

Appendix Test Data

Project No.:	18220WC10196901	Test Date:	2021.9.3
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	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	0.644	2401.724	2402.368	≥0.5	PASS
		2440	0.640	2439.748	2440.388	≥0.5	PASS
		2480	0.616	2479.764	2480.380	≥0.5	PASS

Test Graphs



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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	1.0923	2401.518	2402.611	---	PASS
		2440	1.0955	2439.519	2440.615	---	PASS
		2480	1.0953	2479.520	2480.615	---	PASS

Test Graphs



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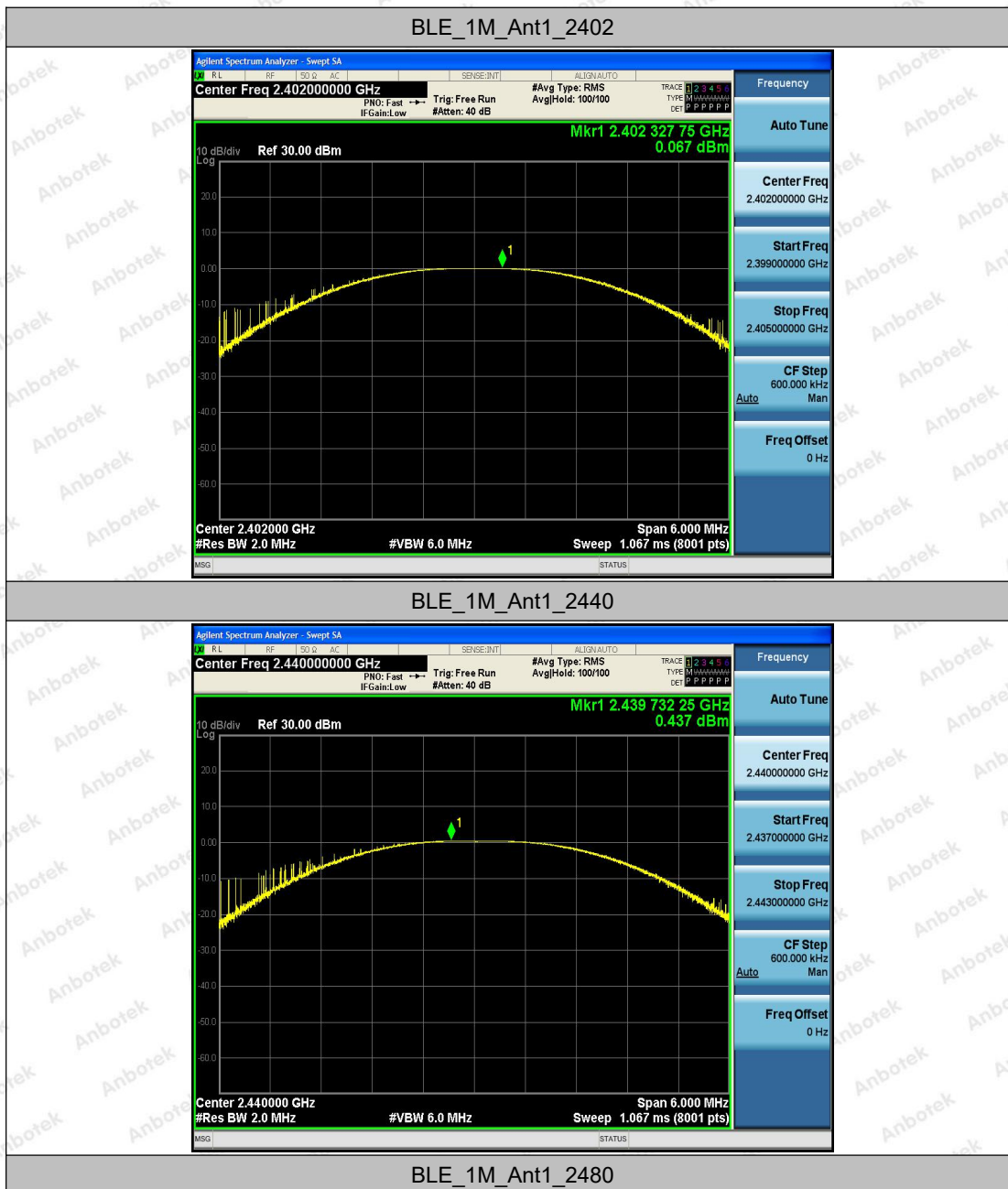
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.07	≤30	PASS
		2440	0.44	≤30	PASS
		2480	-1.06	≤30	PASS

