

Appendix Test Data

Report No.:	18220WC20012601	Test Sample No.:	1-2-2
Start Test Date:	2022.1.22	Finish Test Date:	2022.1.25
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.3℃	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	0.692	2401.652	2402.344	≥0.5	PASS
		2440	0.692	2439.640	2440.332	≥0.5	PASS
		2480	0.668	2479.664	2480.332	≥0.5	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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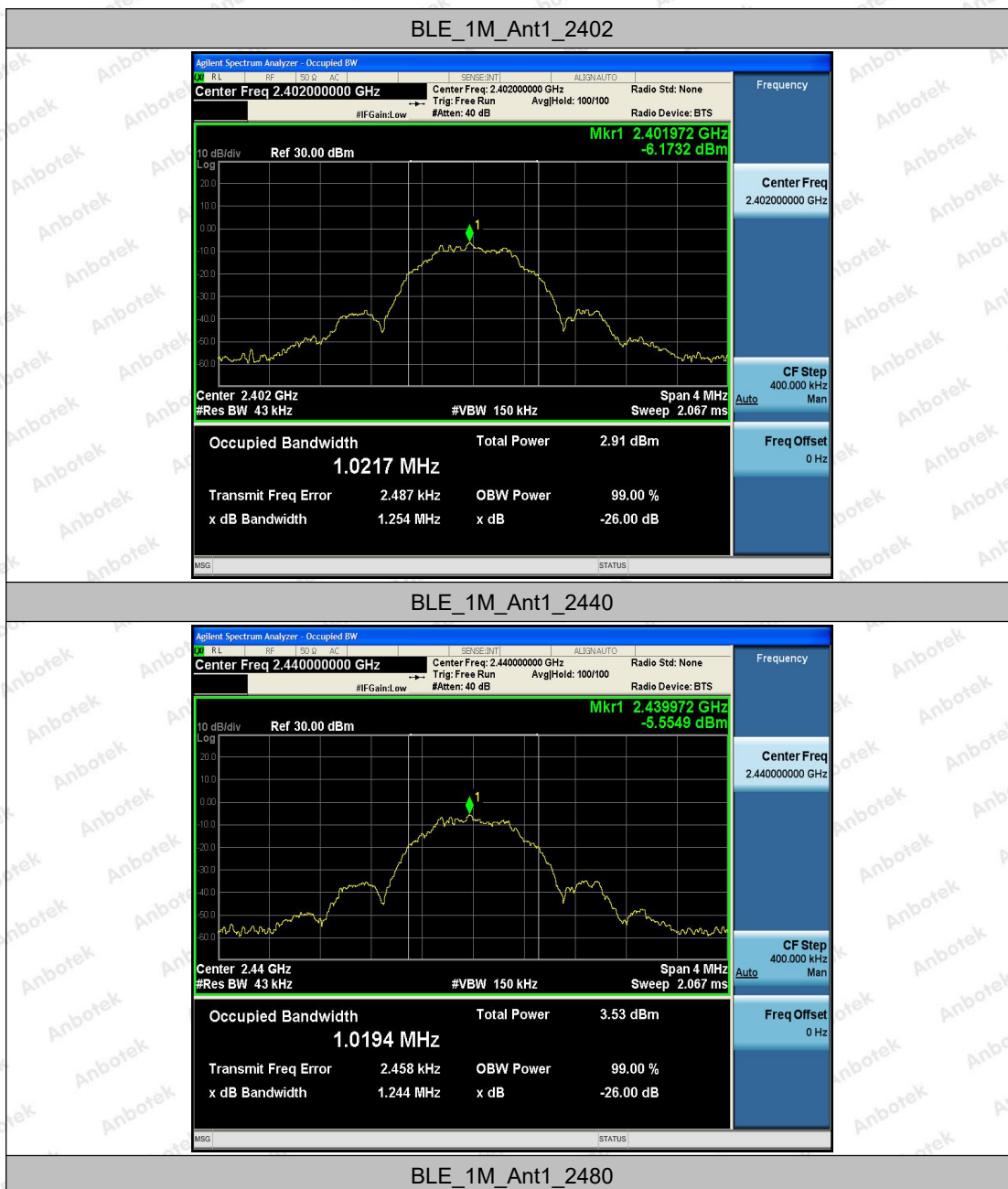
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0217	2401.492	2402.513	---	PASS
		2440	1.0194	2439.493	2440.512	---	PASS
		2480	1.0257	2479.493	2480.519	---	PASS

