

Appendix Test Data

Report No.:	18220WC20120201	Test Sample No.:	1-2-2
Start Test Date:	2022.6.8	Finish Test Date:	2022.6.14
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	22.6°C	Relative Humidity:	54.2 %
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	0.728	2401.608	2402.336	≥0.5	PASS
		2440	0.712	2439.620	2440.332	≥0.5	PASS
		2480	0.708	2479.620	2480.328	≥0.5	PASS

Test Graphs





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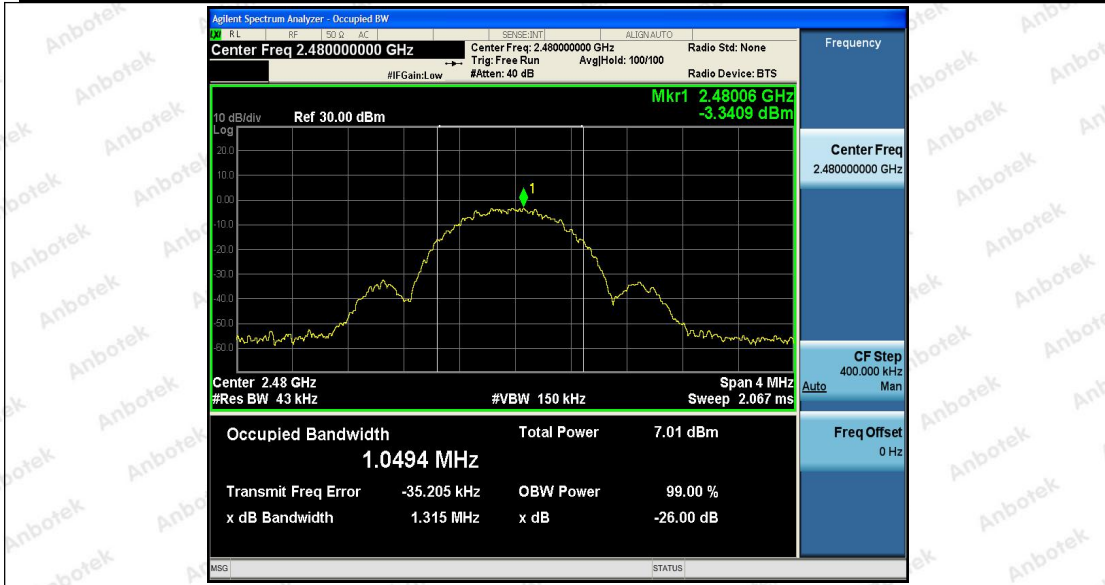
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0268	2401.458	2402.485	---	PASS
		2440	1.0332	2439.454	2440.487	---	PASS
		2480	1.0494	2479.440	2480.489	---	PASS

