

Appendix Test Data

Report No.:	18220WC20140302	Test Sample No.:	1-2-2
Start Test Date:	2022.7.4	Finish Test Date:	2022.7.7
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3C°	Relative Humidity:	57.2 %
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	0.704	2401.624	2402.328	≥0.5	PASS
		2440	0.696	2439.628	2440.324	≥0.5	PASS
		2480	0.692	2479.636	2480.328	≥0.5	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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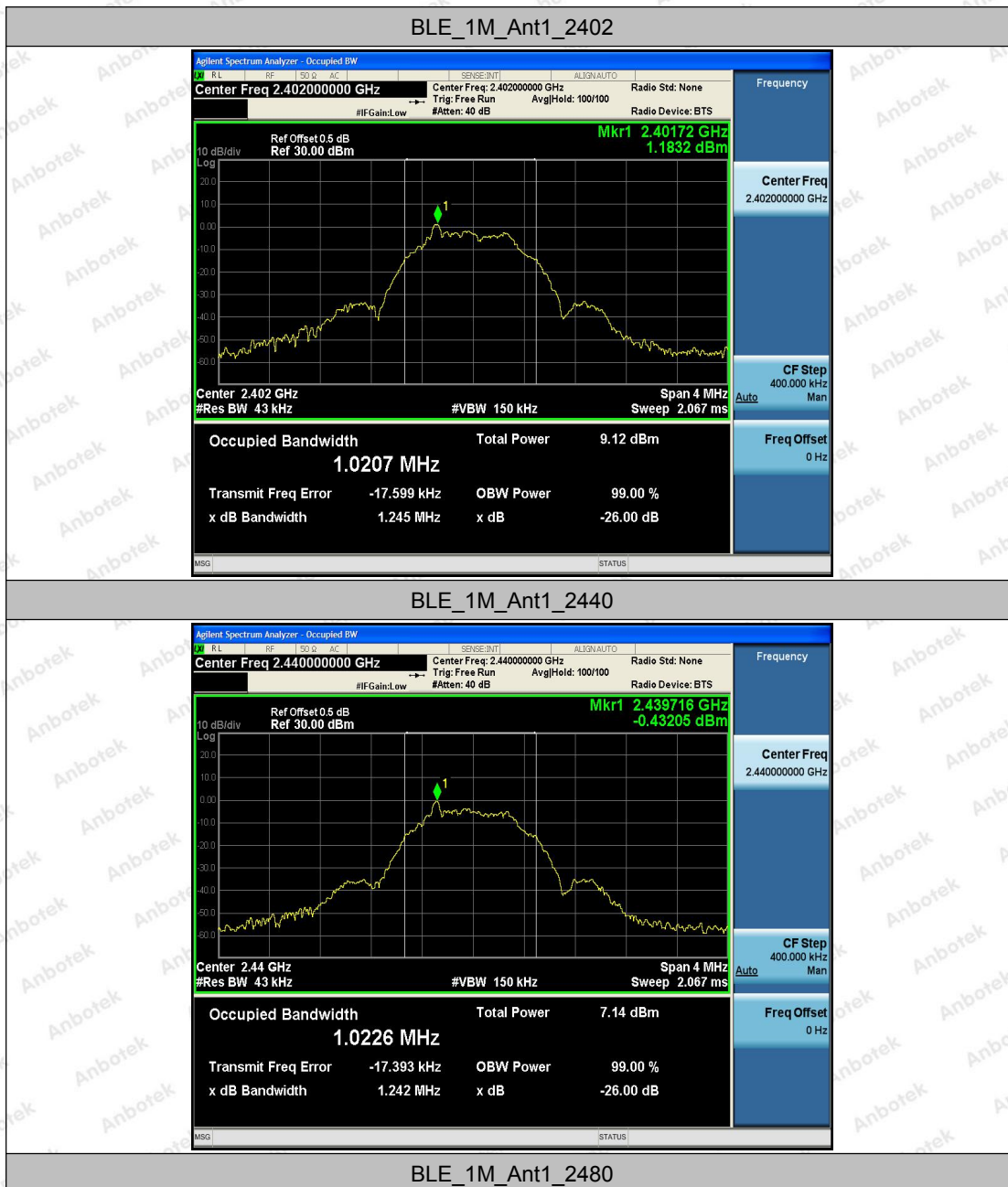
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0207	2401.472	2402.493	---	PASS
		2440	1.0226	2439.471	2440.494	---	PASS
		2480	1.0152	2479.476	2480.491	---	PASS