Test Graphs



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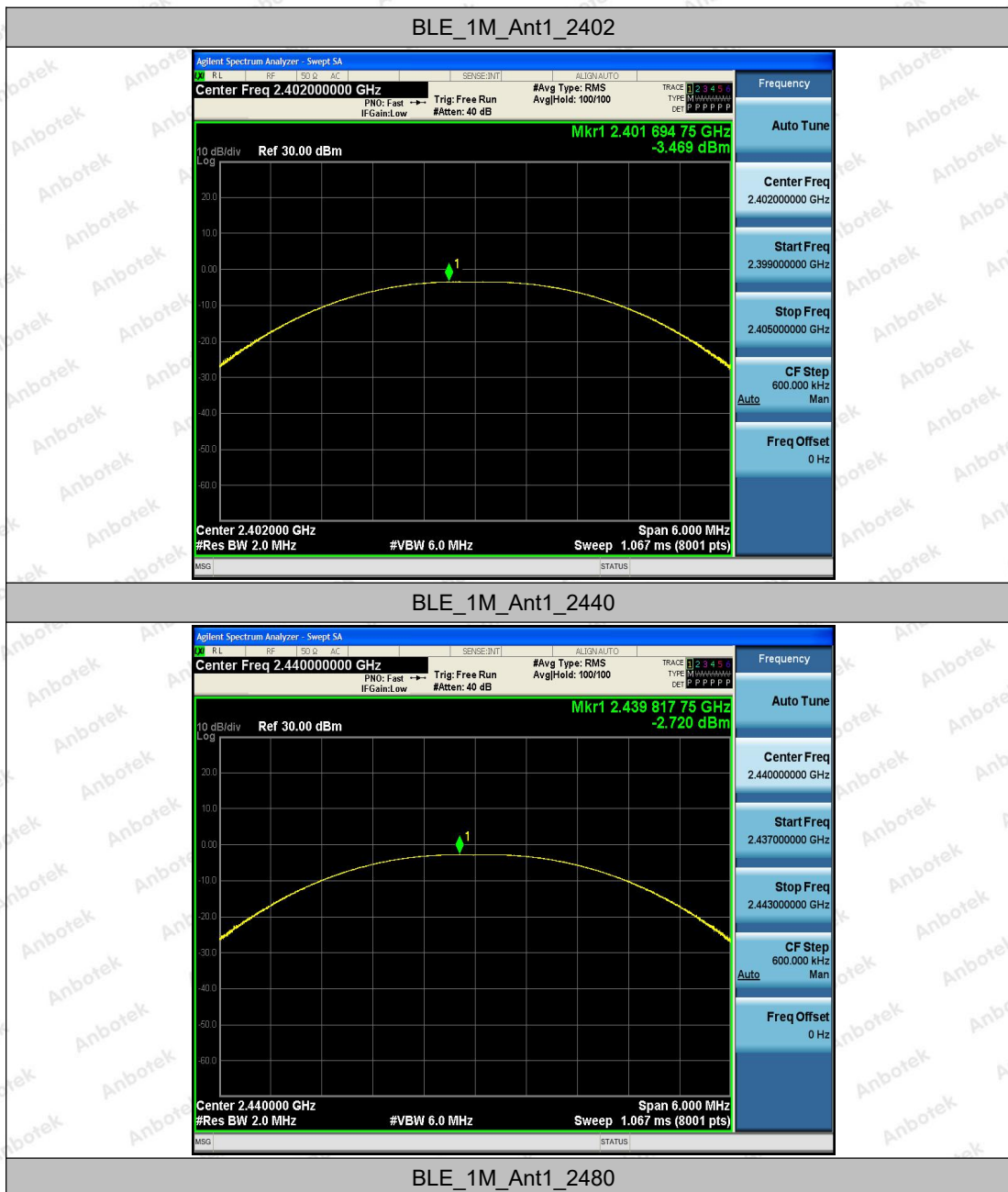
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-3.47	≤30	PASS
		2440	-2.72	≤30	PASS
		2480	-2.5	≤30	PASS