Test Graphs

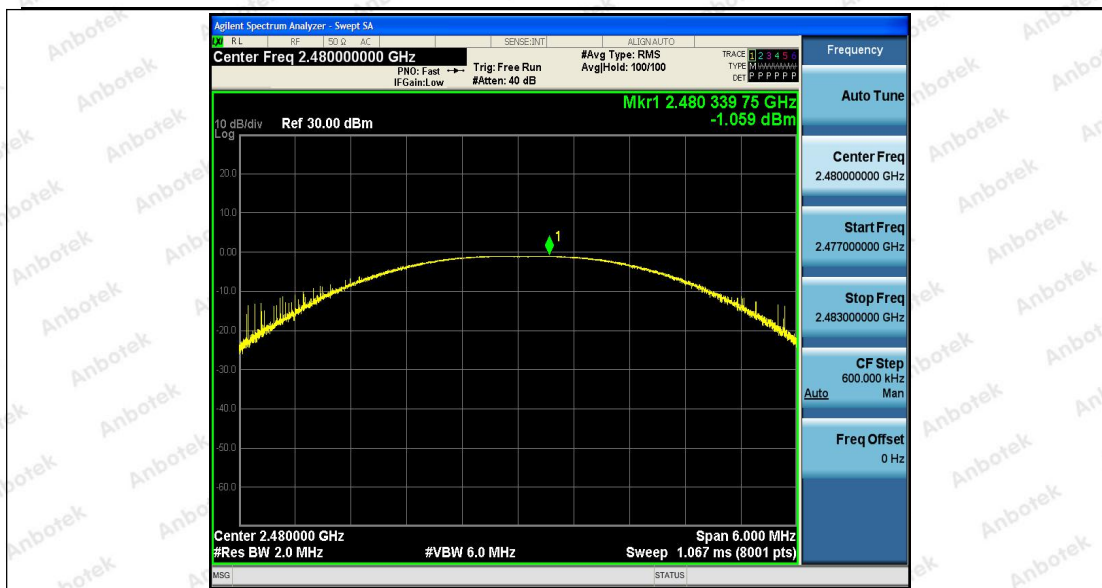


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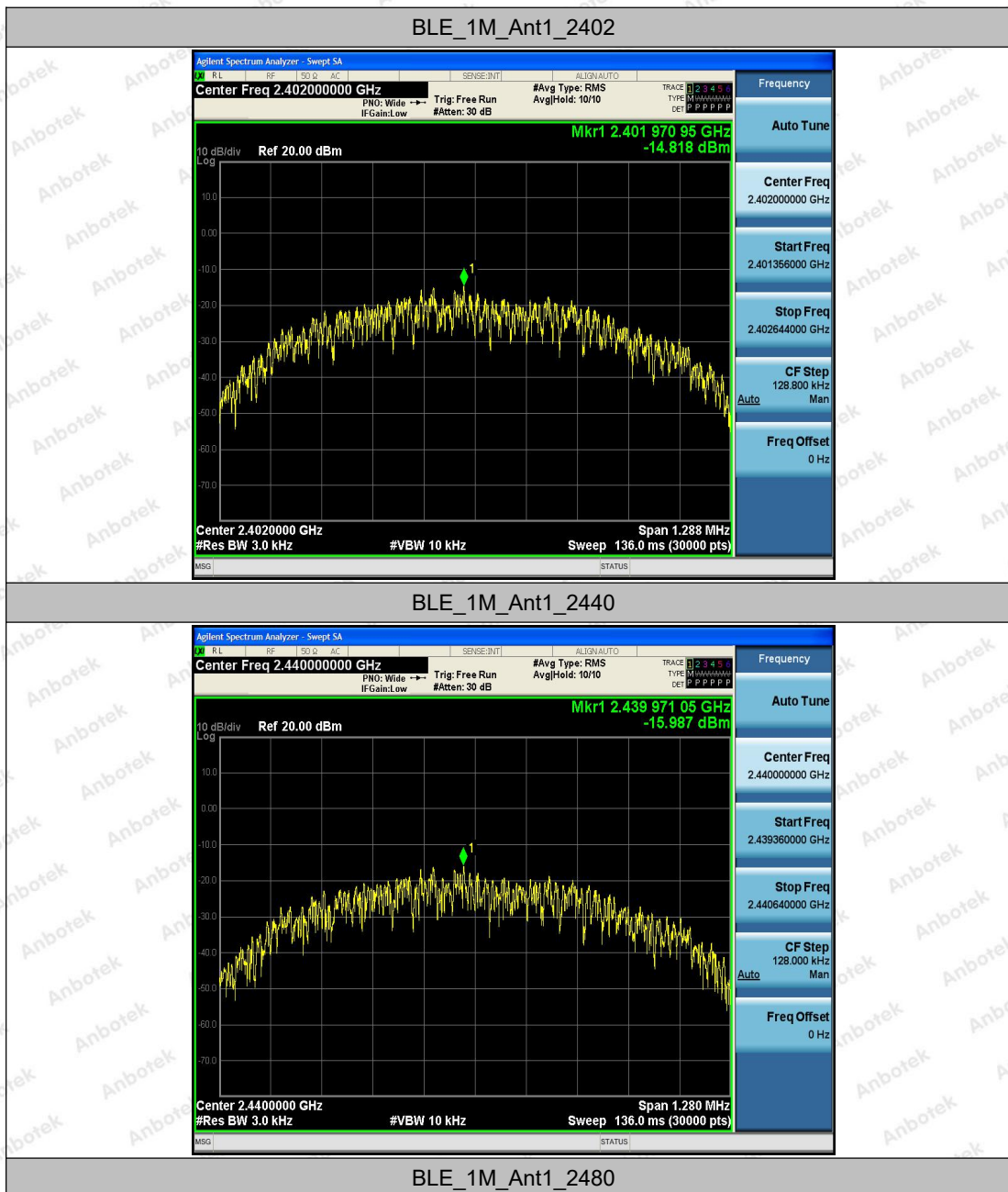
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.82	≤8	PASS
		2440	-15.99	≤8	PASS
		2480	-13.49	≤8	PASS

