

Appendix Test Data

Report No.:	18220WC10217801	Test Date:	2021.9.29
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3C°	Relative Humidity:	57 %
Pressure:	1012 hPa		

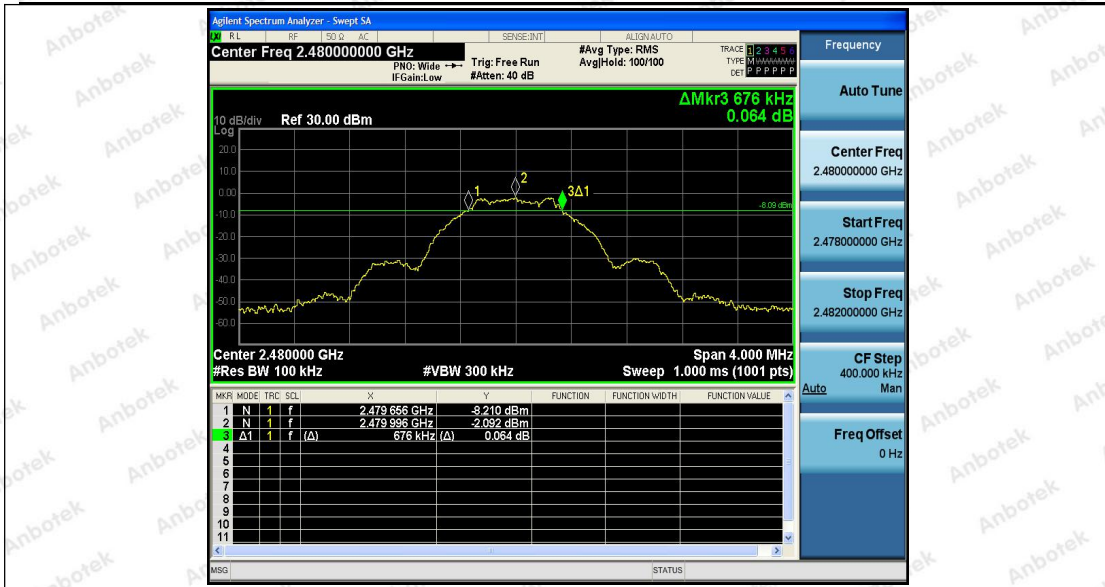
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.684	2401.652	2402.336	≥0.5	PASS
		2440	0.692	2439.652	2440.344	≥0.5	PASS
		2480	0.676	2479.656	2480.332	≥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	1.0335	2401.491	2402.524	---	PASS
		2440	1.0234	2439.493	2440.516	---	PASS
		2480	1.0290	2479.493	2480.522	---	PASS

Test Graphs





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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-1.16	≤30	PASS
		2440	-0.49	≤30	PASS
		2480	-1.21	≤30	PASS

