

Appendix Test Data

Report No.:	18220WC20143502	Test Sample No.:	1-2-2
Start Test Date:	2022.7.5	Finish Test Date:	2022.7.13
Test Engineer:	<i>Jony.He</i>	Auditor:	<i>Edward.Pan</i>
Temperature:	24.3℃	Relative Humidity:	57.3 %
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	0.676	2401.640	2402.316	≥0.5	PASS
		2440	0.664	2439.648	2440.312	≥0.5	PASS
		2480	0.676	2479.640	2480.316	≥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	1.0308	2401.481	2402.512	---	PASS
		2440	1.0292	2439.483	2440.513	---	PASS
		2480	1.0215	2479.481	2480.503	---	PASS

Test Graphs

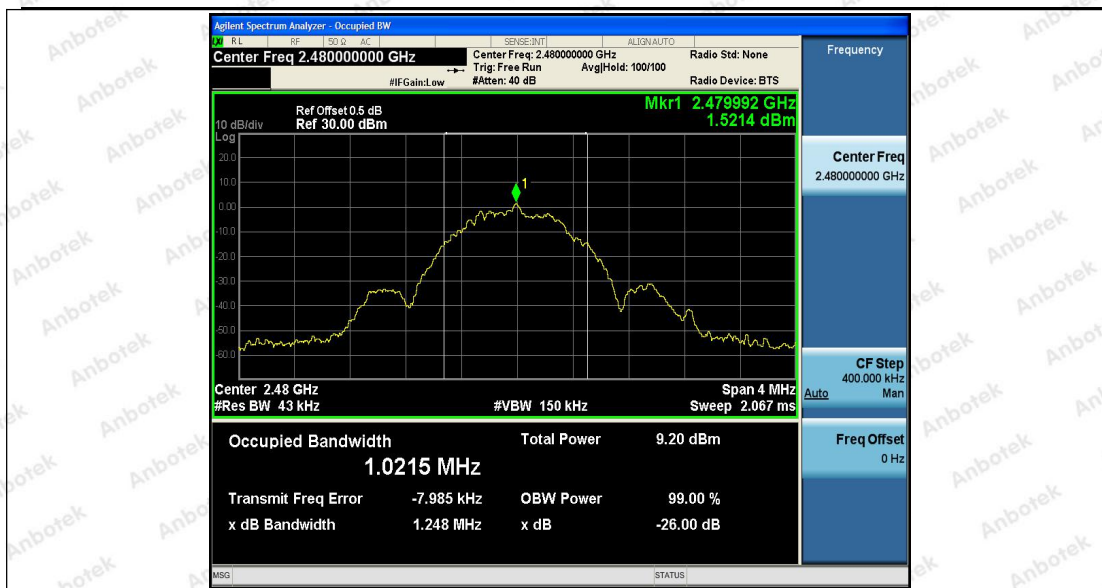


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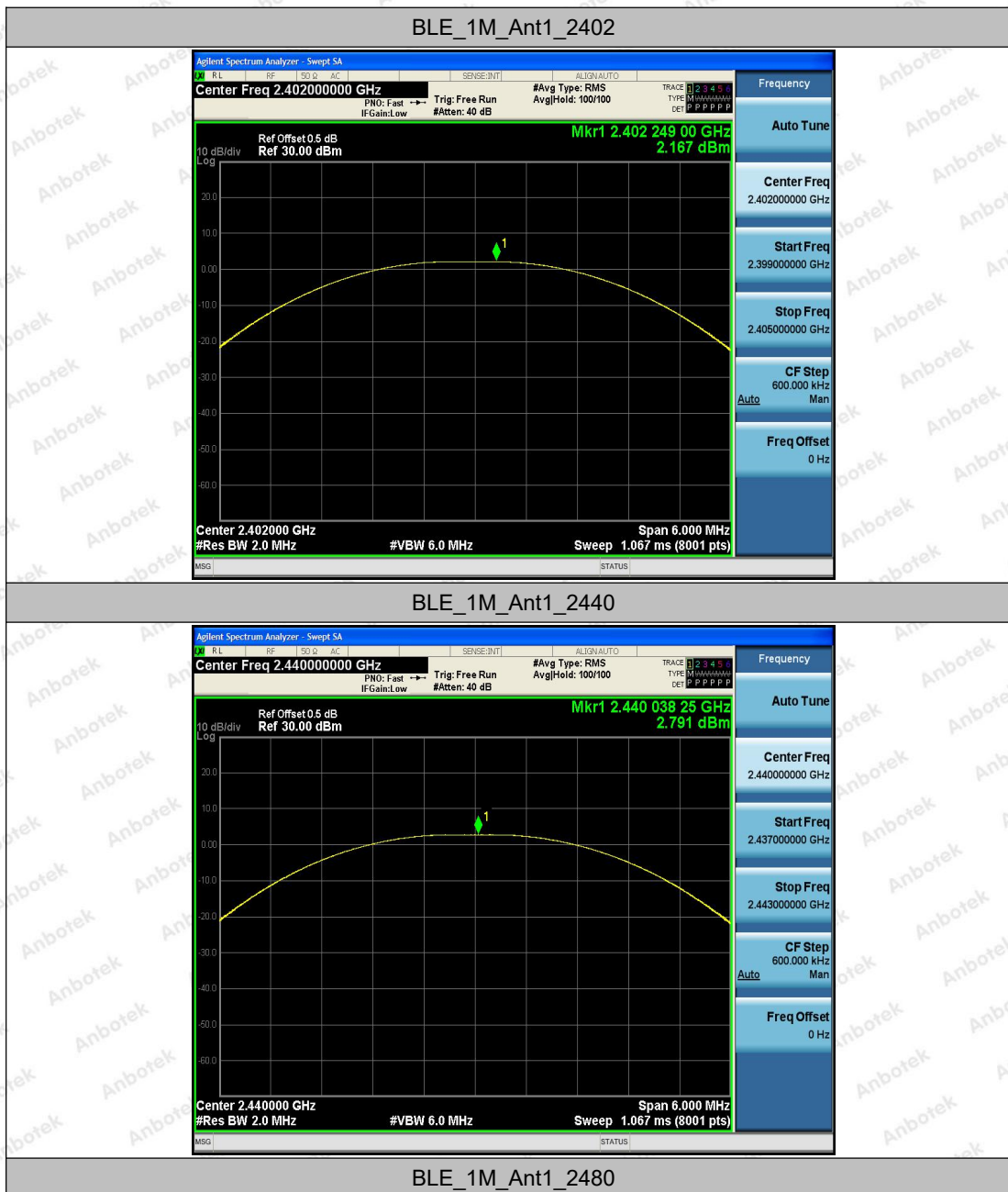
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.17	≤30	PASS
		2440	2.79	≤30	PASS
		2480	2.32	≤30	PASS