Test Graphs





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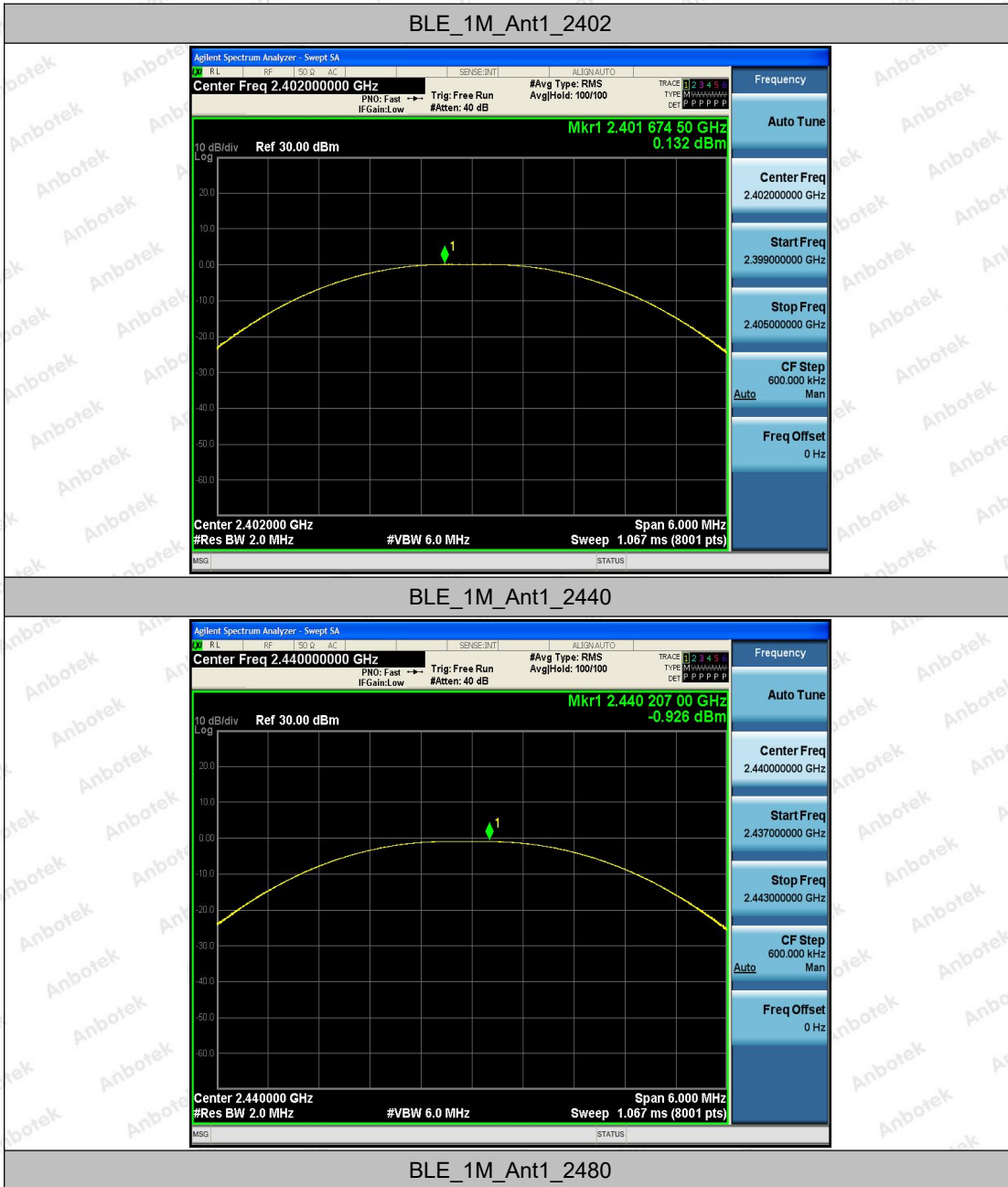
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0.13	≤30	PASS
		2440	-0.93	≤30	PASS
		2480	0.05	≤30	PASS