Test Graphs



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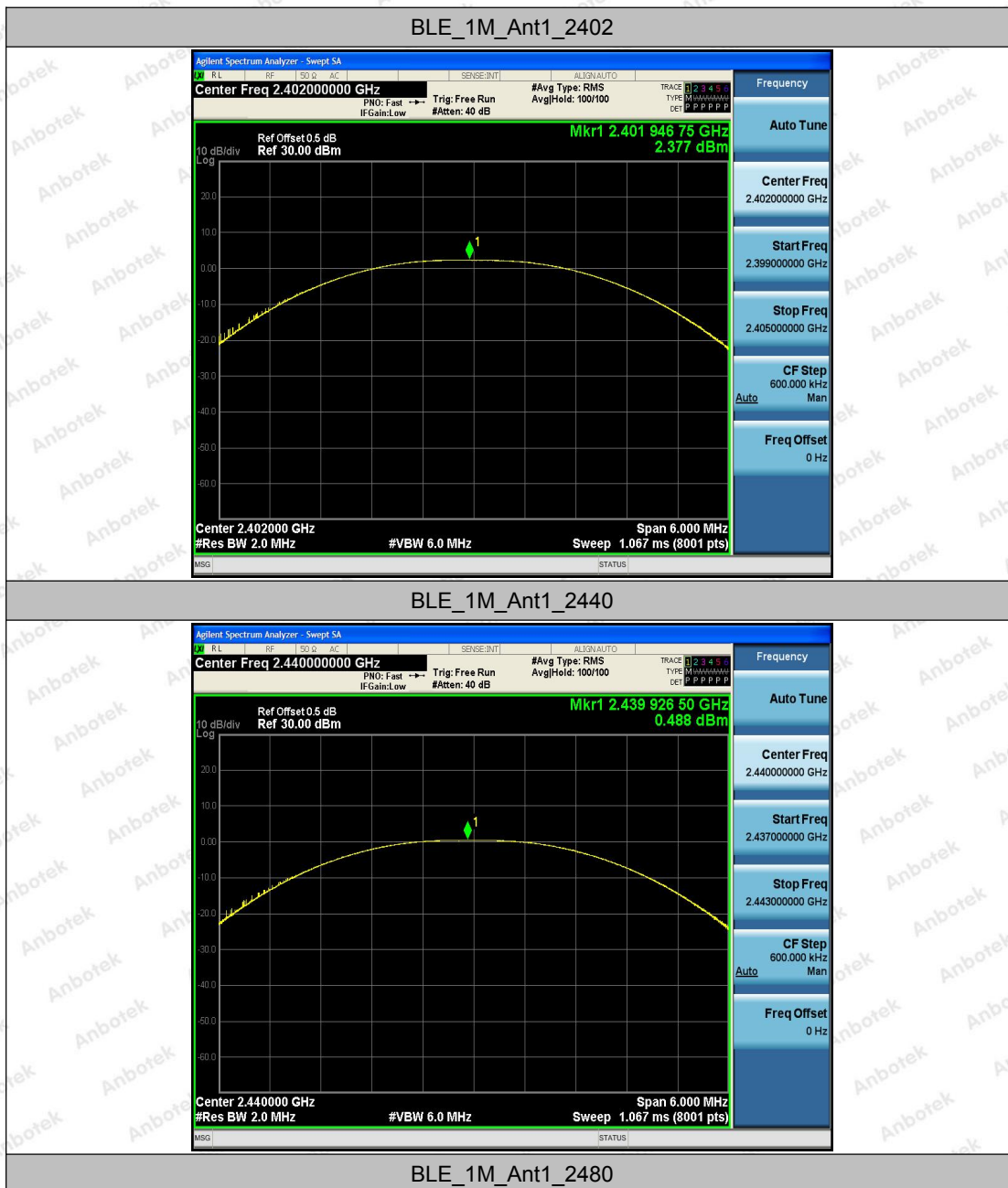
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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.38	≤30	PASS
		2440	0.49	≤30	PASS
		2480	0.45	≤30	PASS