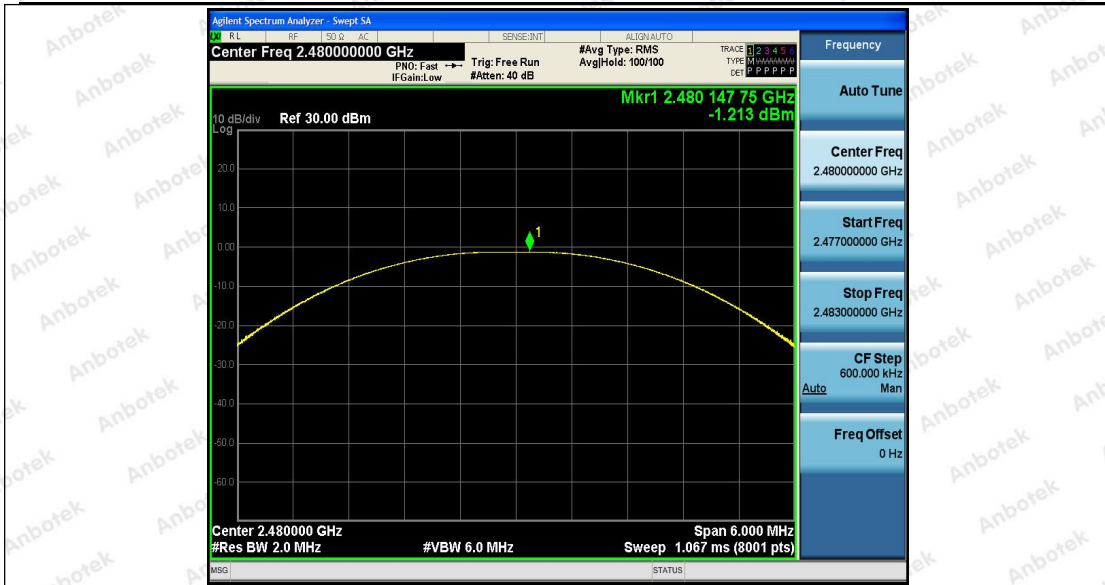
Test Graphs



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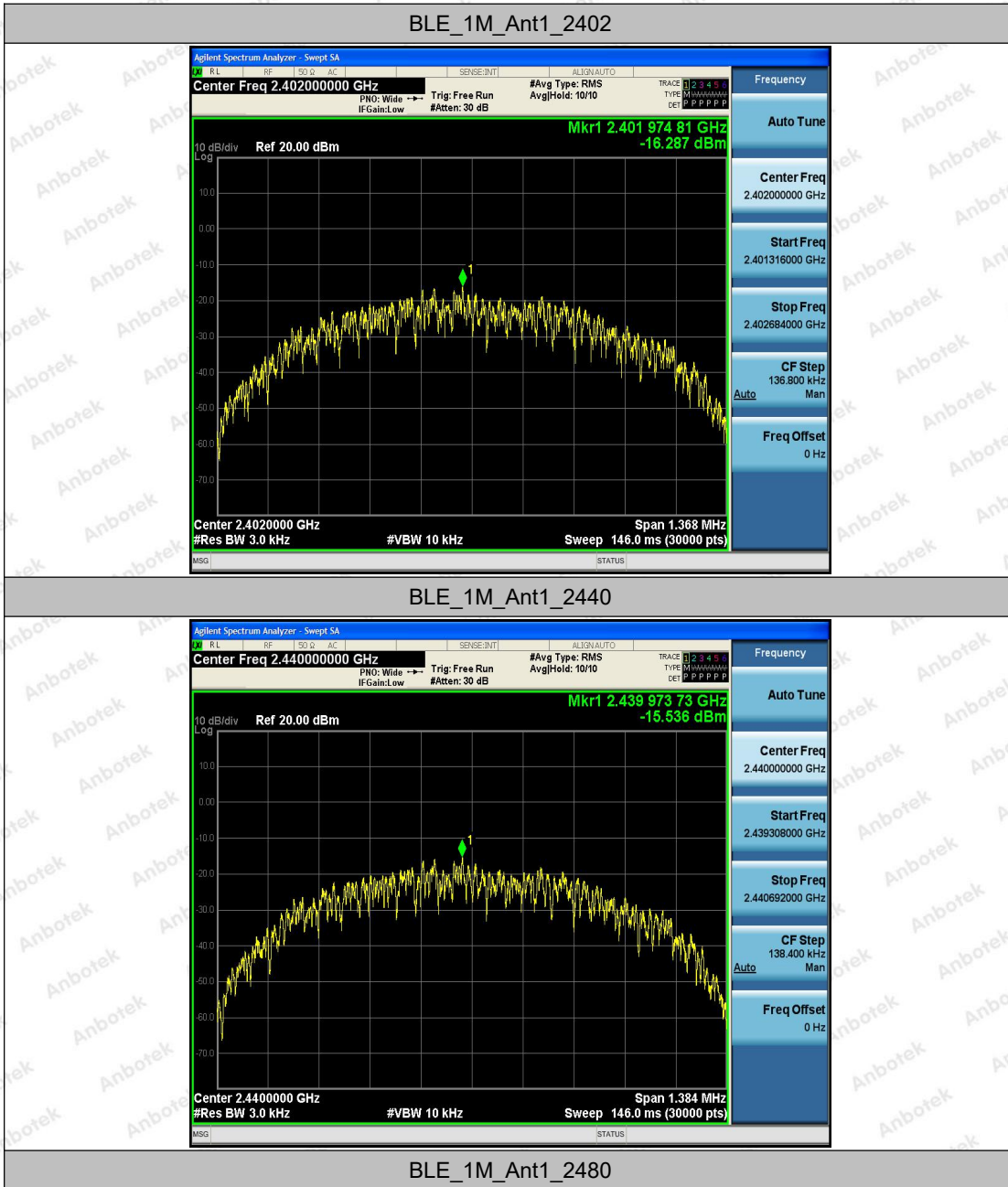
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-16.29	≤8	PASS
		2440	-15.54	≤8	PASS
		2480	-16.19	≤8	PASS