Test Graphs

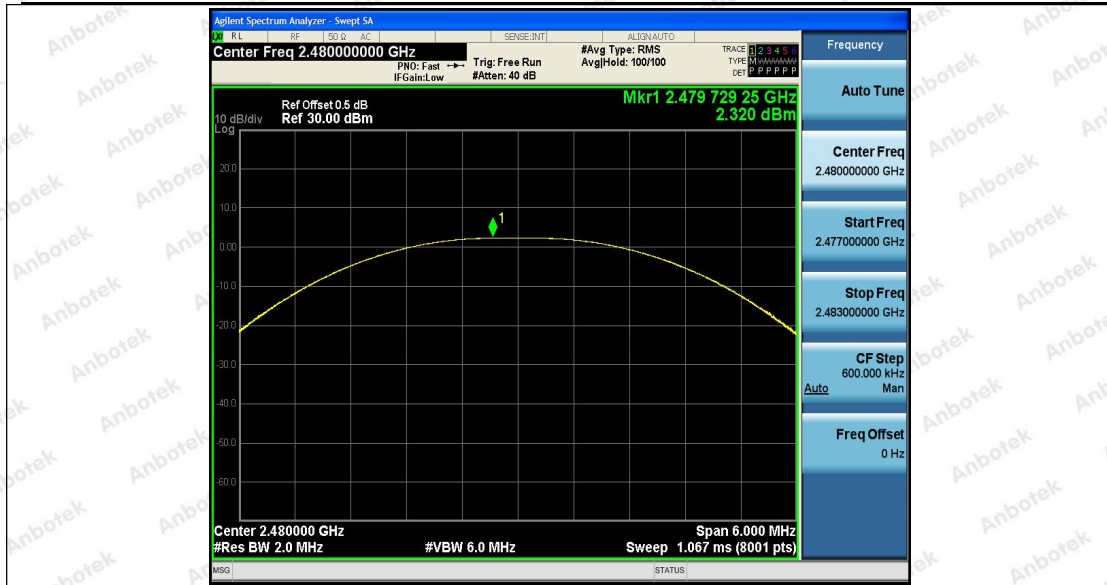


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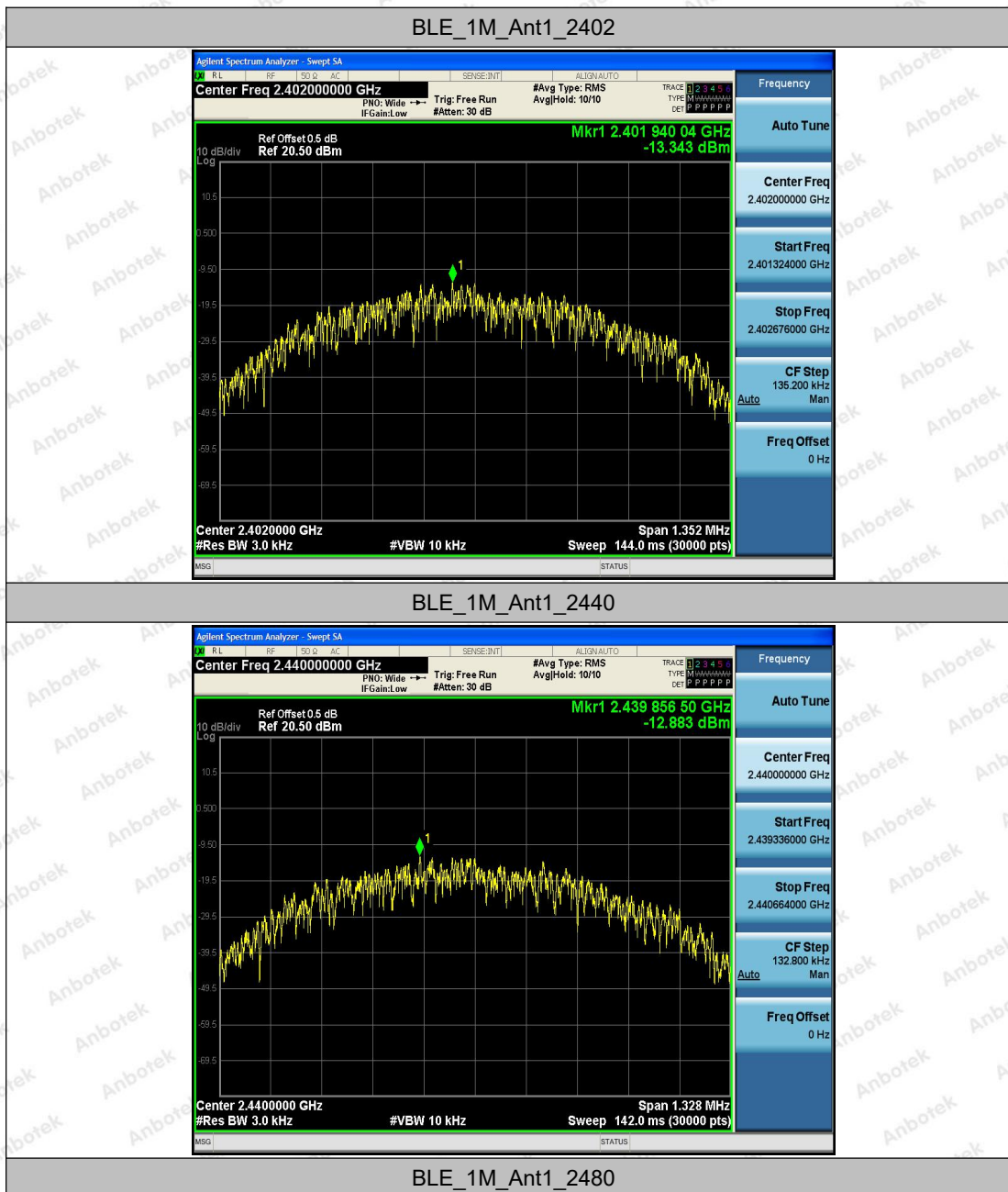
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.34	≤8	PASS
		2440	-12.88	≤8	PASS
		2480	-13.29	≤8	PASS