Test Graphs

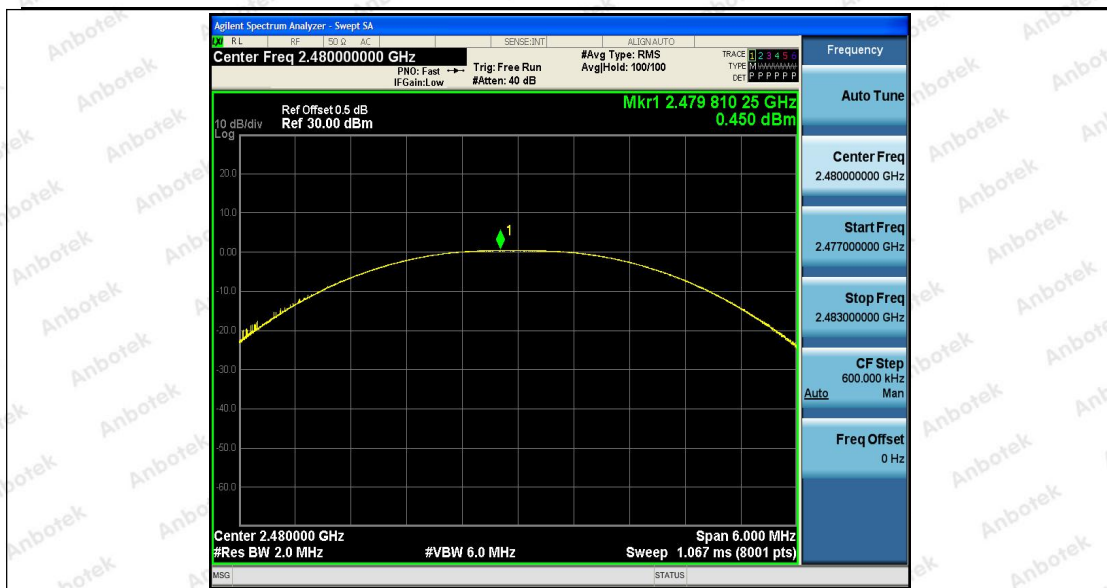


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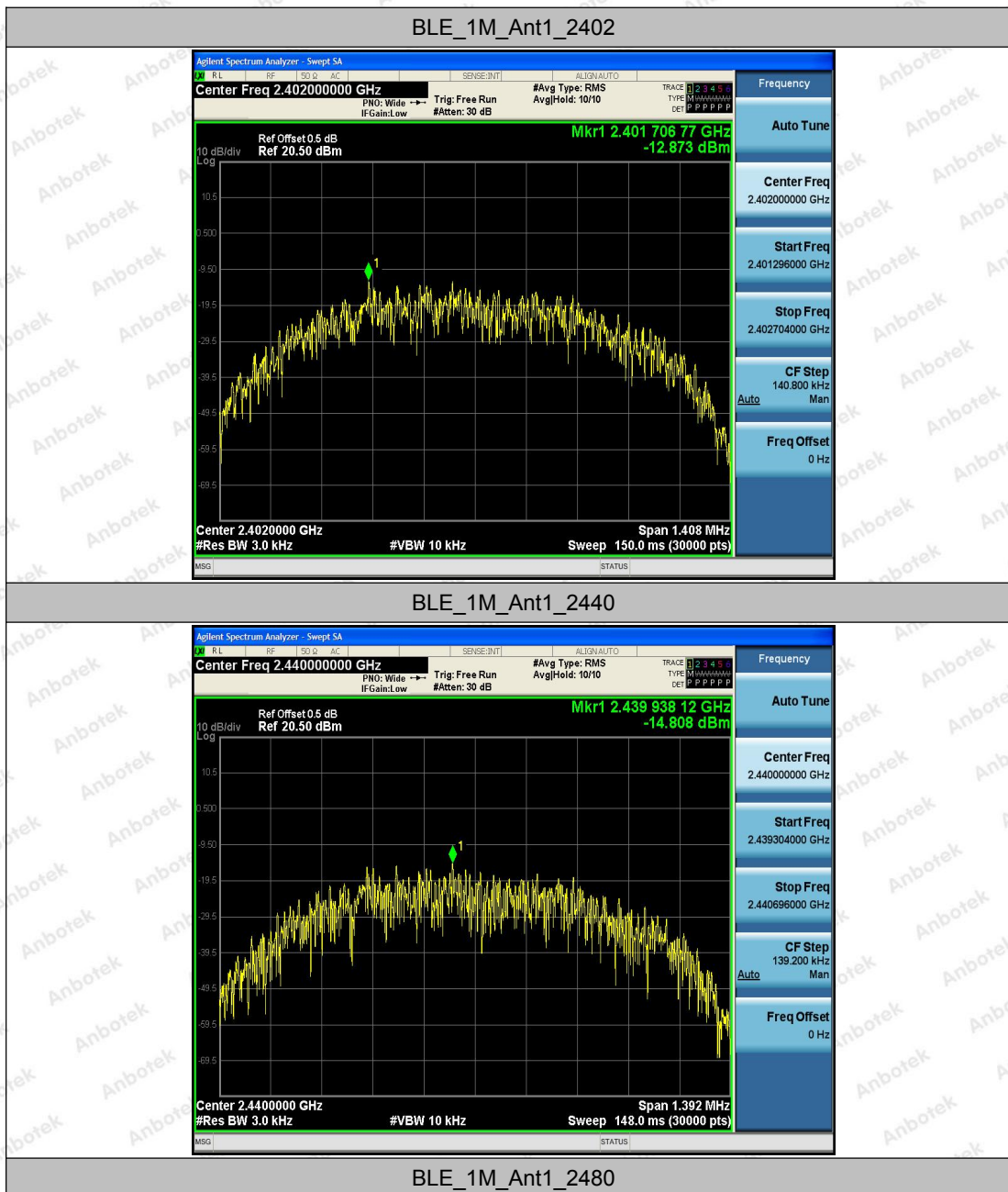
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.87	≤8	PASS
		2440	-14.81	≤8	PASS
		2480	-14.74	≤8	PASS