Test Graphs

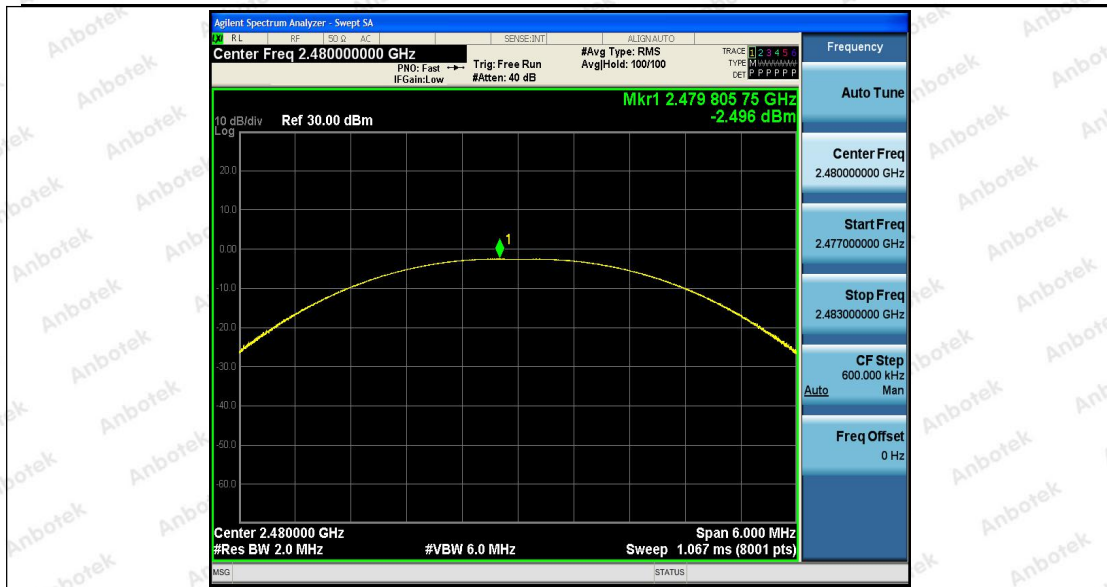


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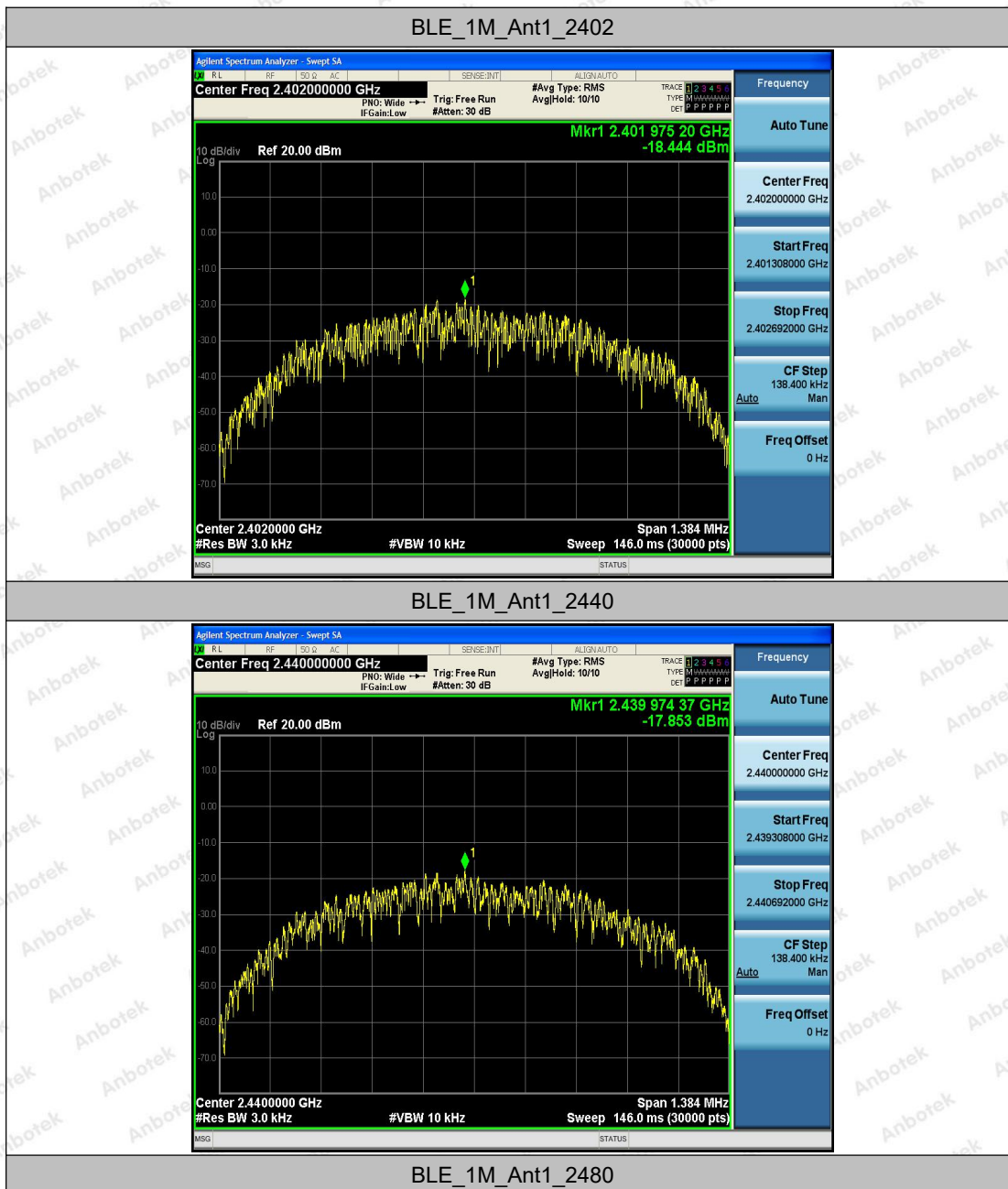
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-18.44	≤8	PASS
		2440	-17.85	≤8	PASS
		2480	-17.61	≤8	PASS