Test Graphs

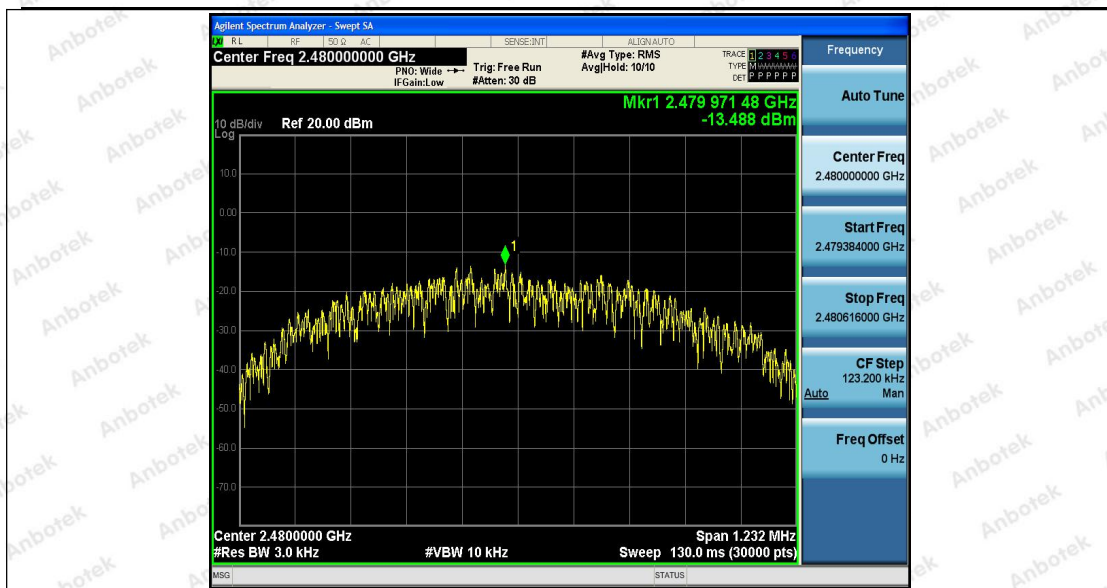


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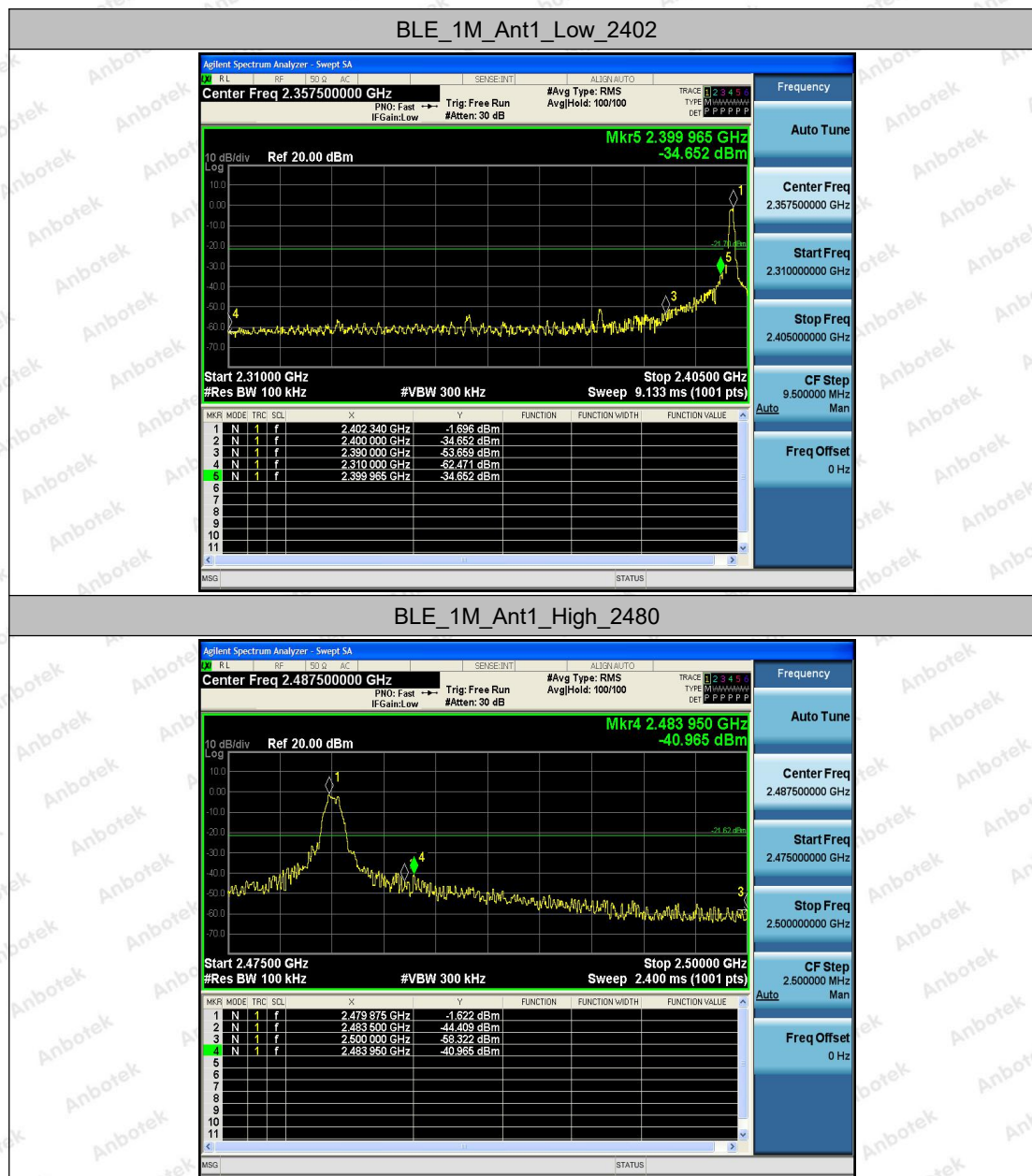
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.70	-34.65	≤ -21.7	PASS
		High	2480	-1.62	-40.97	≤ -21.62	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