Test Graphs

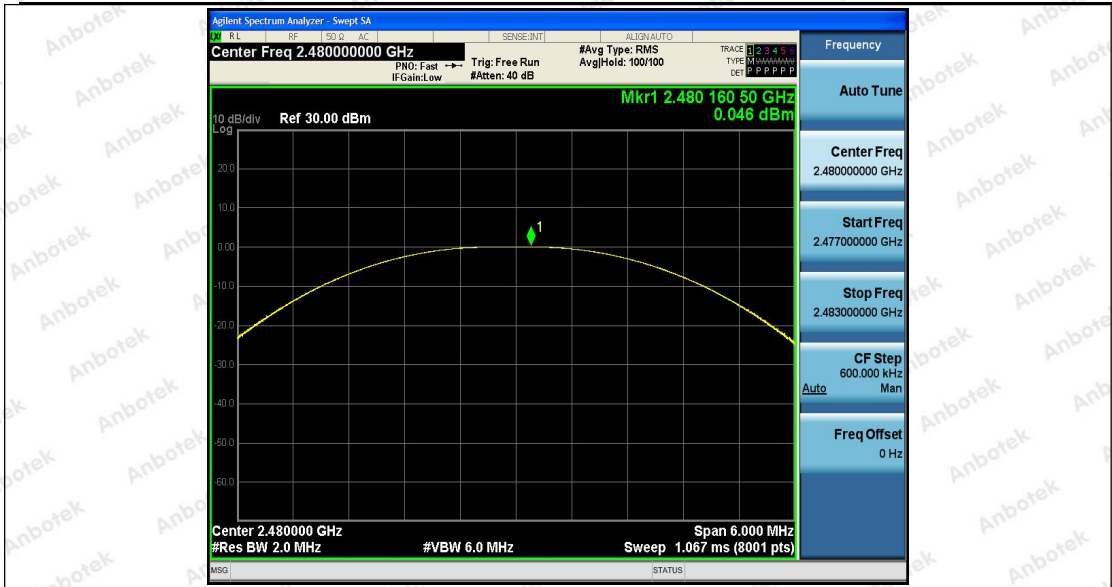


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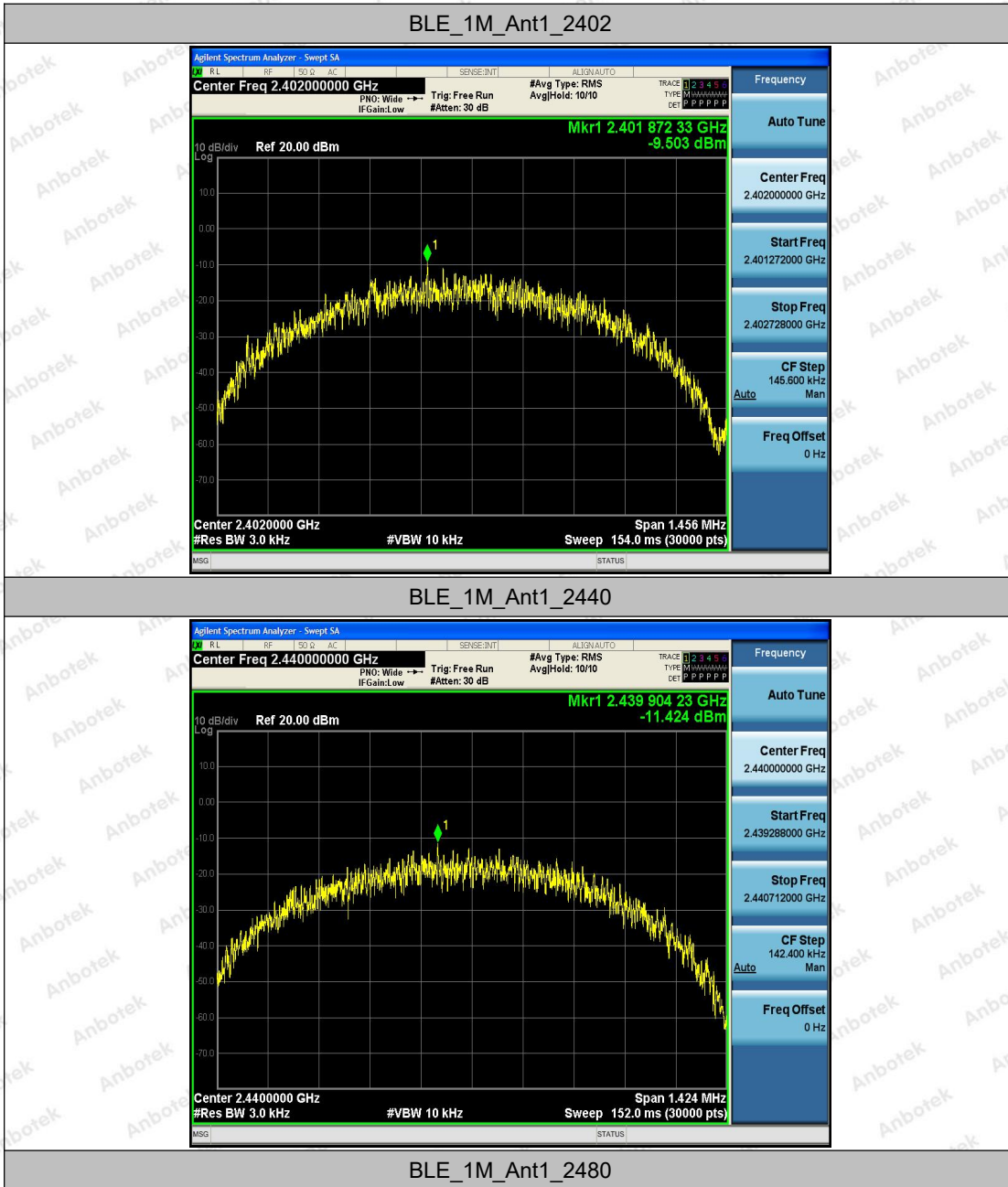
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-9.5	≤8	PASS
		2440	-11.42	≤8	PASS
		2480	-12.7	≤8	PASS