Test Graphs

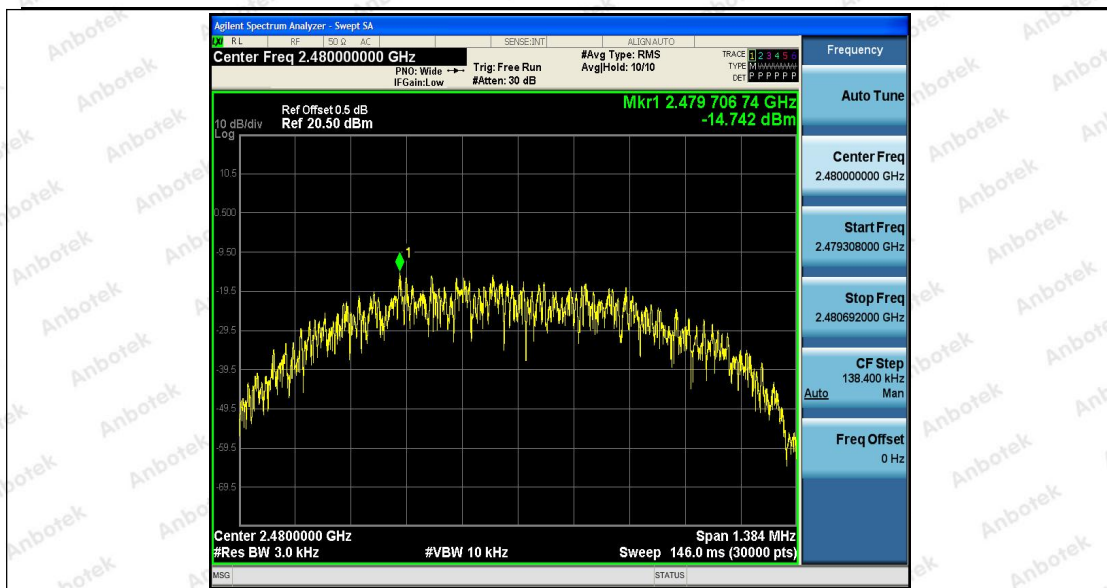


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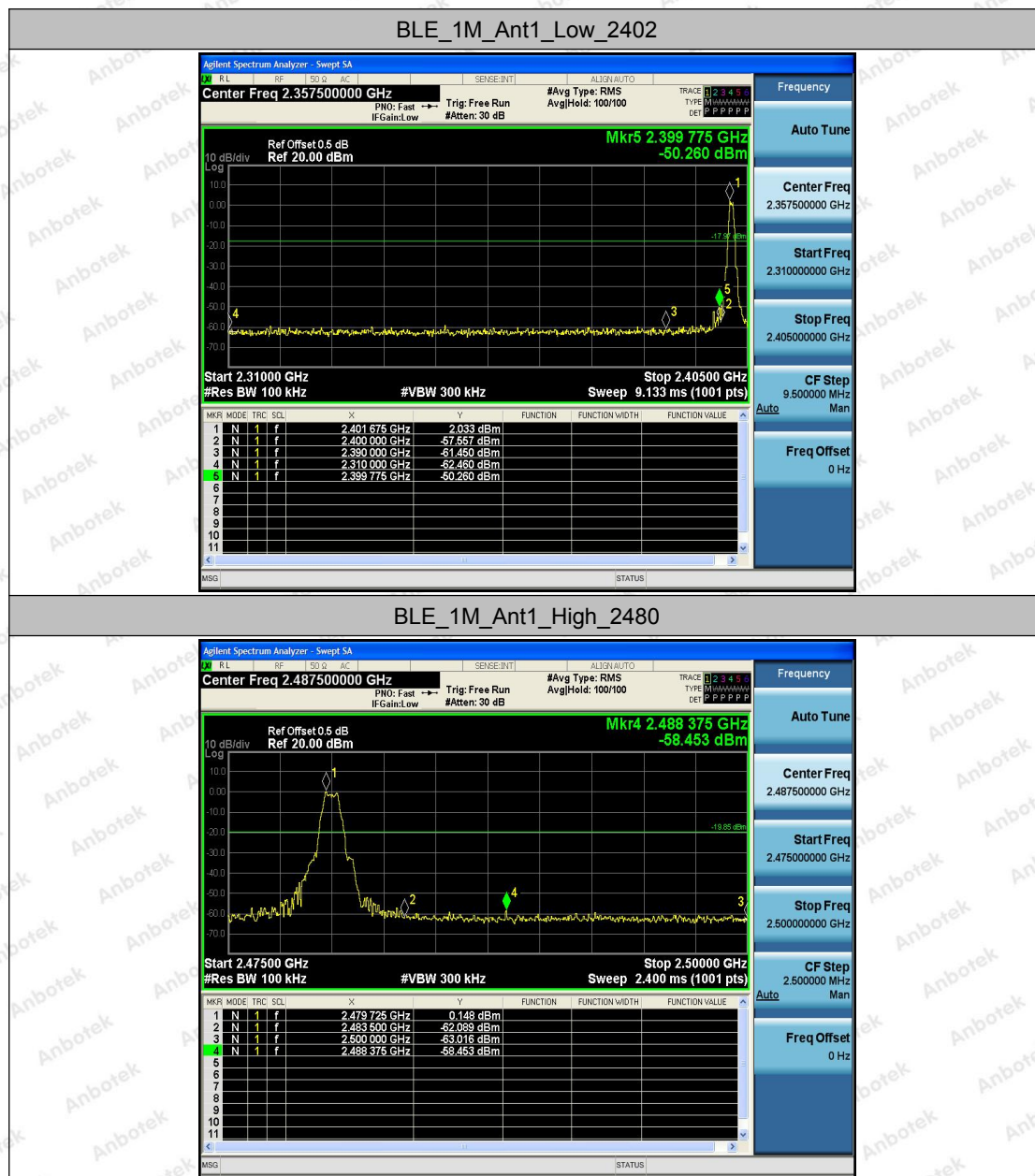
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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	2.03	-50.26	≤ -17.97	PASS
		High	2480	0.15	-58.45	≤ -19.85	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

