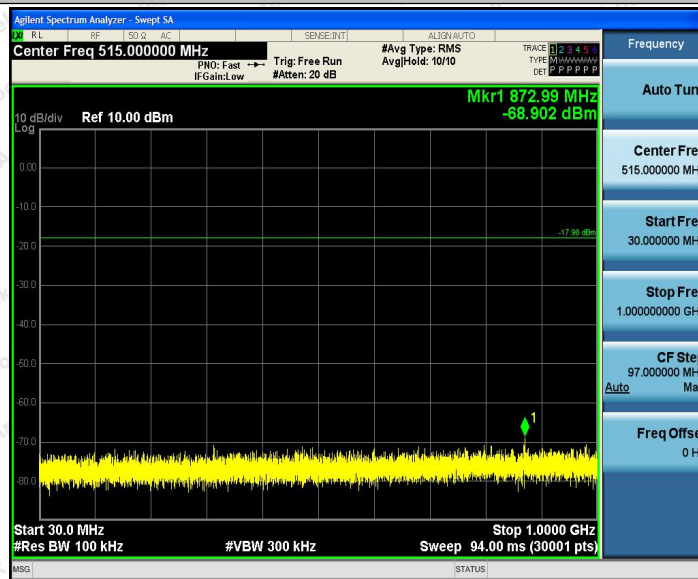
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	2.03	2.03	---	PASS
			30~1000	2.03	-68.9	≤-17.98	PASS
			1000~265 00	2.03	-54.59	≤-17.98	PASS
		2440	Reference	1.53	1.53	---	PASS
			30~1000	1.53	-69.71	≤-18.47	PASS
			1000~265 00	1.53	-54.98	≤-18.47	PASS
		2480	Reference	2.27	2.27	---	PASS
			30~1000	2.27	-70.22	≤-17.74	PASS