Test Graphs

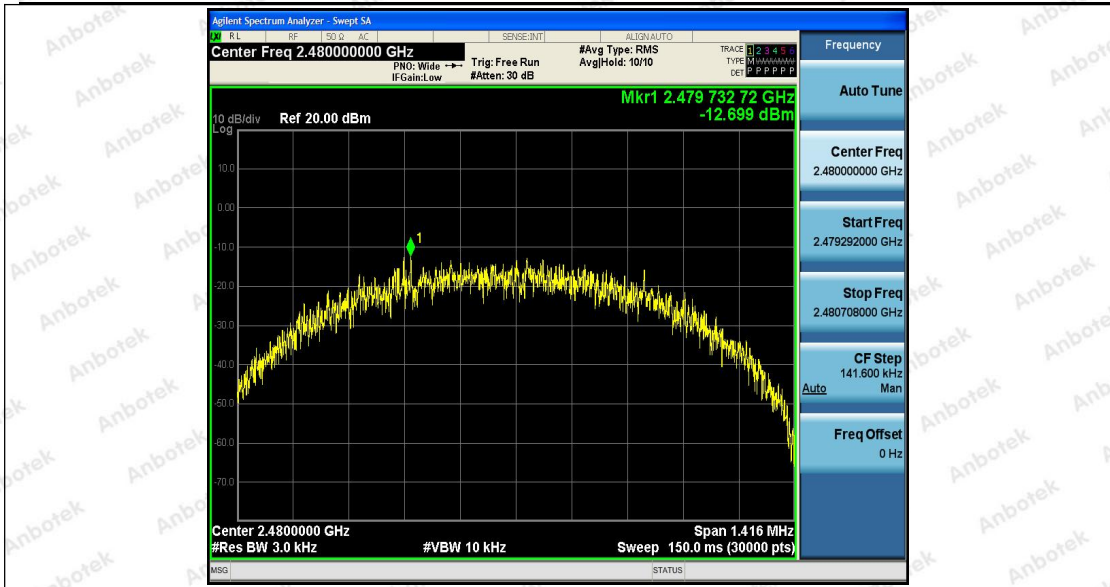


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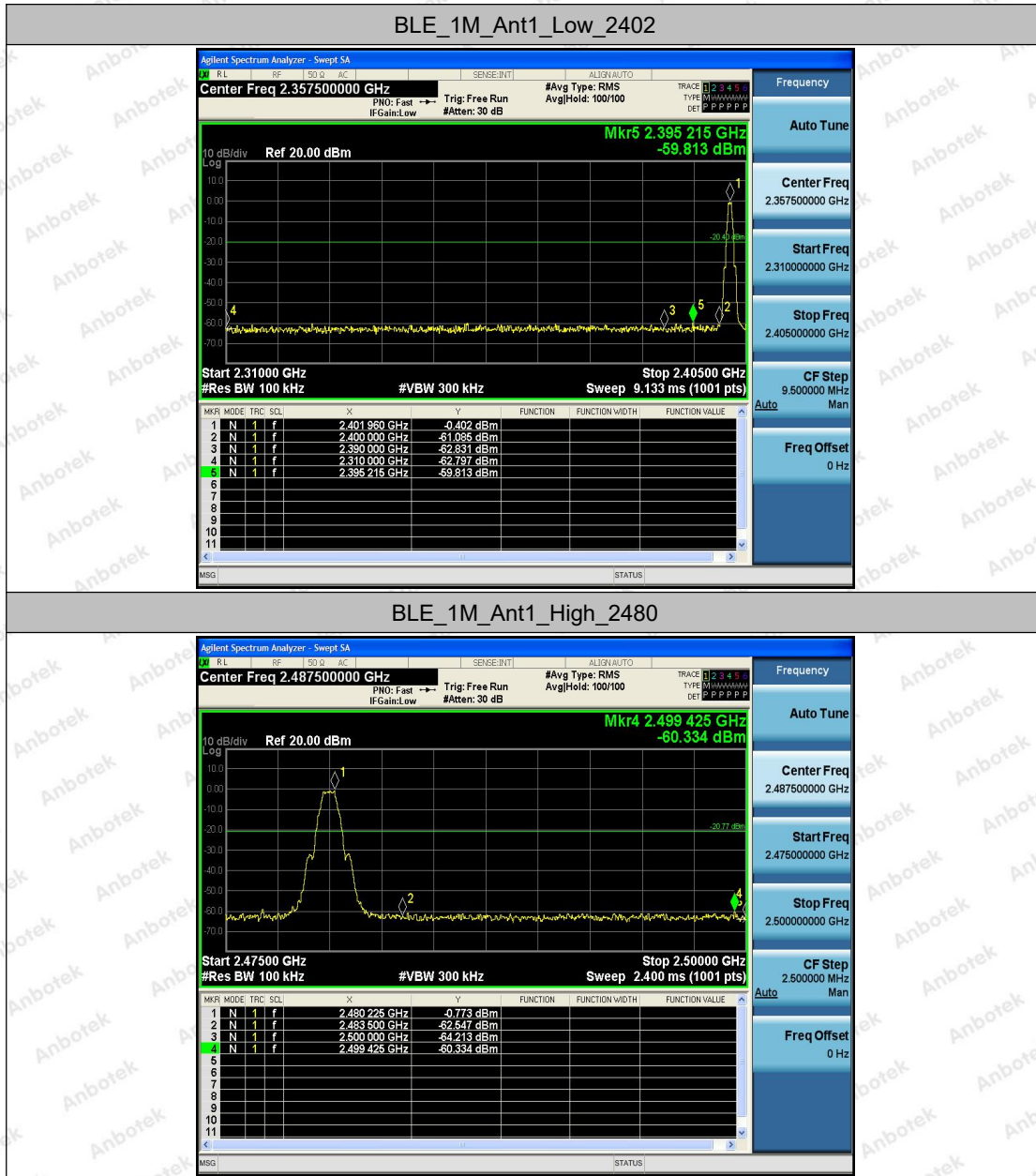
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.40	-59.81	≤-20.4	PASS
		High	2480	-0.77	-60.33	≤-20.77	PASS