Test Graphs



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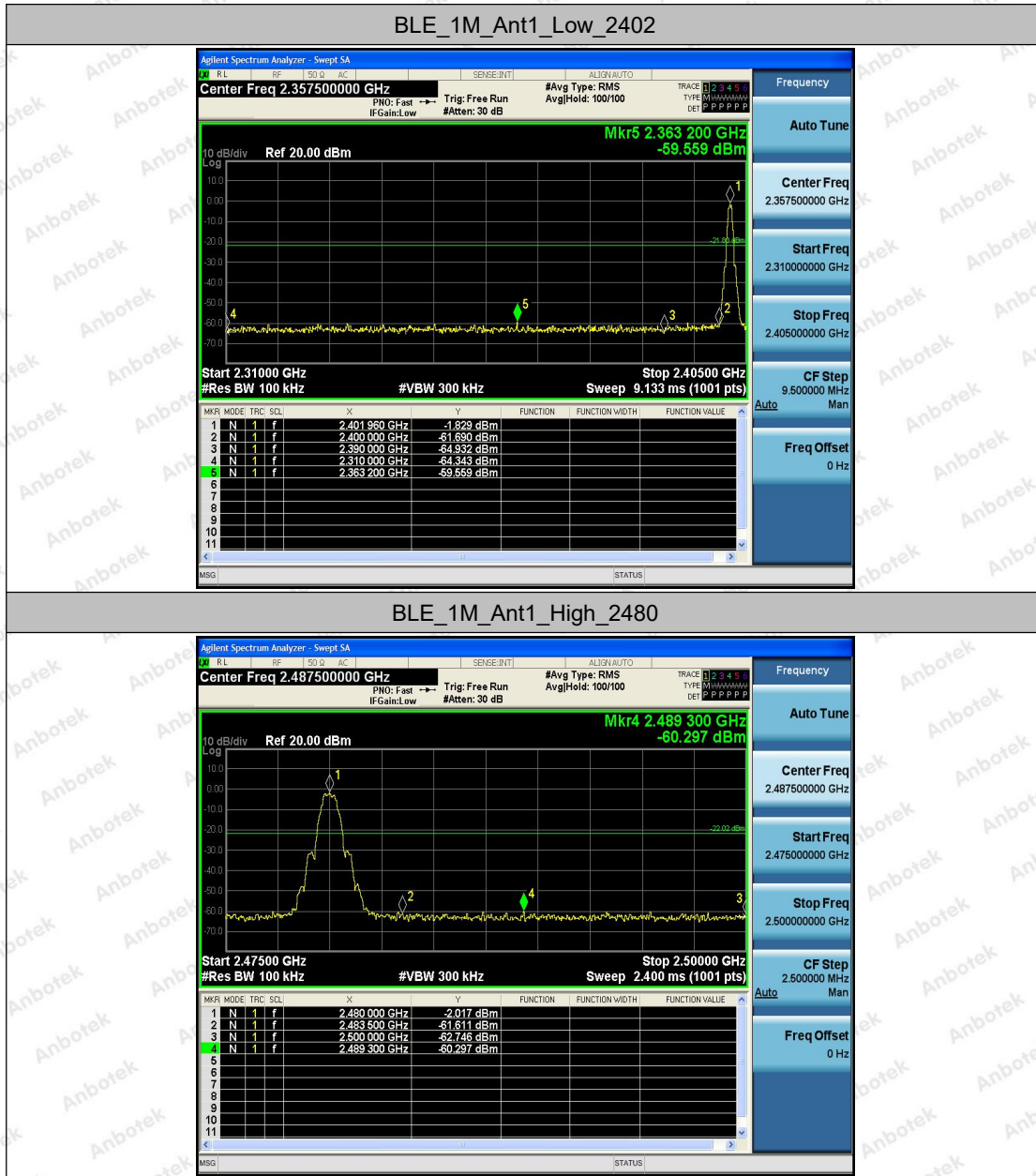
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.83	-59.56	≤-21.83	PASS
		High	2480	-2.02	-60.3	≤-22.02	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	-2.07	-2.07	---	PASS
			30~1000	-2.07	-69.41	≤-22.07	PASS
			1000~265 00	-2.07	-45.49	≤-22.07	PASS
		2440	Reference	-1.54	-1.54	---	PASS
			30~1000	-1.54	-64.95	≤-21.54	PASS
			1000~265 00	-1.54	-49.76	≤-21.54	PASS
		2480	Reference	-2.05	-2.05	---	PASS
			30~1000	-2.05	-70.45	≤-22.05	PASS
			1000~265 00	-2.05	-48.89	≤-22.05	PASS