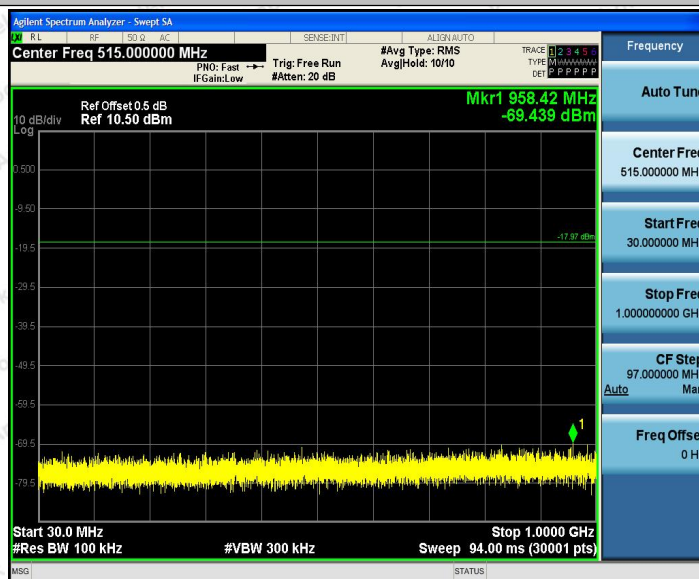
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	2.03	2.03	---	PASS
			30~1000	2.03	-69.44	≤-17.97	PASS
			1000~265 00	2.03	-49.98	≤-17.97	PASS
		2440	Reference	0.13	0.13	---	PASS
			30~1000	0.13	-69.75	≤-19.87	PASS
			1000~265 00	0.13	-50.69	≤-19.87	PASS
		2480	Reference	0.12	0.12	---	PASS
			30~1000	0.12	-70.48	≤-19.89	PASS
			1000~265 00	0.12	-54.84	≤-19.89	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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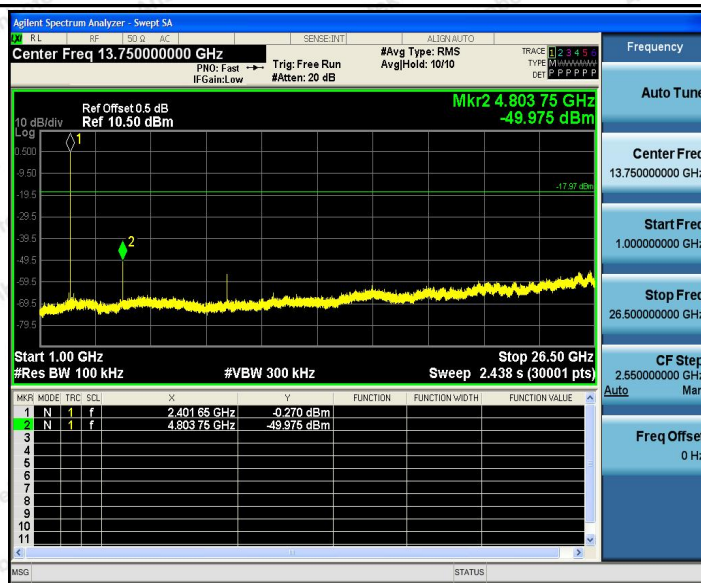
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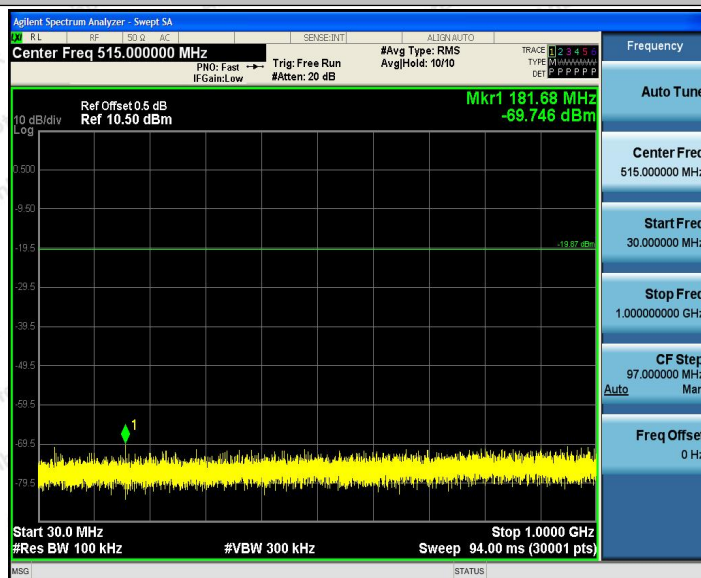
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