Test Graphs

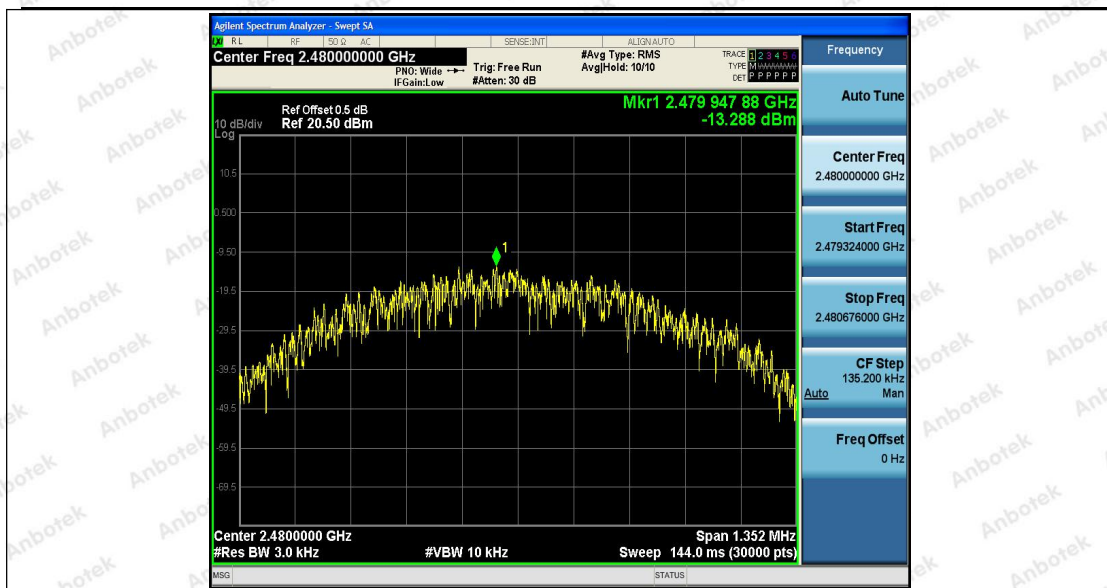


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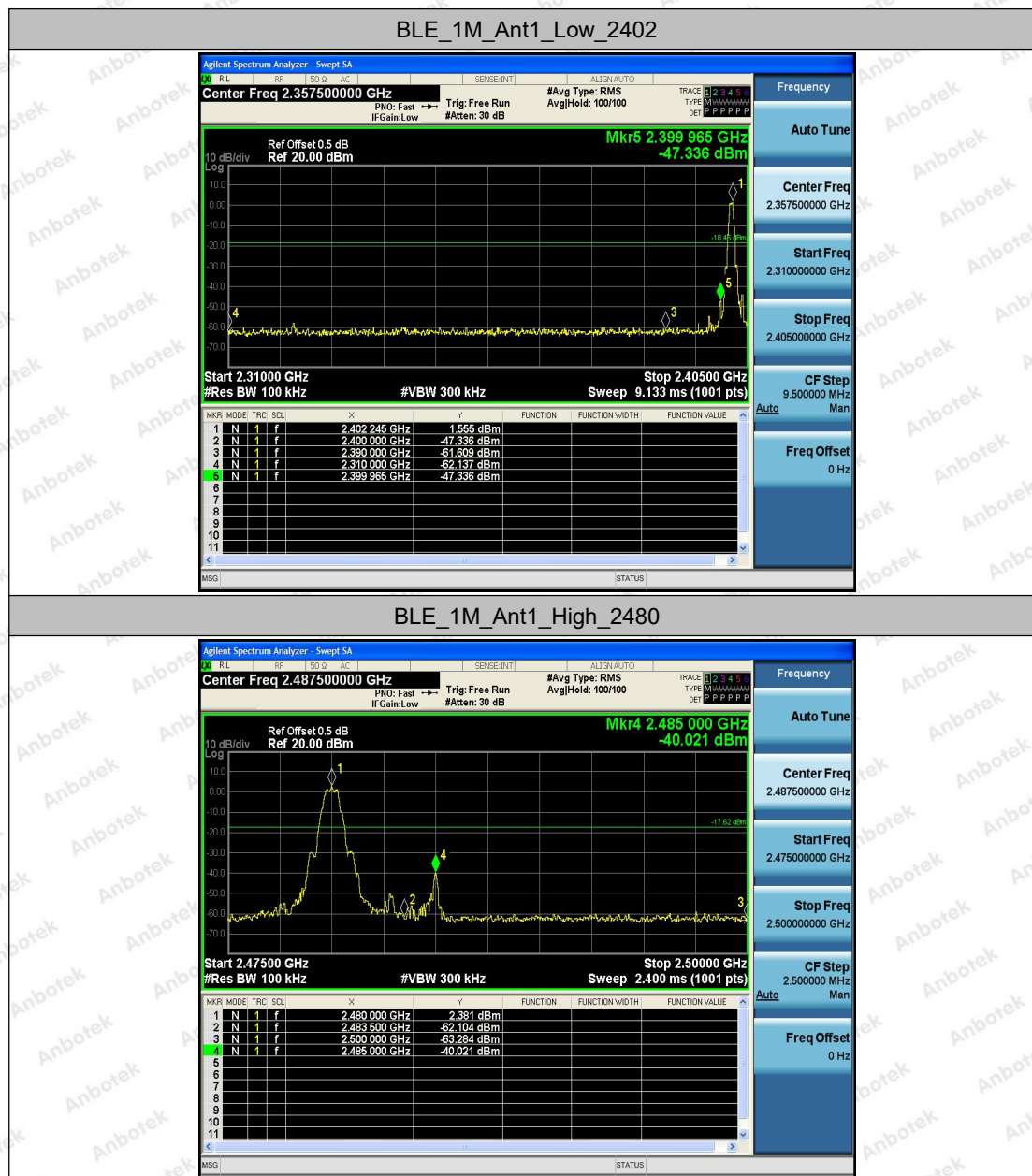
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.56	-47.34	≤-18.45	PASS
		High	2480	2.38	-40.02	≤-17.62	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