Test Graphs

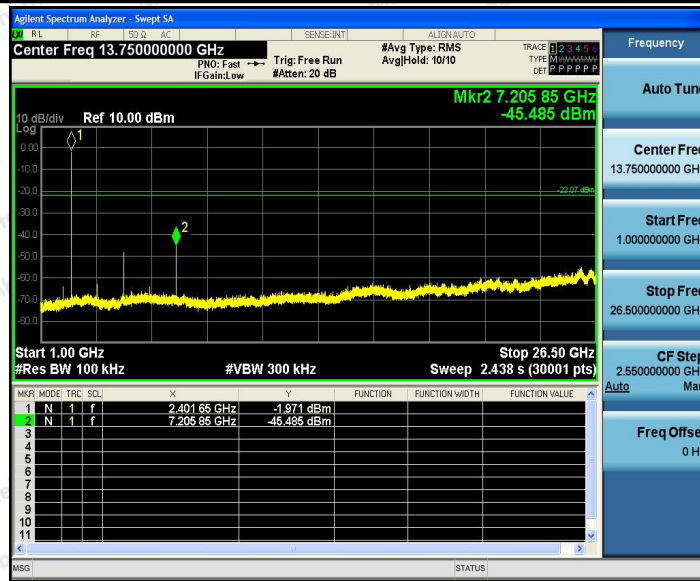


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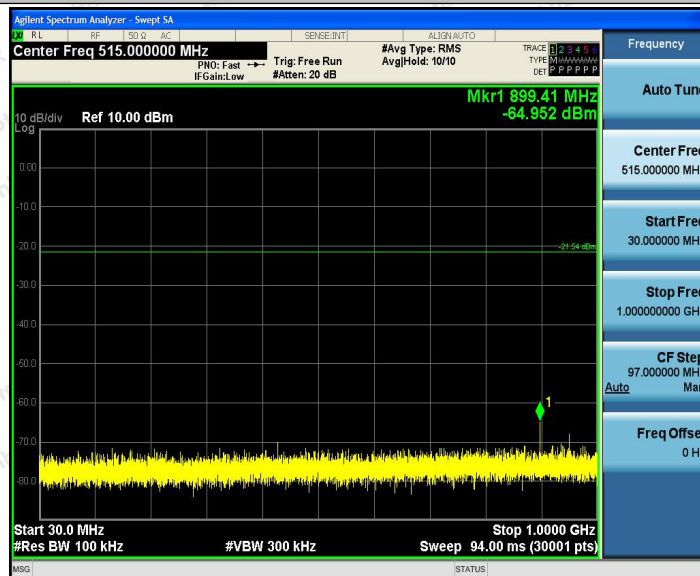
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000