Test Graphs



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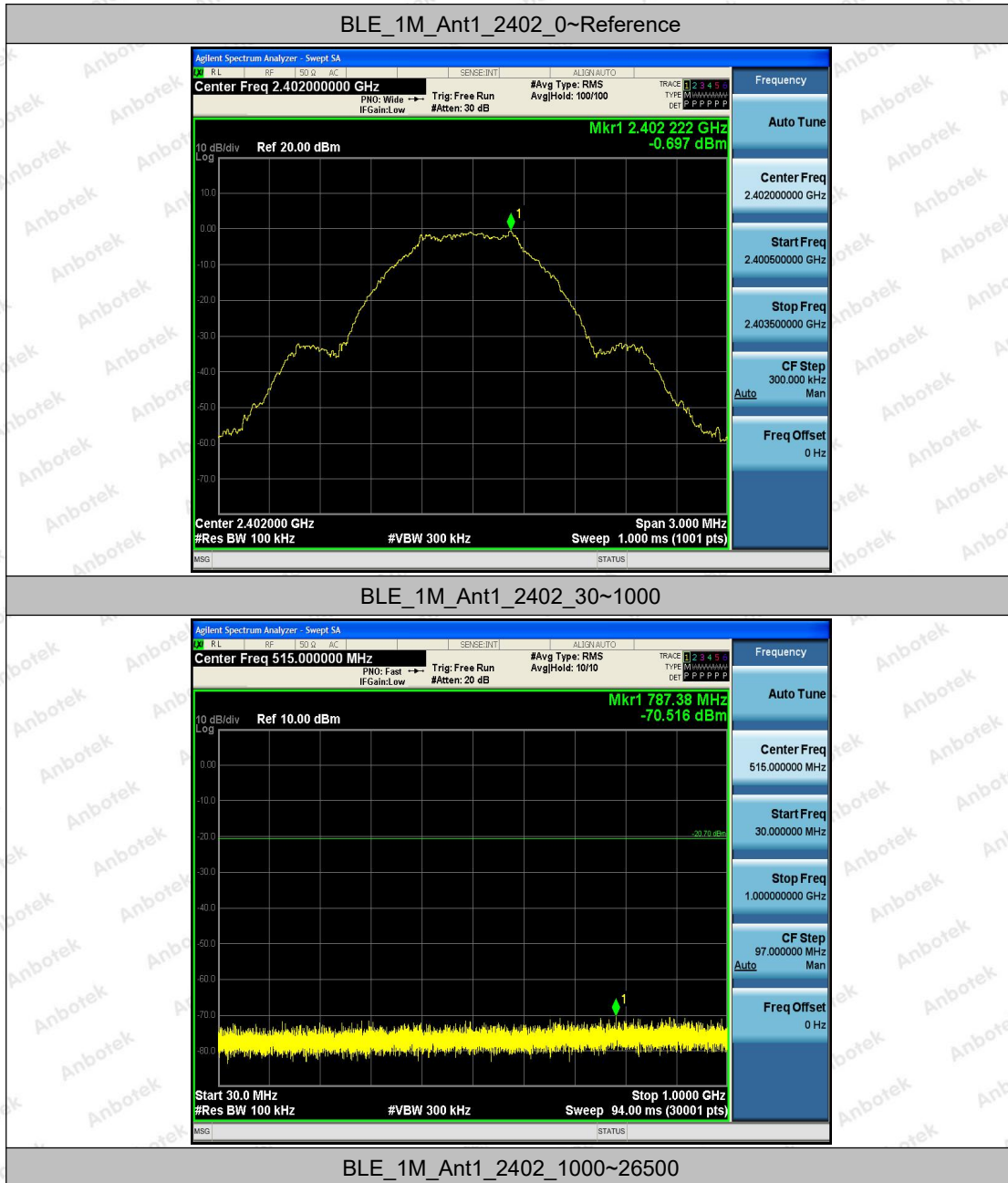
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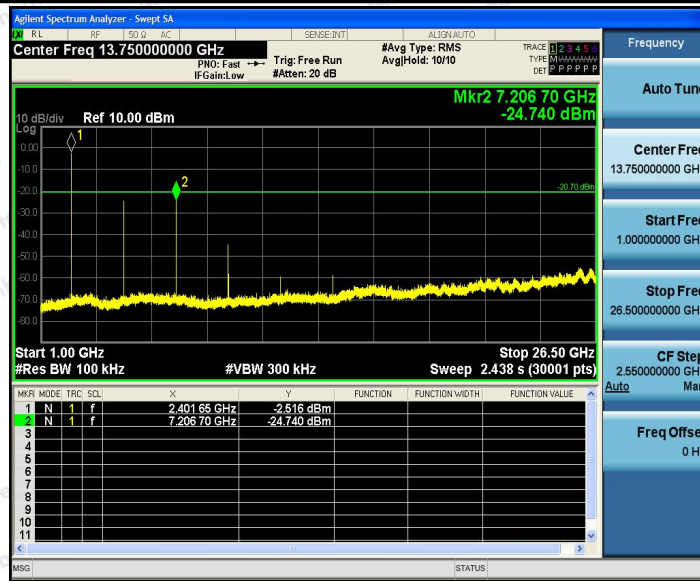
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-0.70	-0.70	---	PASS
			30~1000	-0.70	-70.52	≤-20.7	PASS
			1000~265 00	-0.70	-24.74	≤-20.7	PASS
		2440	Reference	-1.69	-1.69	---	PASS
			30~1000	-1.69	-70.05	≤-21.69	PASS
			1000~265 00	-1.69	-23.94	≤-21.69	PASS
		2480	Reference	-0.76	-0.76	---	PASS
			30~1000	-0.76	-69.26	≤-20.76	PASS
			1000~265 00	-0.76	-24.42	≤-20.76	PASS