Test Graphs

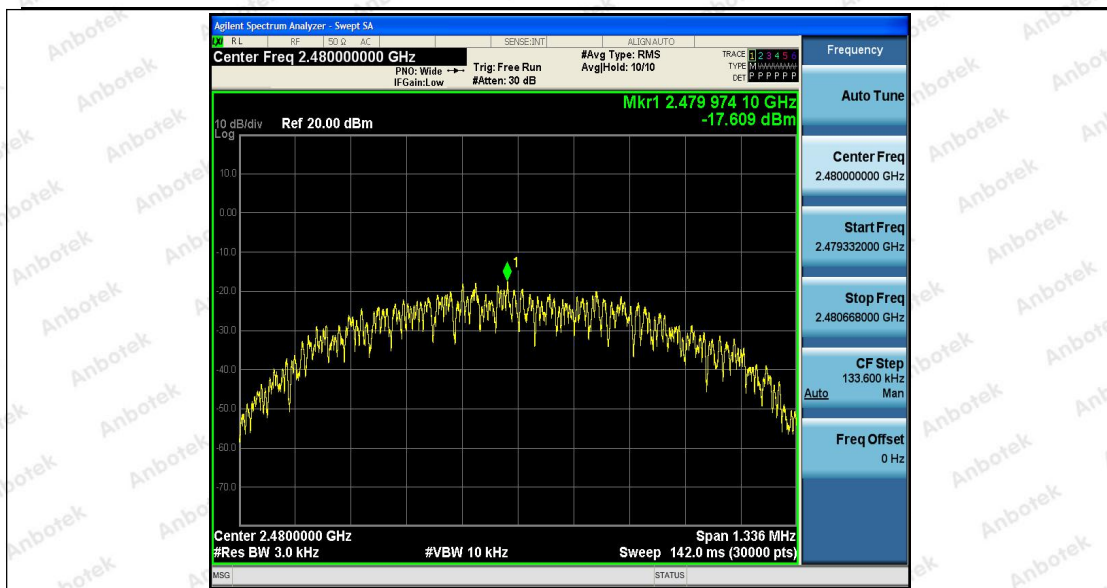


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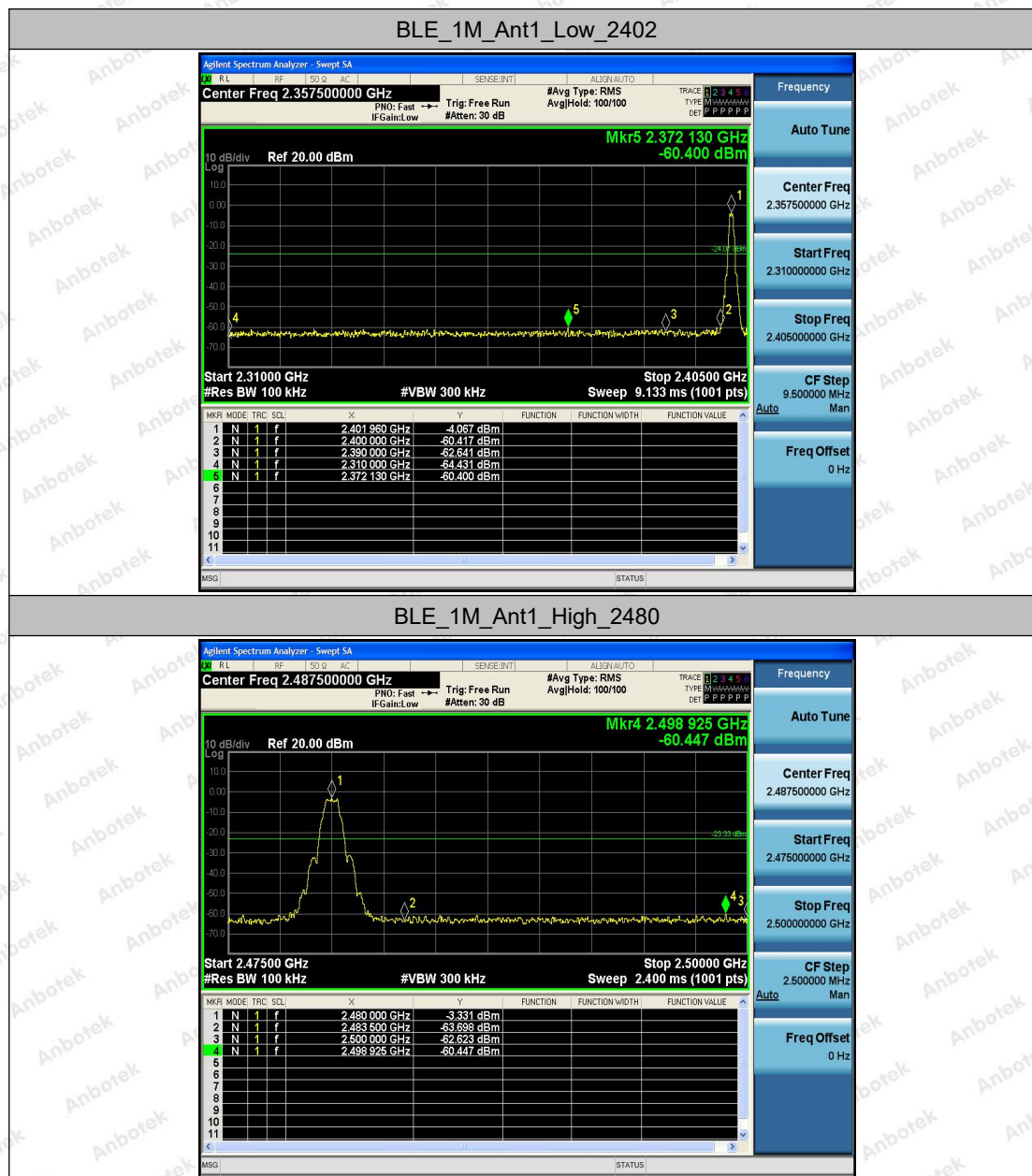
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-4.07	-60.4	≤ -24.07	PASS
		High	2480	-3.33	-60.45	≤ -23.33	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

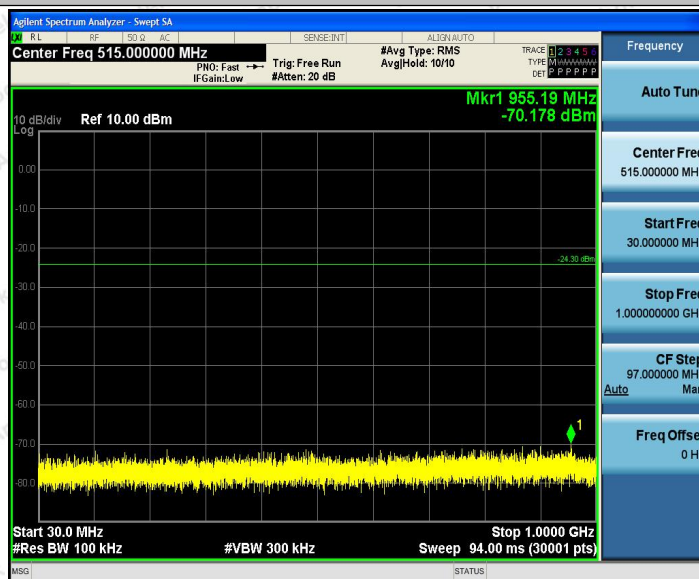
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-4.30	-4.30	---	PASS
			30~1000	-4.30	-70.18	≤-24.3	PASS
			1000~265 00	-4.30	-47.4	≤-24.3	PASS