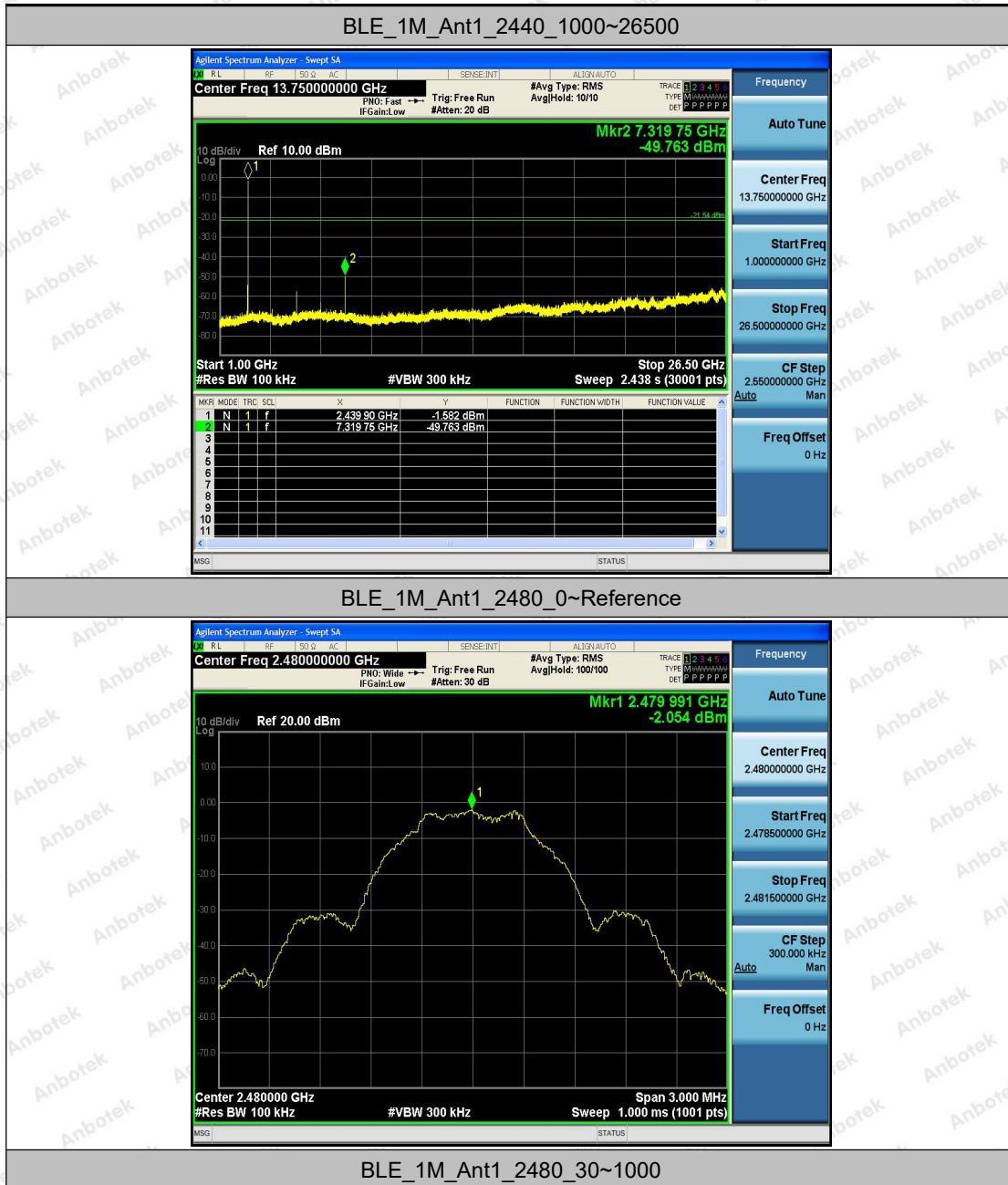


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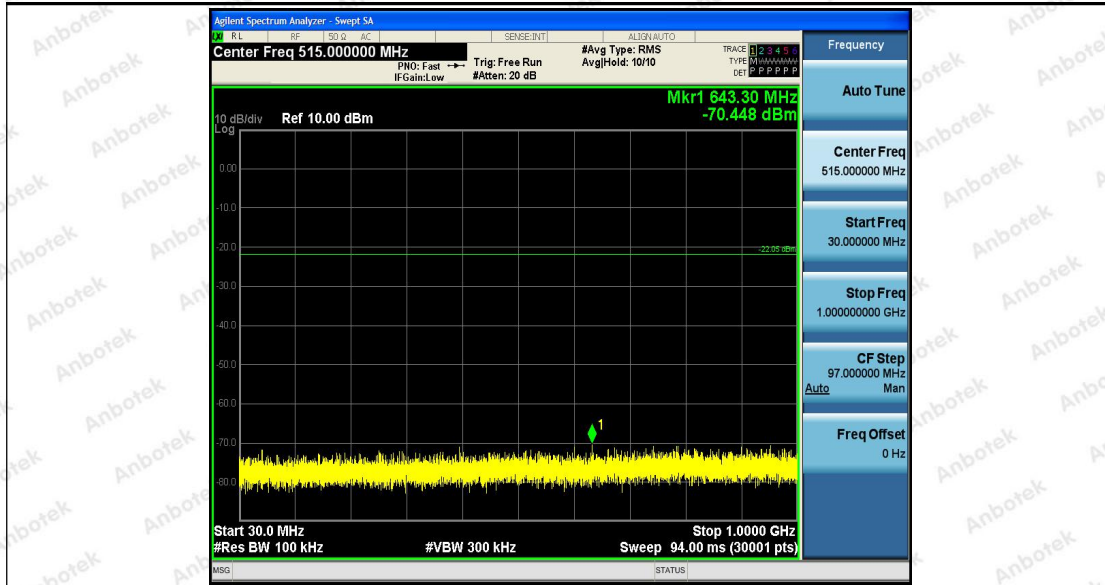