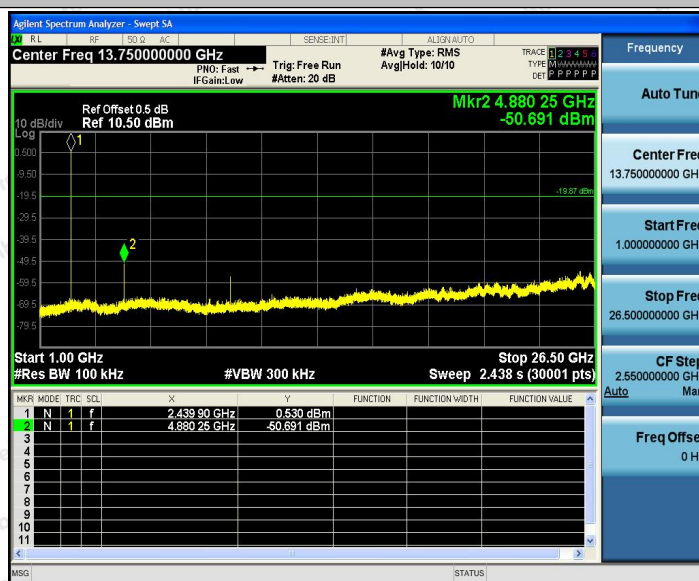
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