		2440	Reference	-3.74	-3.74	---	PASS
			30~1000	-3.74	-63.27	≤-23.74	PASS
			1000~265 00	-3.74	-47.59	≤-23.74	PASS
		2480	Reference	-3.65	-3.65	---	PASS
			30~1000	-3.65	-68.85	≤-23.65	PASS
			1000~265 00	-3.65	-45.09	≤-23.65	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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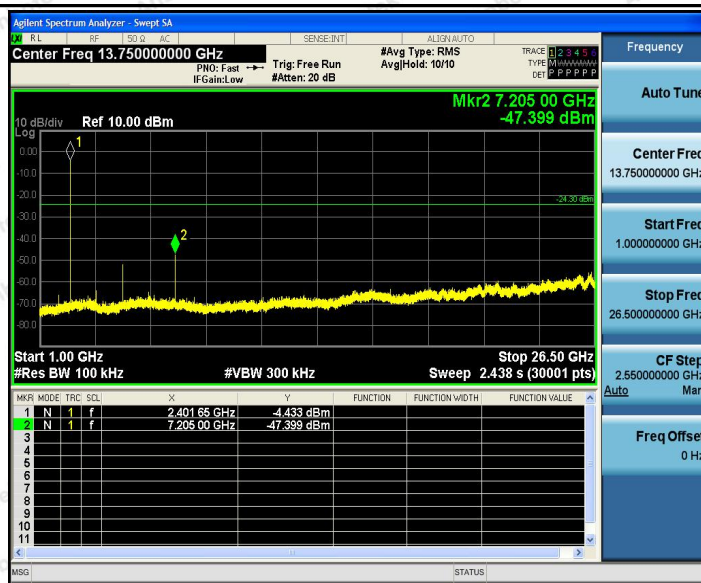
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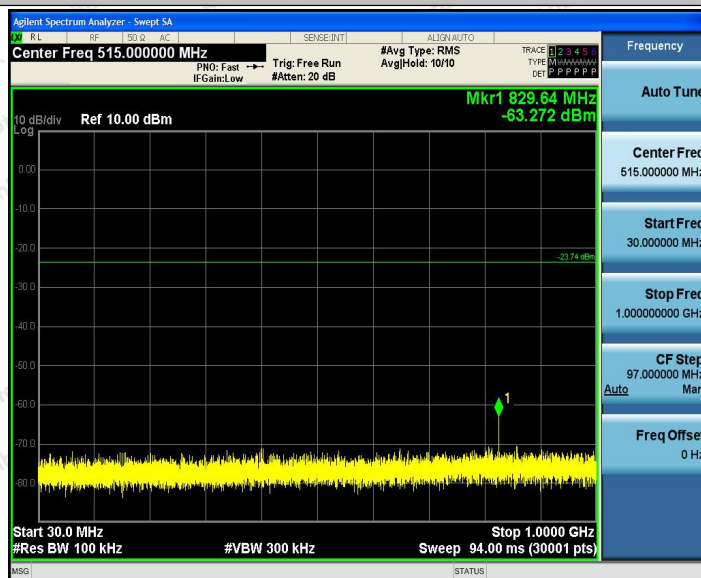
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



