

Appendix Test Data

Report No.:	18220WC10181401	Test Date:	2021.8.13
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3C°	Relative Humidity:	57 %
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.668	2401.676	2402.344	≥0.5	PASS
		2440	0.648	2439.692	2440.340	≥0.5	PASS
		2480	0.672	2479.668	2480.340	≥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

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0485	2401.492	2402.540	---	PASS
		2440	1.0457	2439.492	2440.537	---	PASS
		2480	1.0414	2479.493	2480.535	---	PASS

Test Graphs



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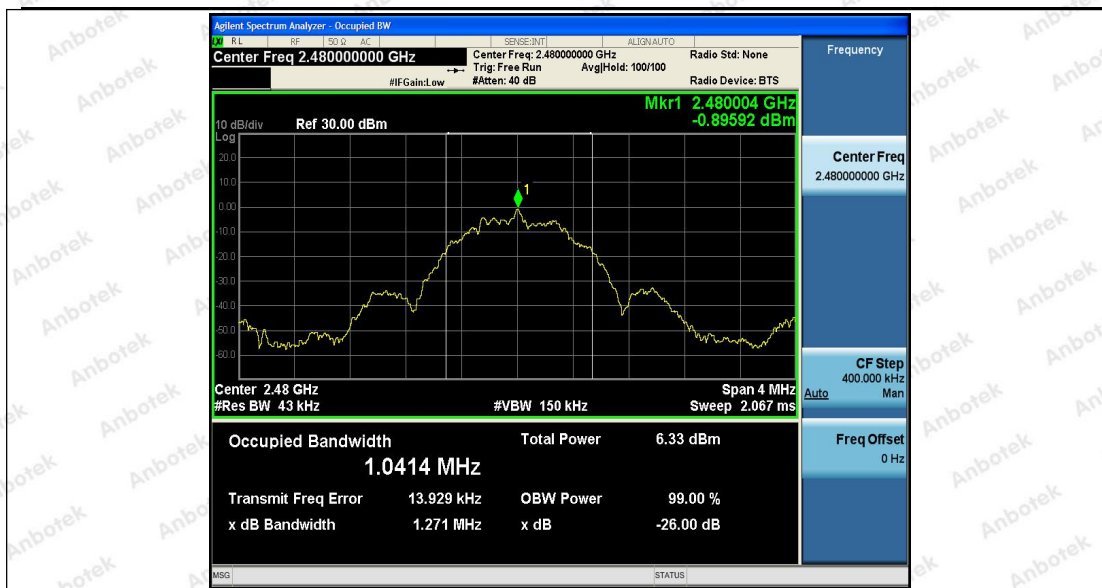
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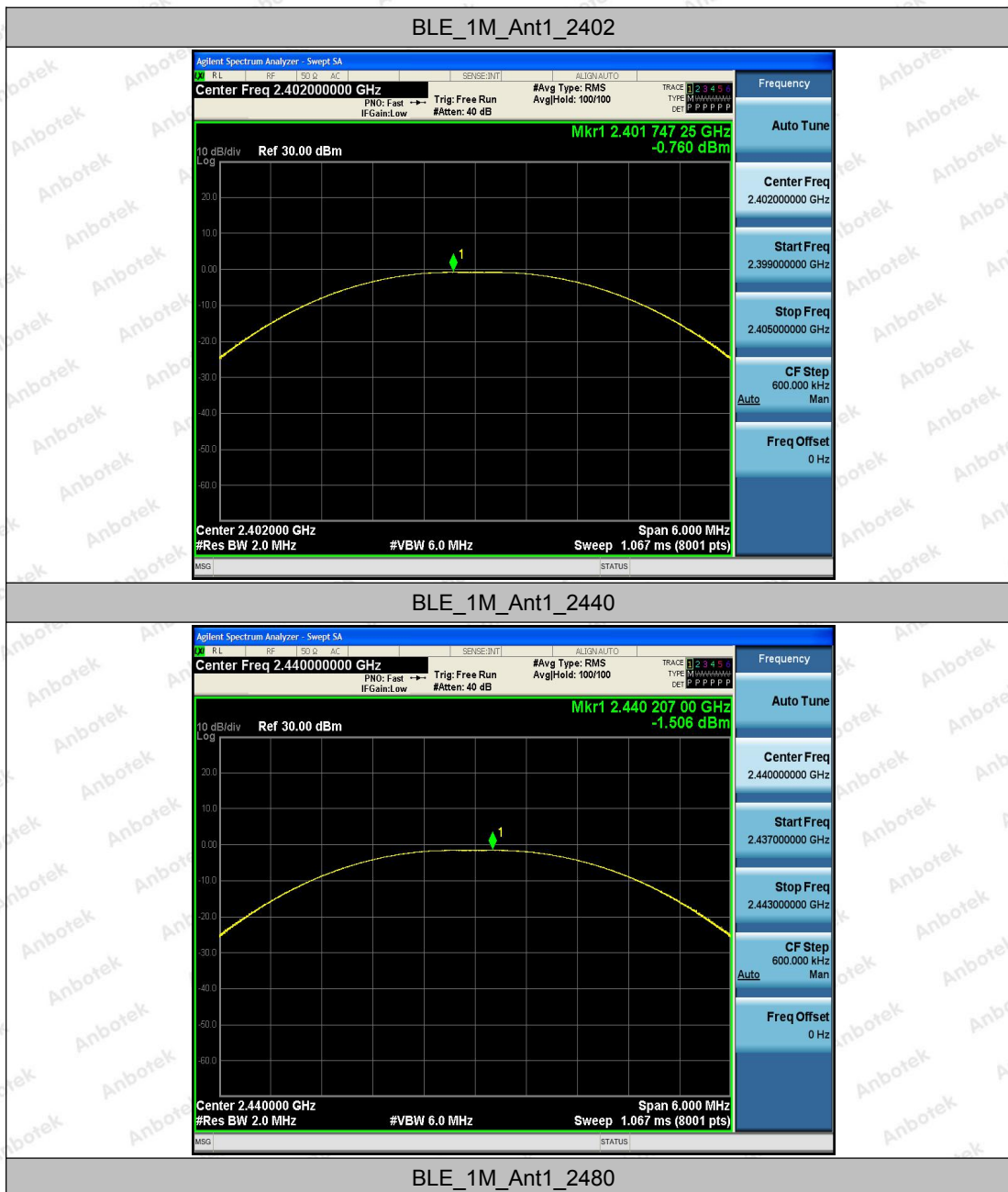
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Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-0.76	≤30	PASS
		2440	-1.51	≤30	PASS
		2480	-0.5	≤30	PASS