Test Graphs

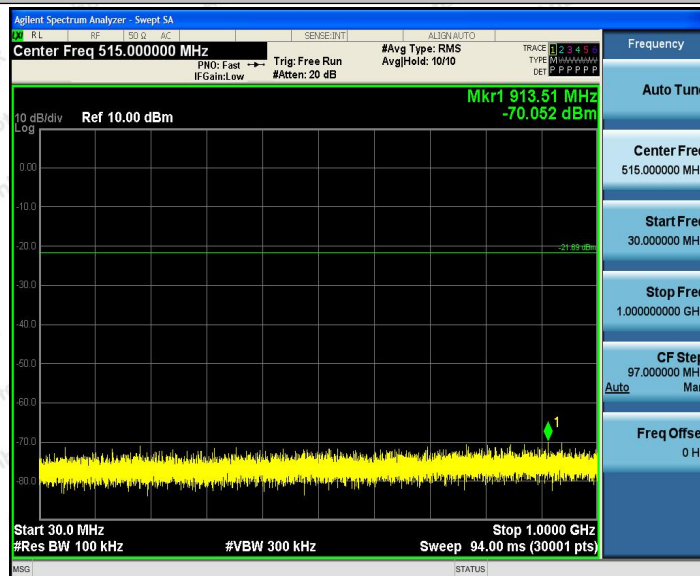




BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000