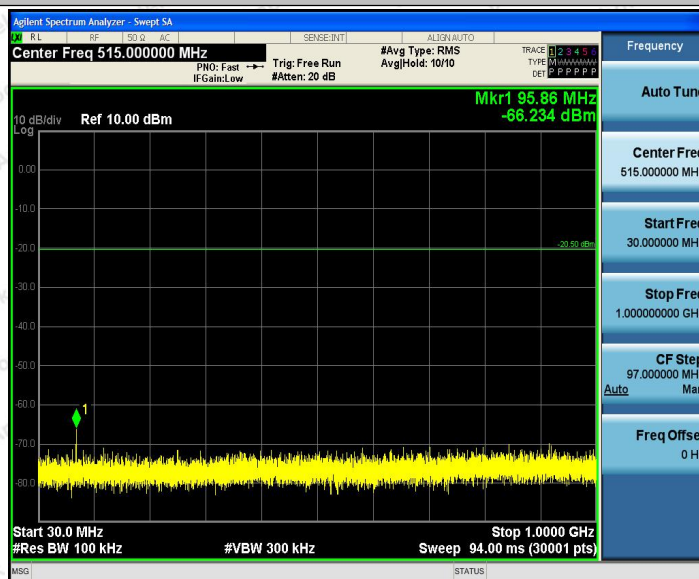
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-0.50	-0.50	---	PASS
			30~1000	-0.50	-66.23	≤-20.5	PASS
			1000~265 00	-0.50	-41.61	≤-20.5	PASS
		2440	Reference	0.16	0.16	---	PASS
			30~1000	0.16	-67.35	≤-19.84	PASS
			1000~265 00	0.16	-42.32	≤-19.84	PASS
		2480	Reference	-1.88	-1.88	---	PASS