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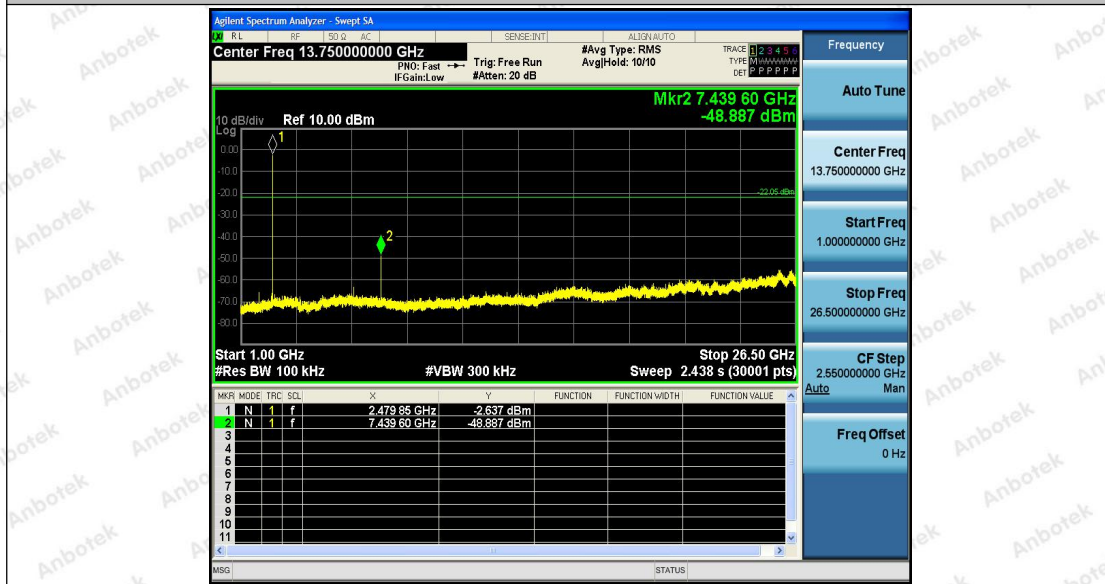
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BLE_1M_Ant1_2480_1000~26500