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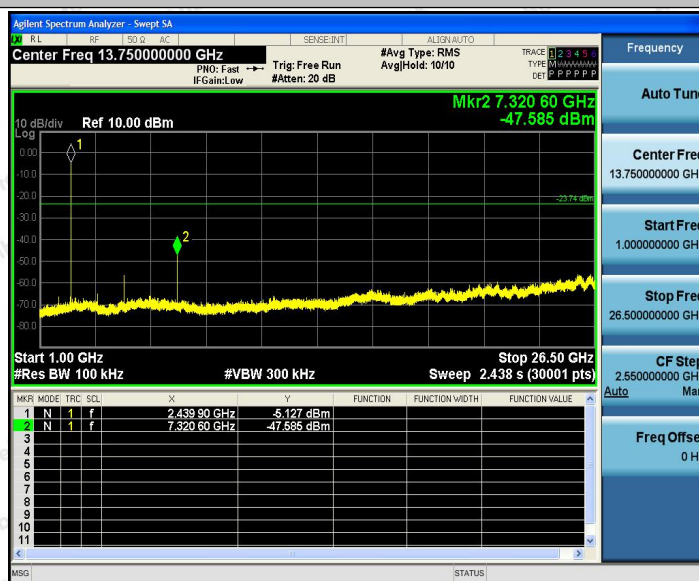


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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