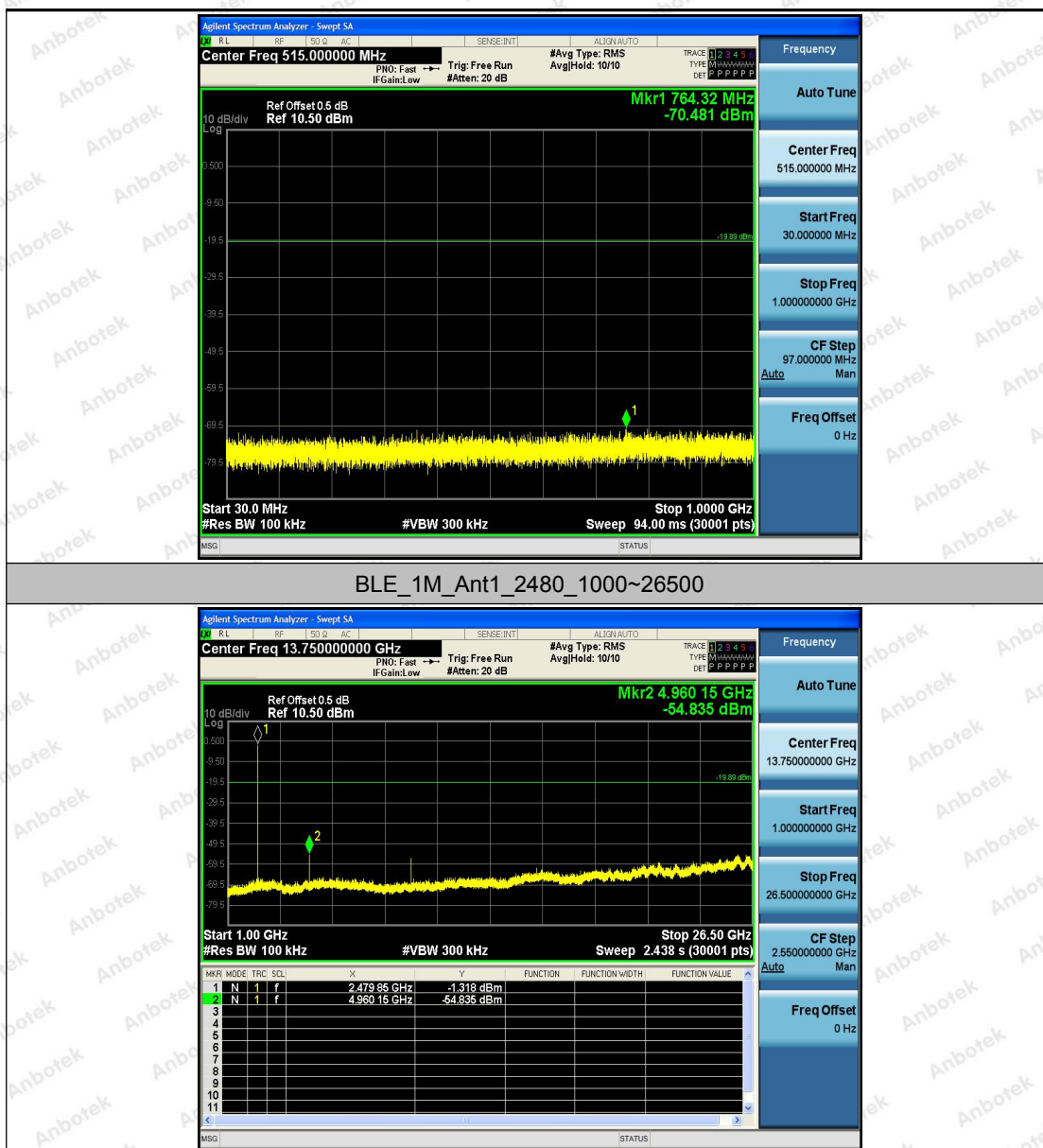
BLE_1M_Ant1_2480_30~1000

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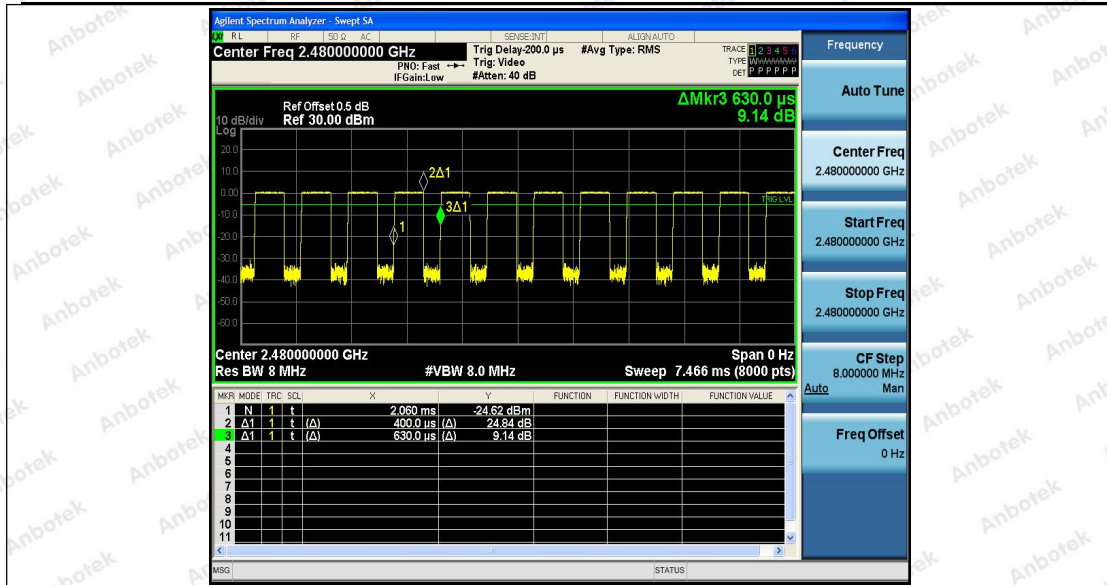
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Appendix G: Duty Cycle

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	0.40	0.62	0.645 2	64.52	1.90	---	PASS
		2480	0.40	0.63	0.634 9	63.49	1.97	---	PASS



---End---