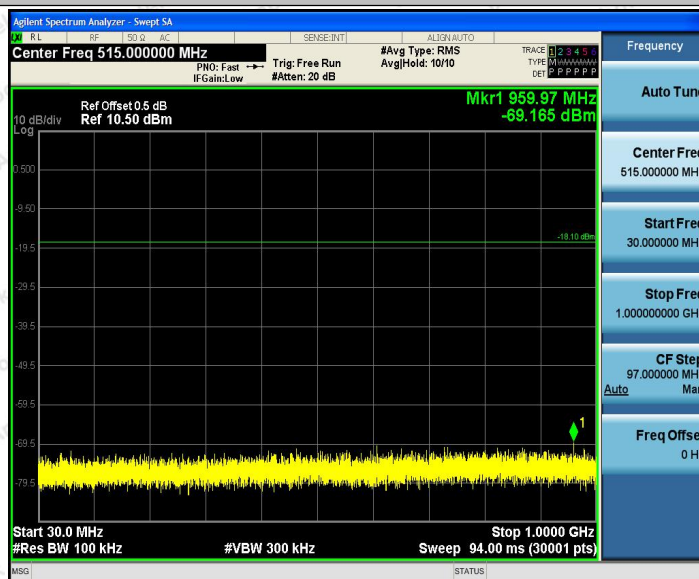
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	1.90	1.90	---	PASS
			30~1000	1.90	-69.17	≤-18.1	PASS
			1000~265 00	1.90	-54.63	≤-18.1	PASS
		2440	Reference	2.61	2.61	---	PASS
			30~1000	2.61	-70.07	≤-17.39	PASS
			1000~265 00	2.61	-54.22	≤-17.39	PASS
		2480	Reference	2.10	2.10	---	PASS
			30~1000	2.10	-69.55	≤-17.9	PASS
			1000~265 00	2.10	-54.6	≤-17.9	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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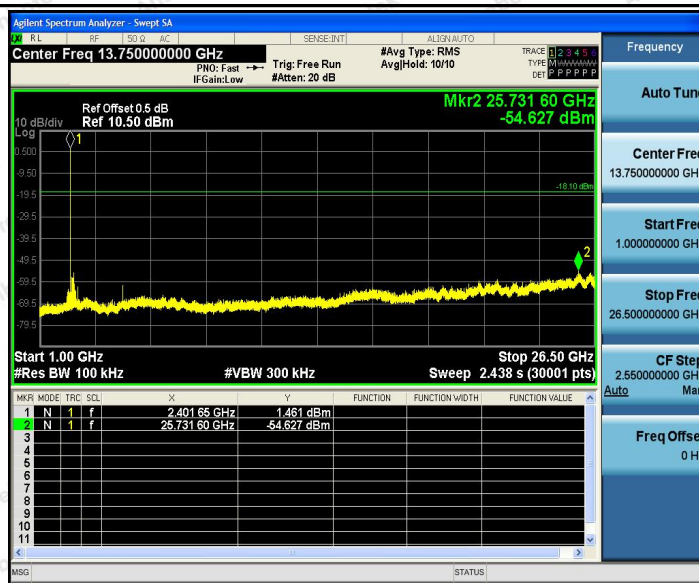
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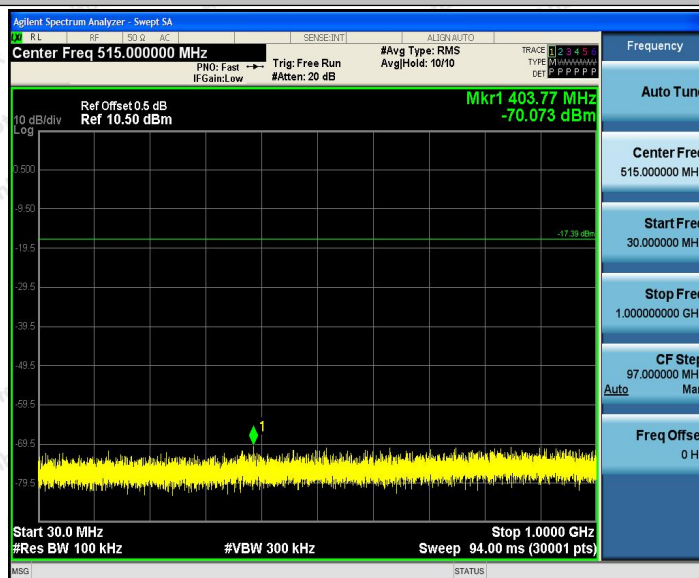
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