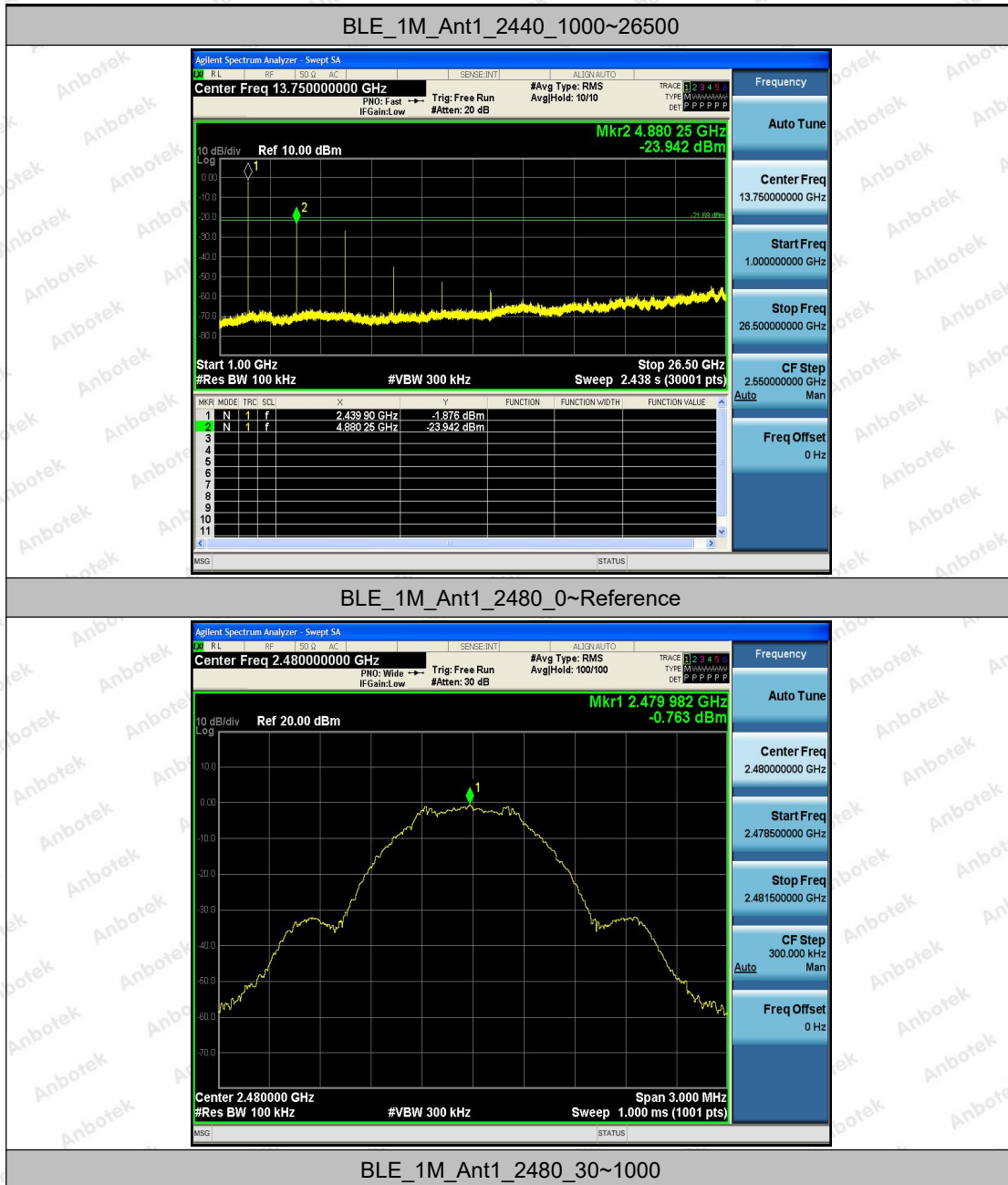


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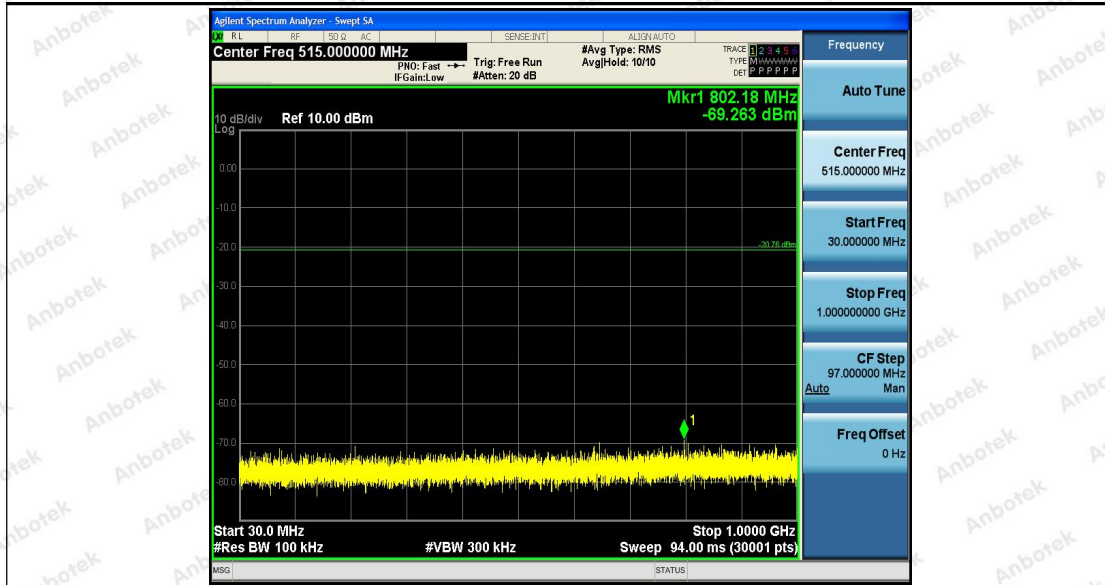