			30~1000	-1.88	-67.76	≤-21.88	PASS
			1000~265 00	-1.88	-42.55	≤-21.88	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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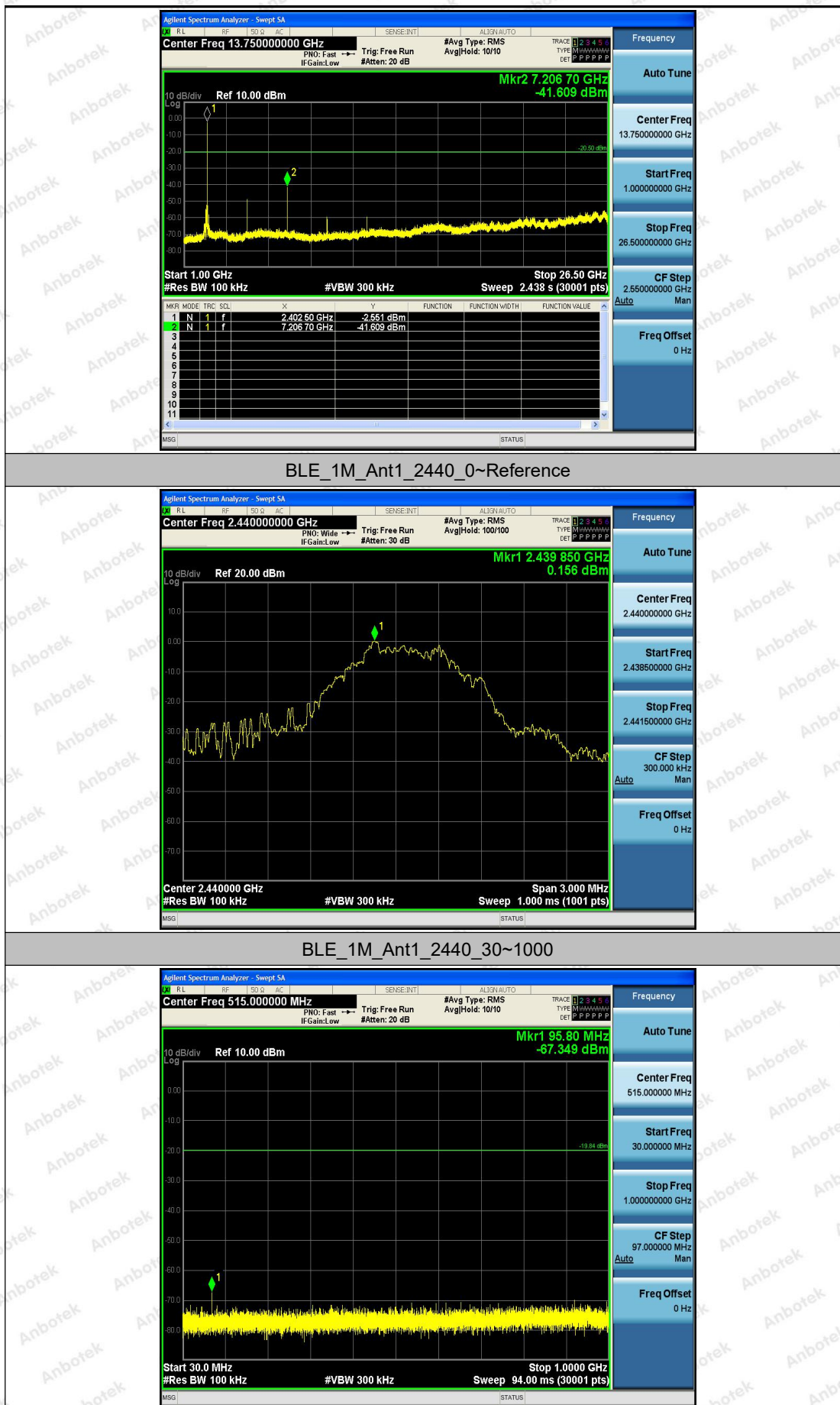
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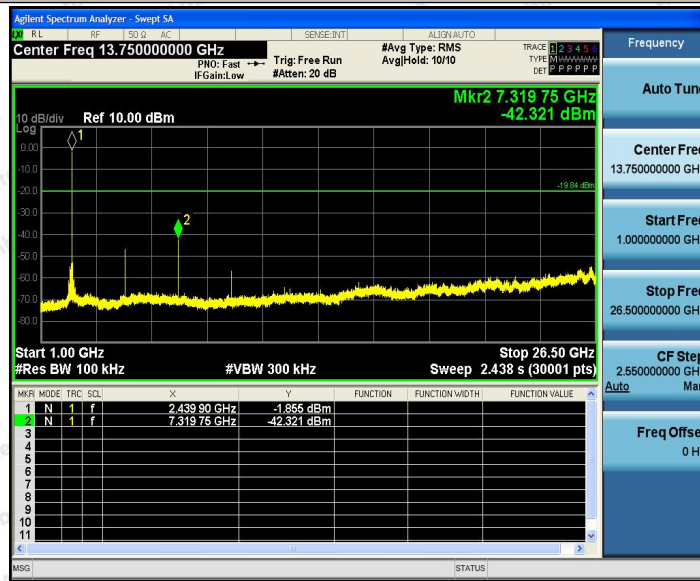
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