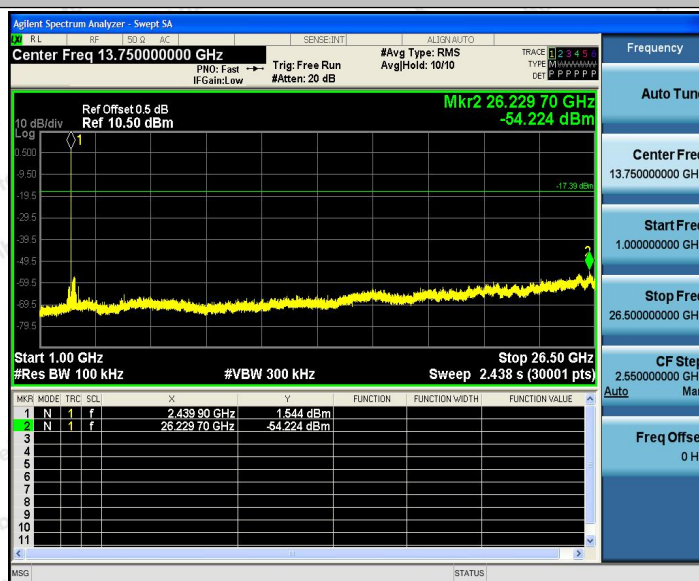
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