			1000~265 00	2.27	-54.46	≤-17.74	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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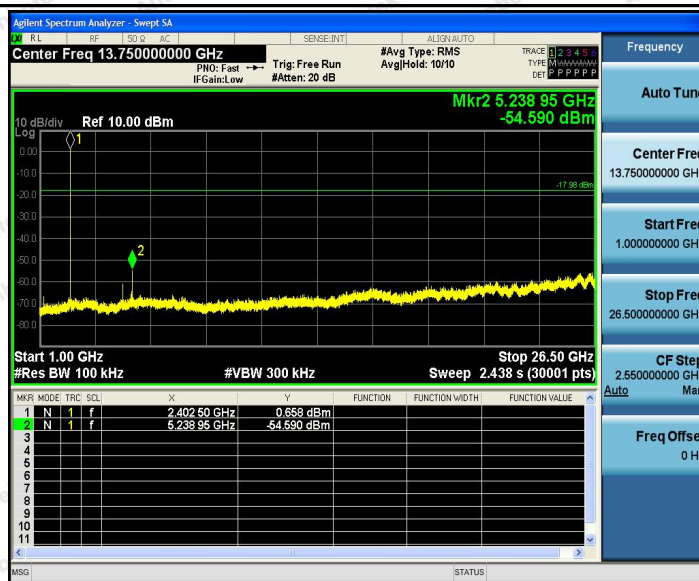
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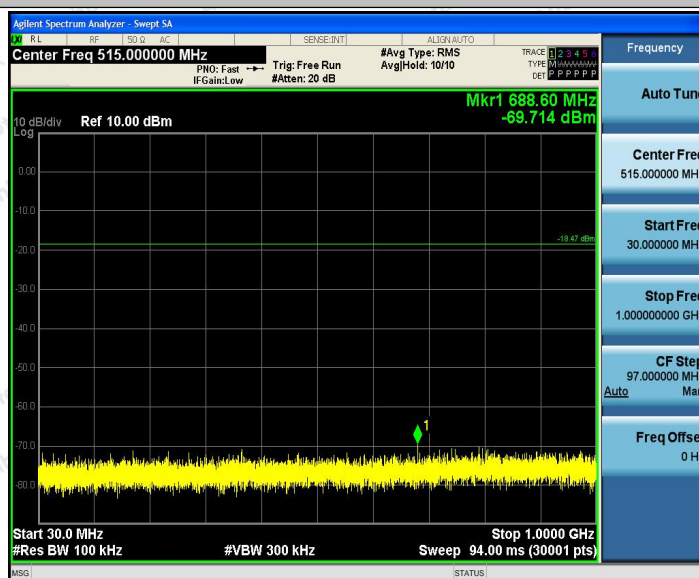
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



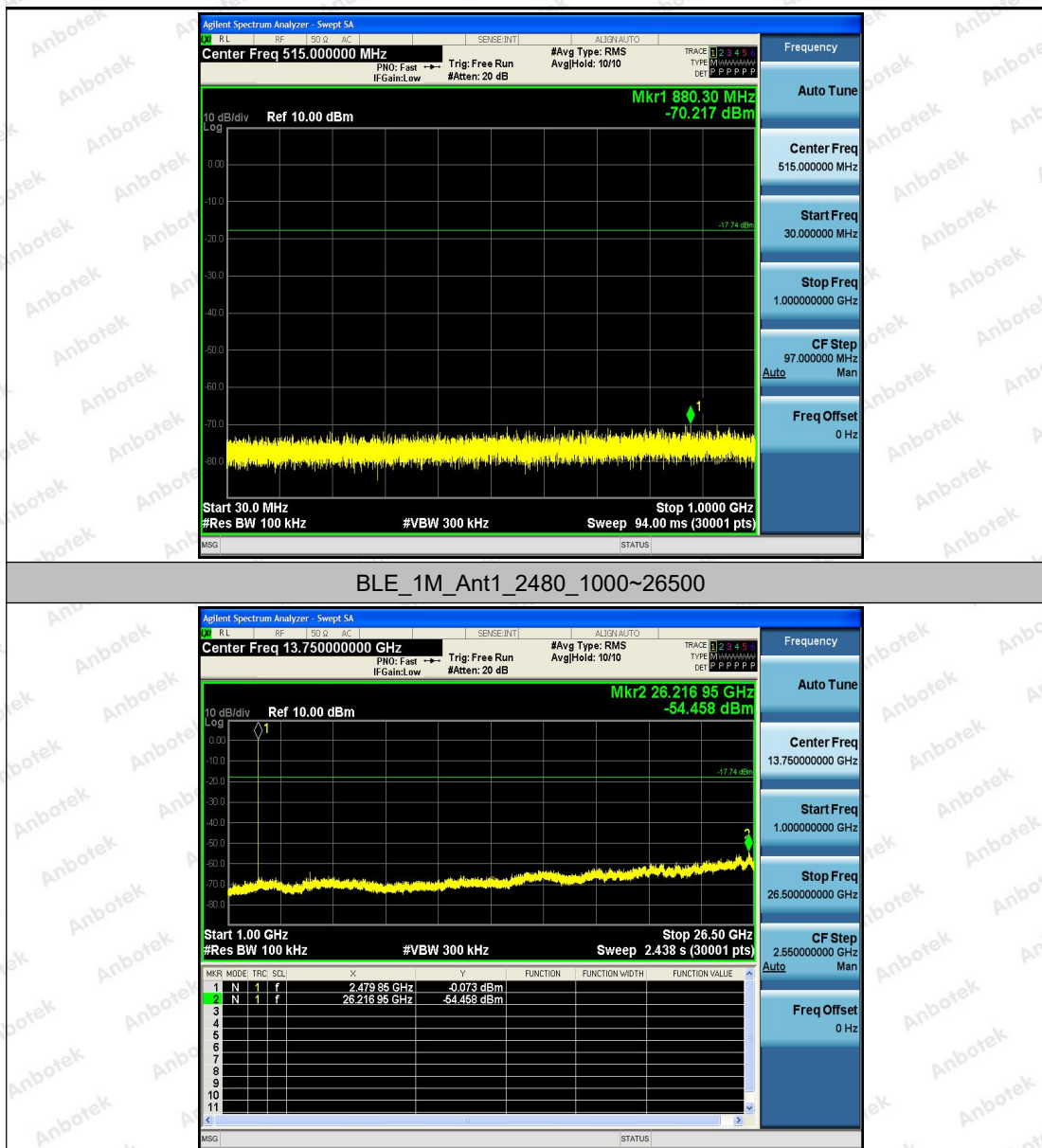
BLE_1M_Ant1_2480_30~1000

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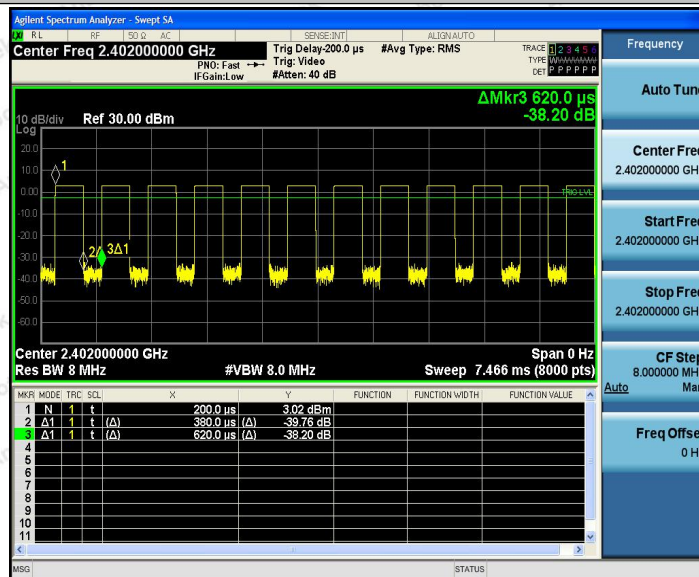