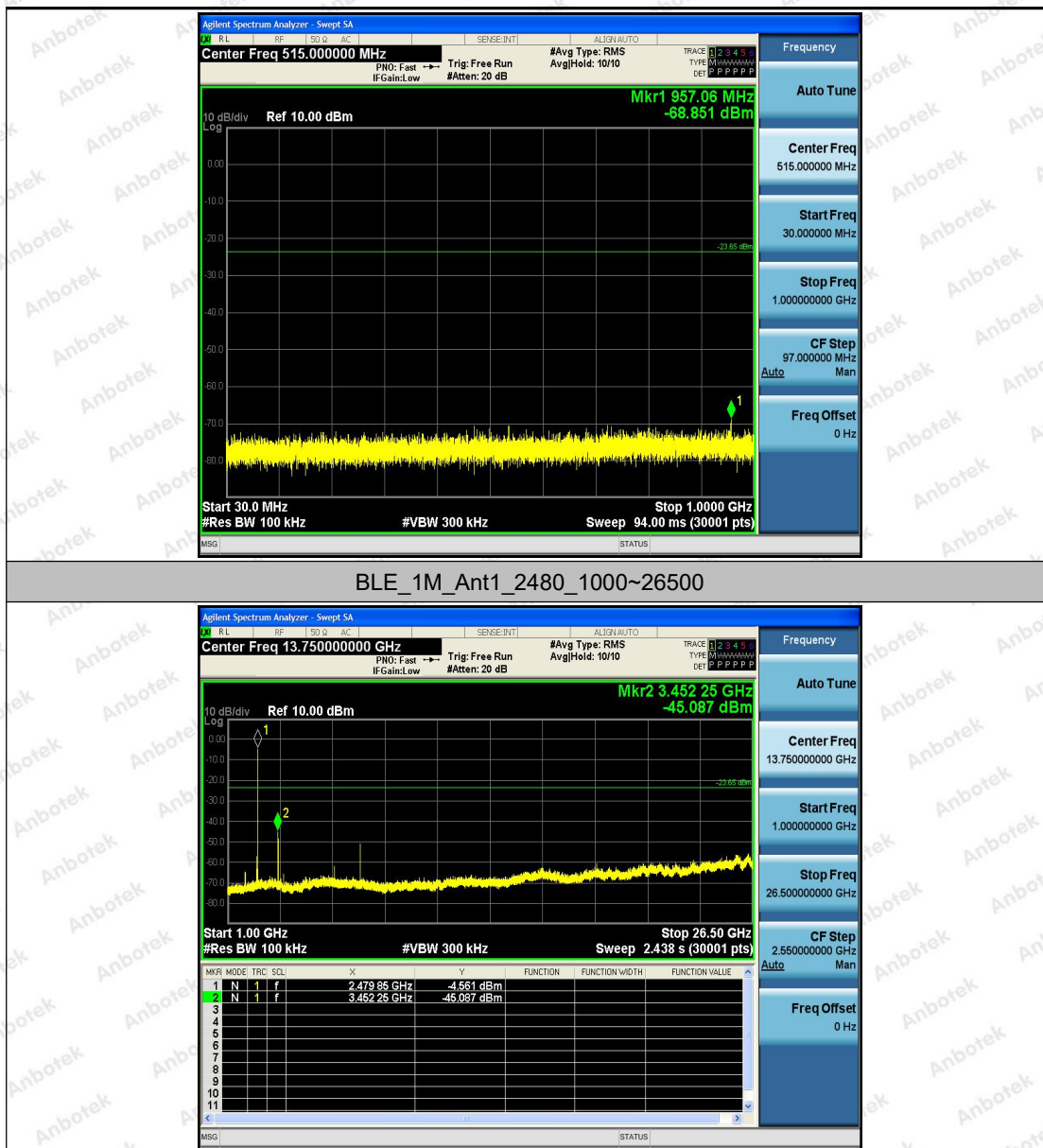
BLE_1M_Ant1_2480_30~1000

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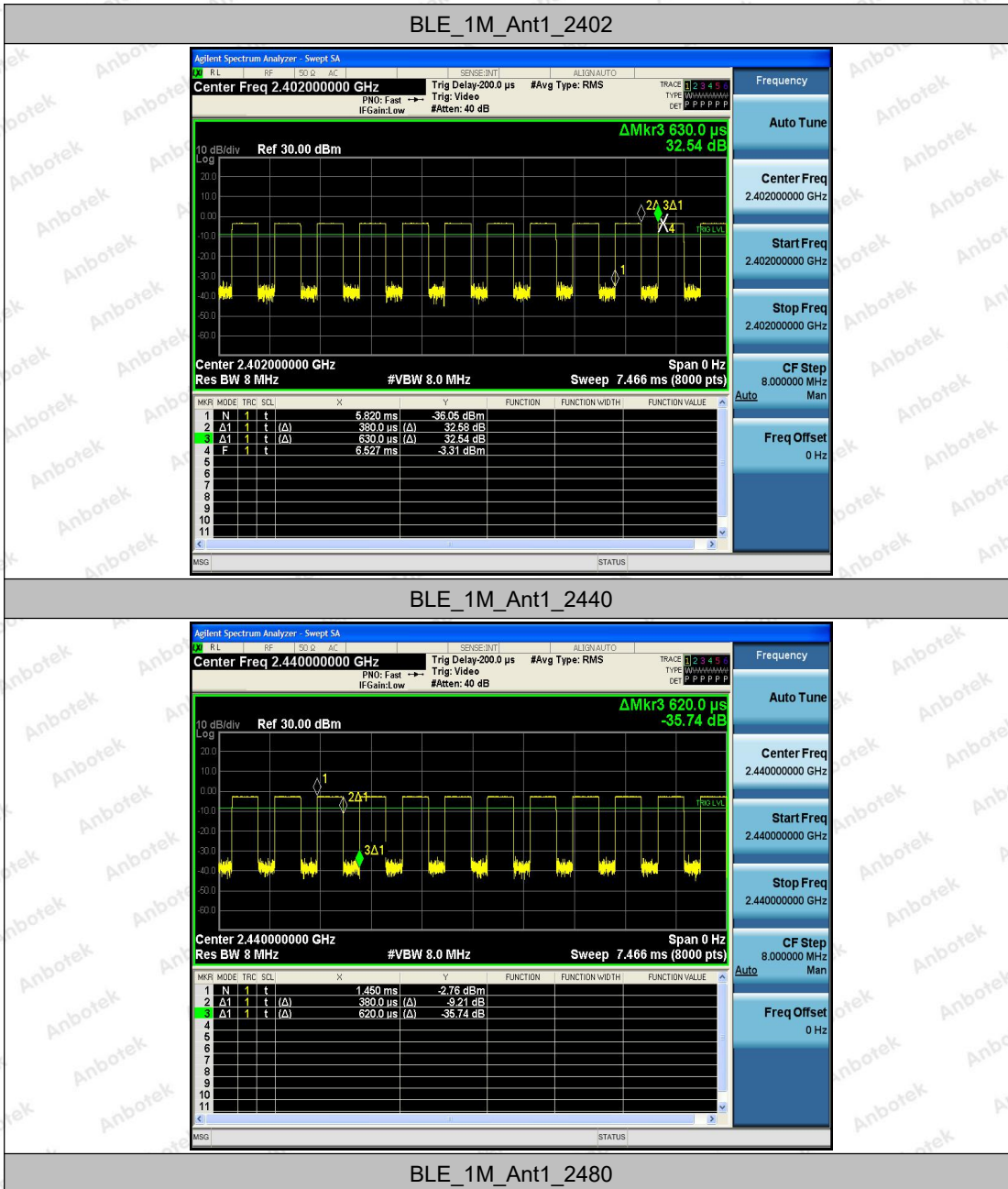
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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.38	0.63	0.603 2	60.32	2.20	---	PASS