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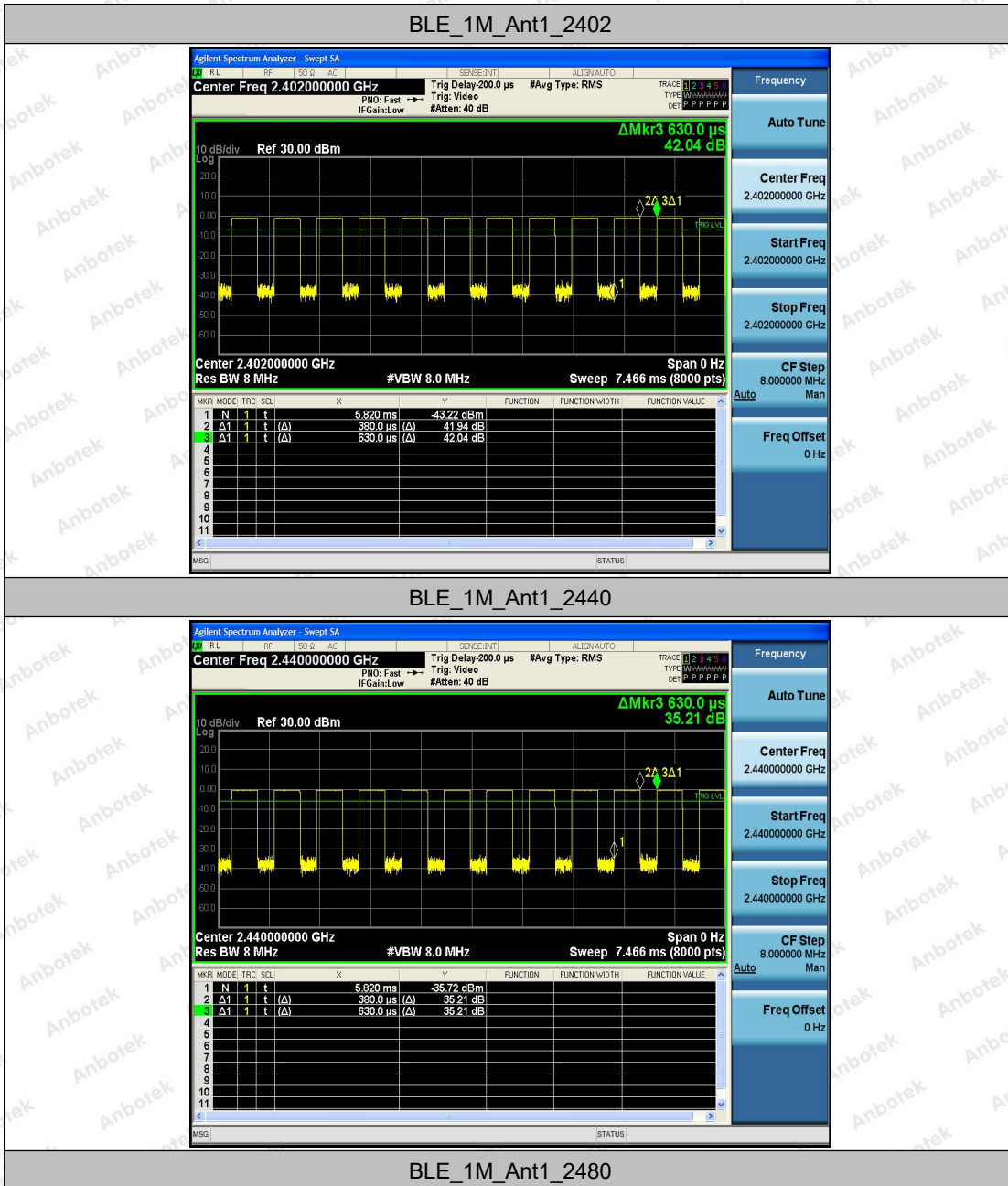
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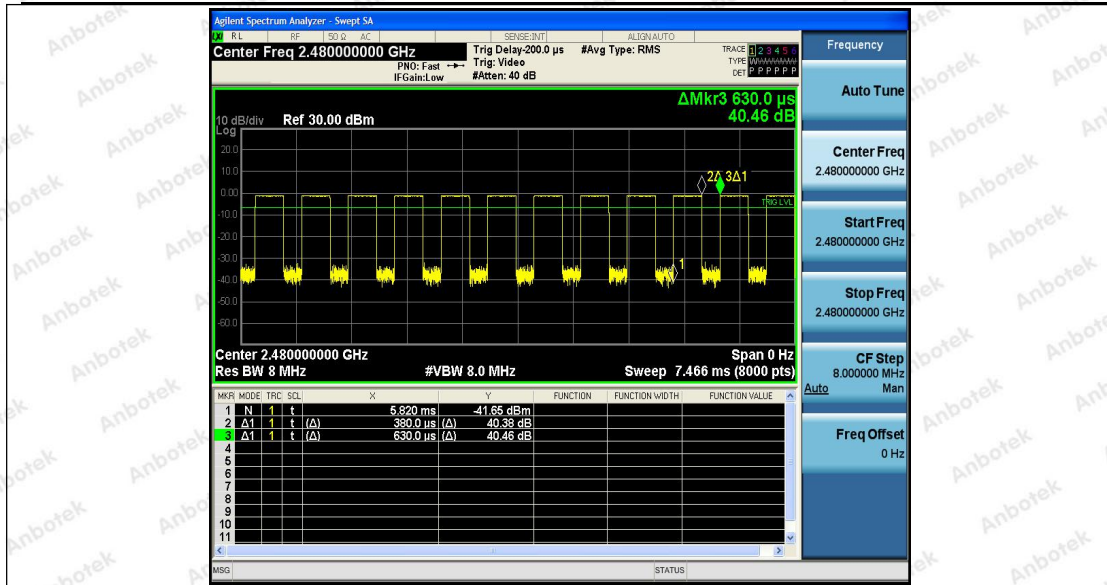
Appendix G: Duty Cycle

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	0.63	0.603 2	60.32	2.20	---	PASS
		2480	0.38	0.63	0.603 2	60.32	2.20	---	PASS

Test Graphs





---End---