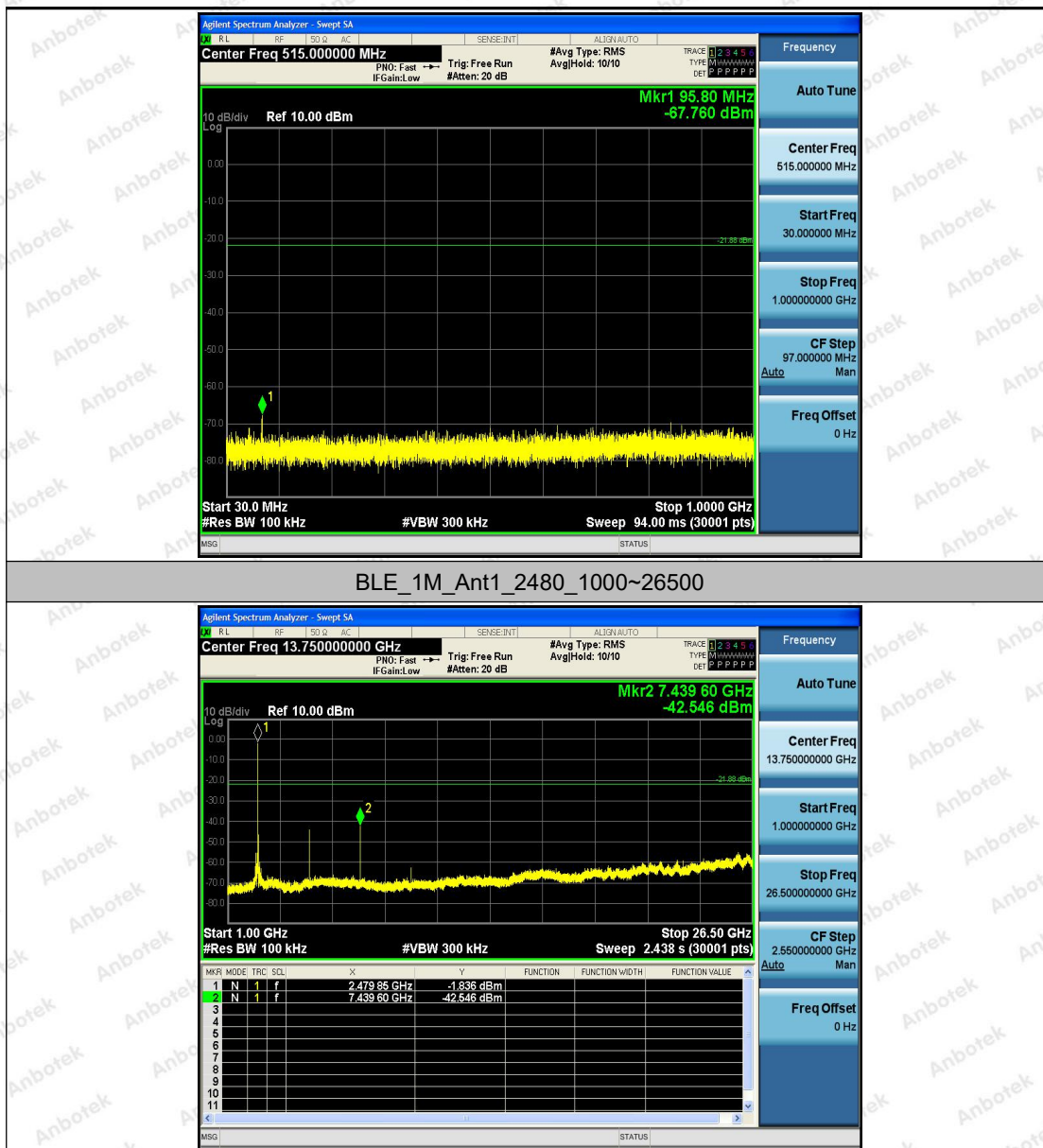
BLE_1M_Ant1_2480_30~1000

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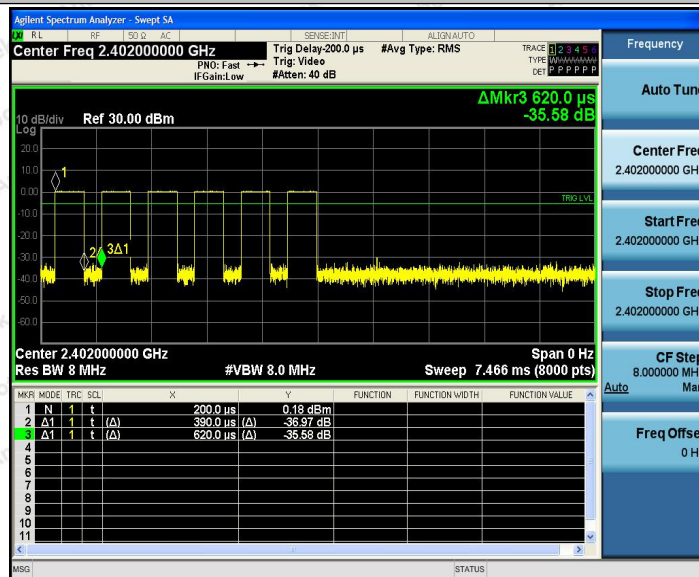
Appendix G: Duty Cycle