		2440	0.38	0.62	0.612 9	61.29	2.13	---	PASS
		2480	0.38	0.63	0.603 2	60.32	2.20	---	PASS

Test Graphs



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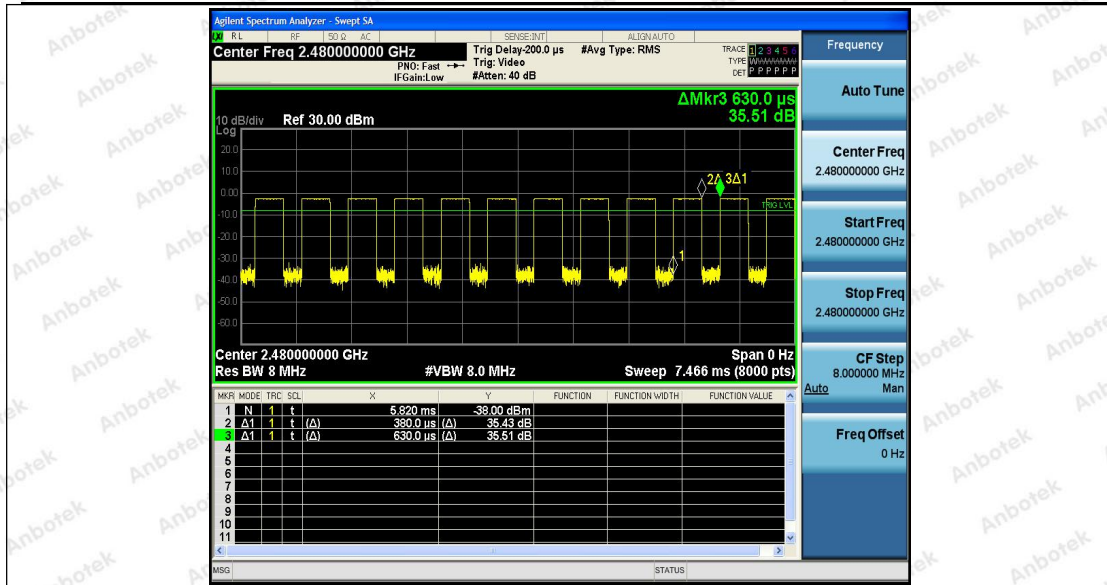
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