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFact or	Limit	Verdict
BLE_1M	Ant1	2402	0.38	0.62	0.6129	61.29	2.13	---	PASS
		2440	0.38	0.62	0.6129	61.29	2.13	---	PASS
		2480	0.38	0.62	0.6129	61.29	2.13	---	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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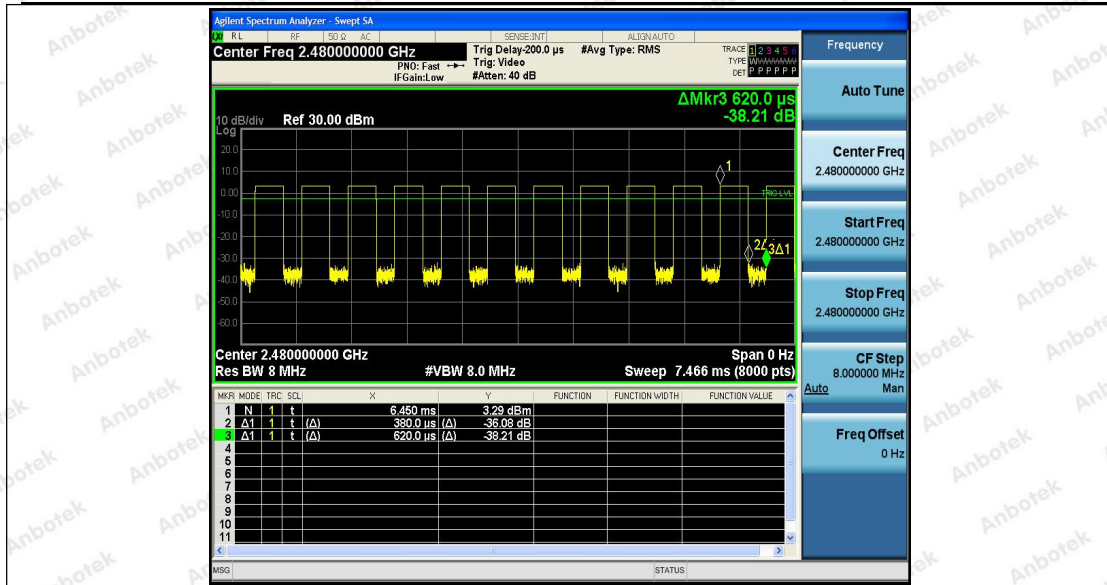
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