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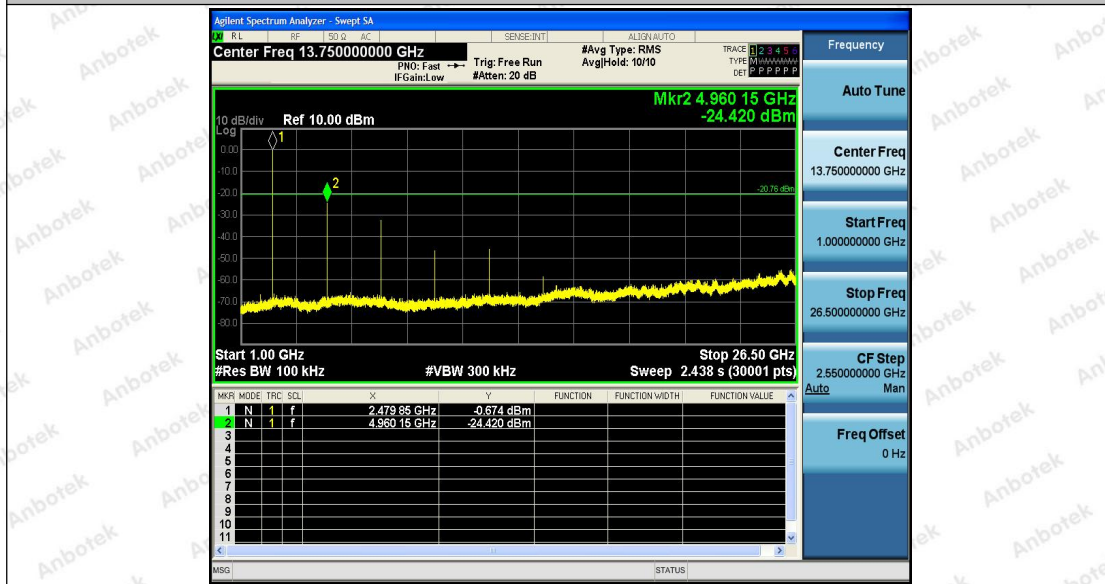
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BLE_1M_Ant1_2480_1000~26500



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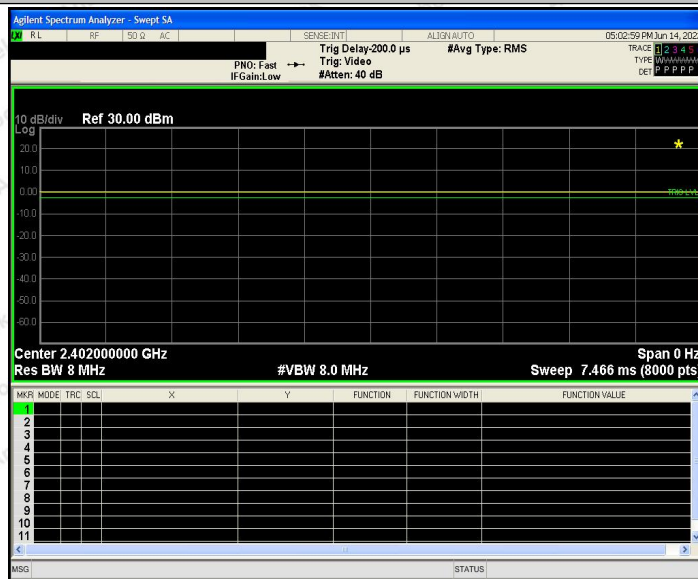
Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	7.466	7.466	1	100	0	---	PASS
		2440	7.466	7.466	1	100	0	---	PASS
		2480	7.466	7.466	1	100	0	---	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440

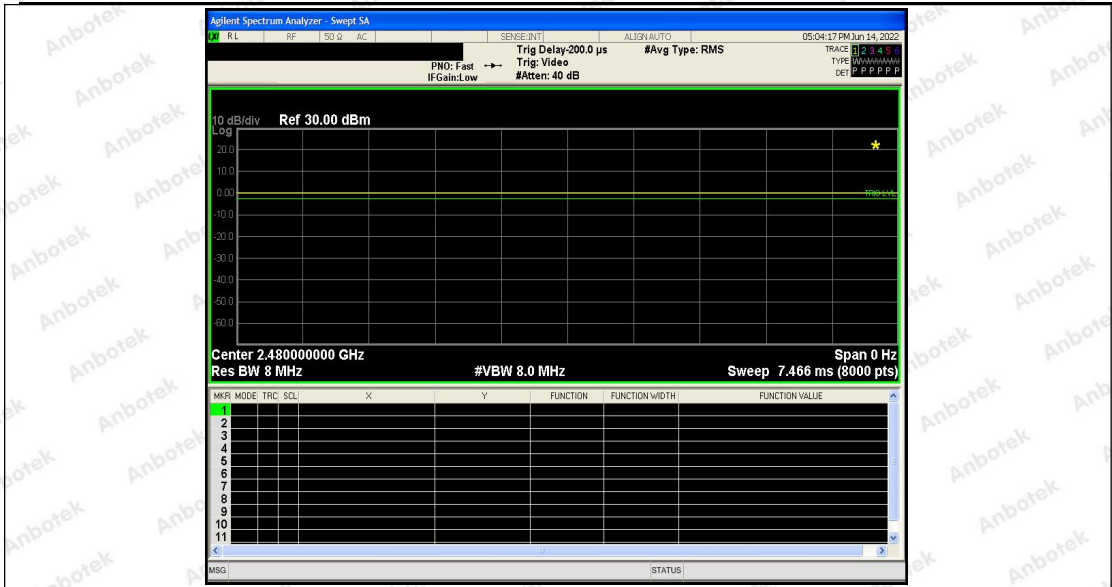


BLE_1M_Ant1_2480

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