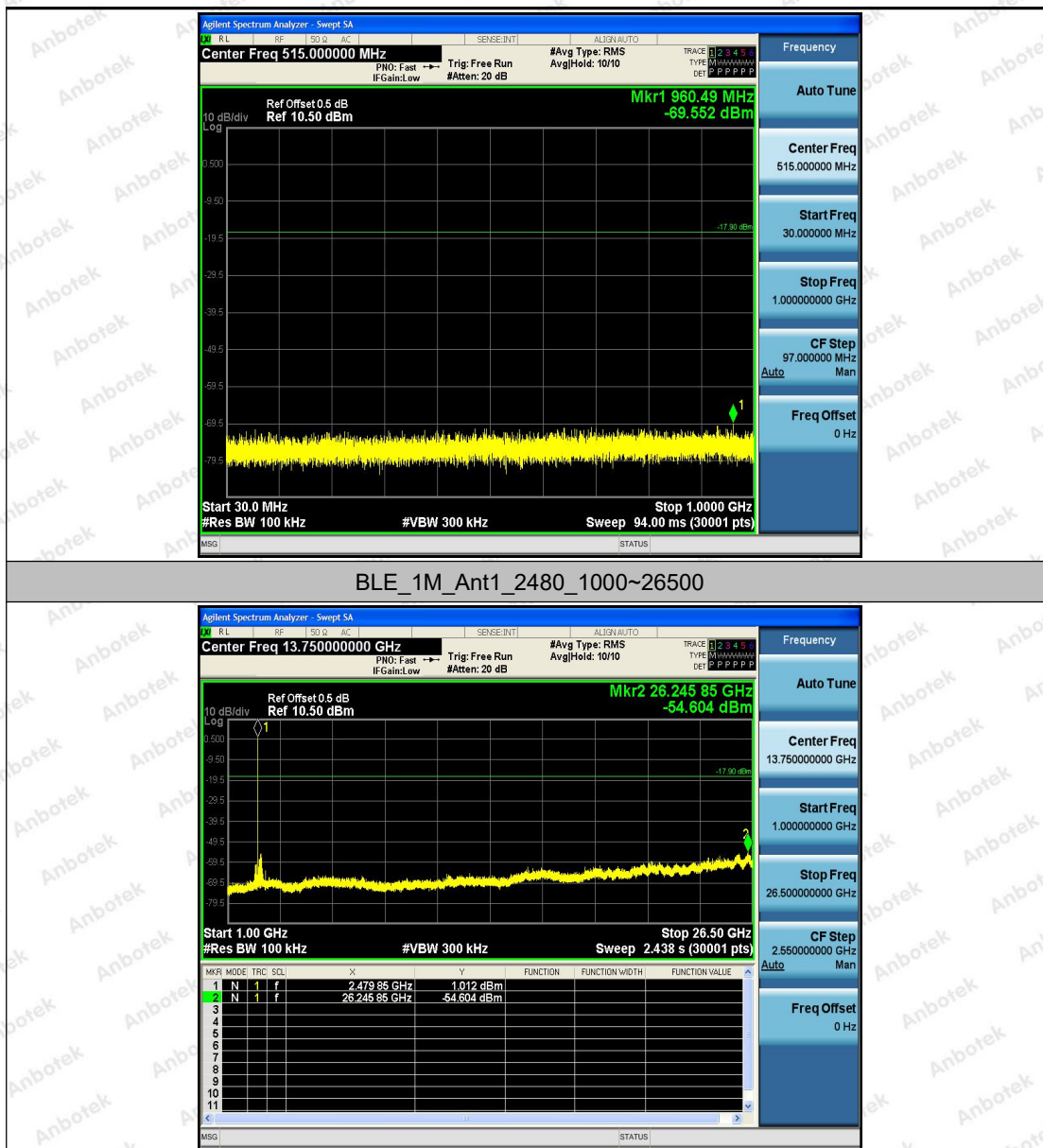
BLE_1M_Ant1_2480_30~1000

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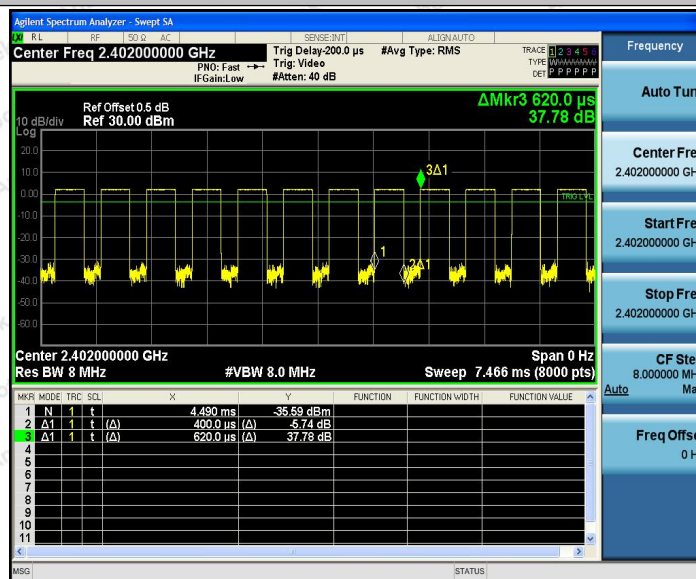
Appendix G: Duty Cycle

Test Result

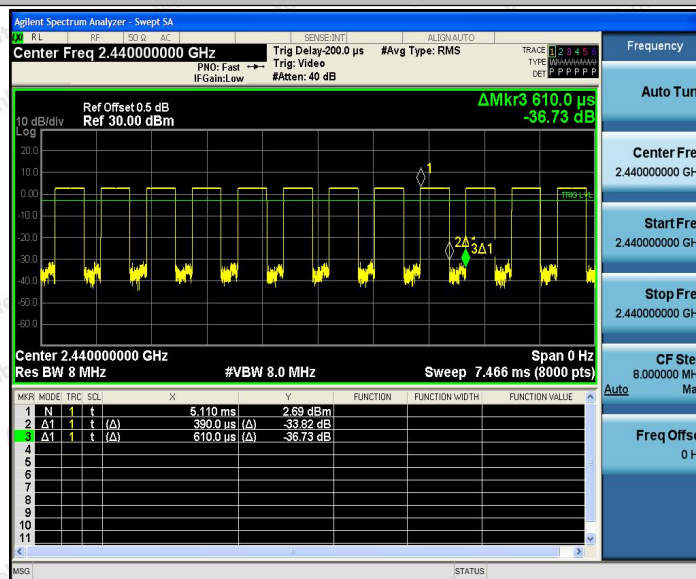
TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.40	0.62	0.645 2	64.52	1.90	---	PASS
		2440	0.39	0.61	0.639 3	63.93	1.94	---	PASS
		2480	0.39	0.61	0.639 3	63.93	1.94	---	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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