Test Result

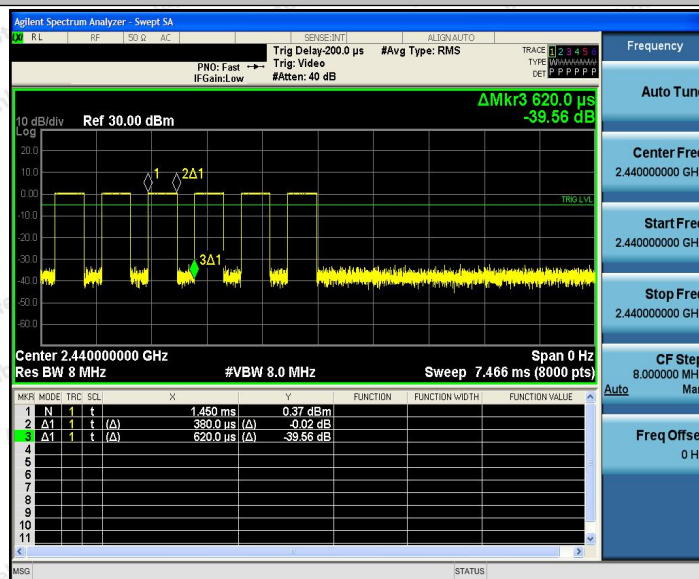
TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.39	0.62	0.629 0	62.90	2.01	---	PASS
		2440	0.38	0.62	0.612 9	61.29	2.13	---	PASS
		2480	0.39	0.62	0.629 0	62.90	2.01	---	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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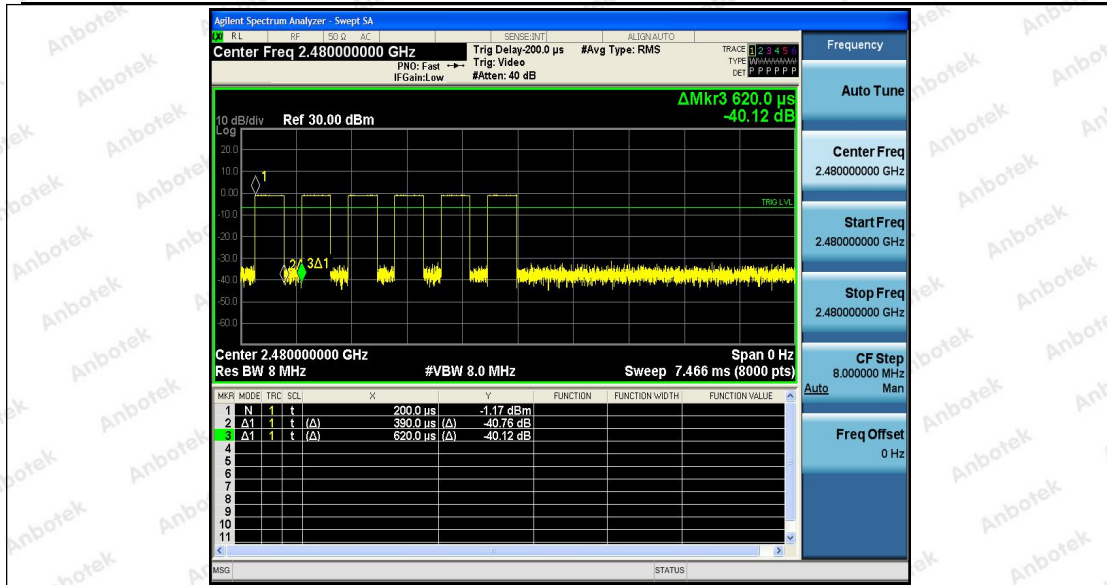
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