Test Graphs

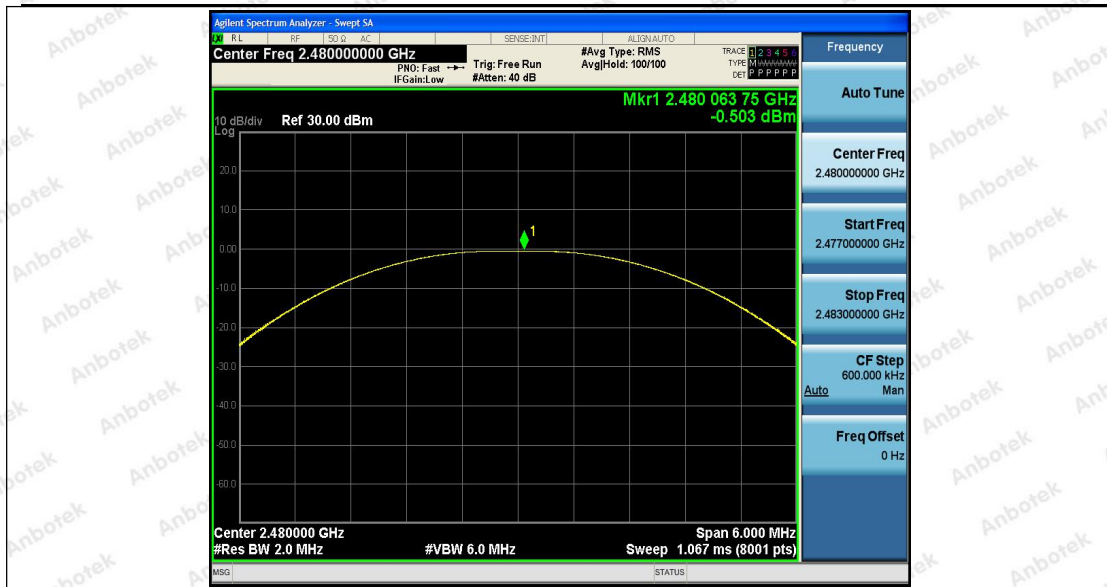


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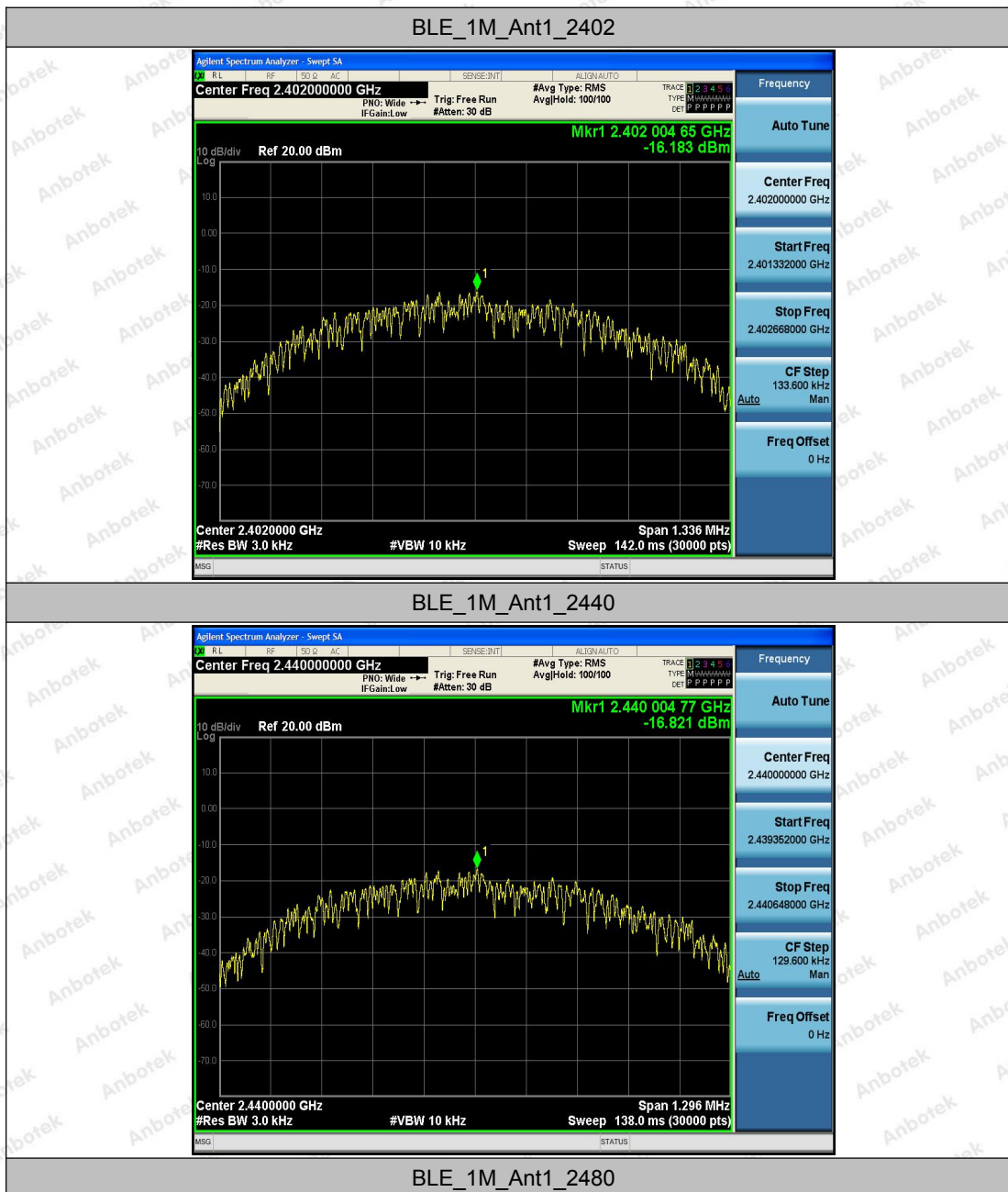
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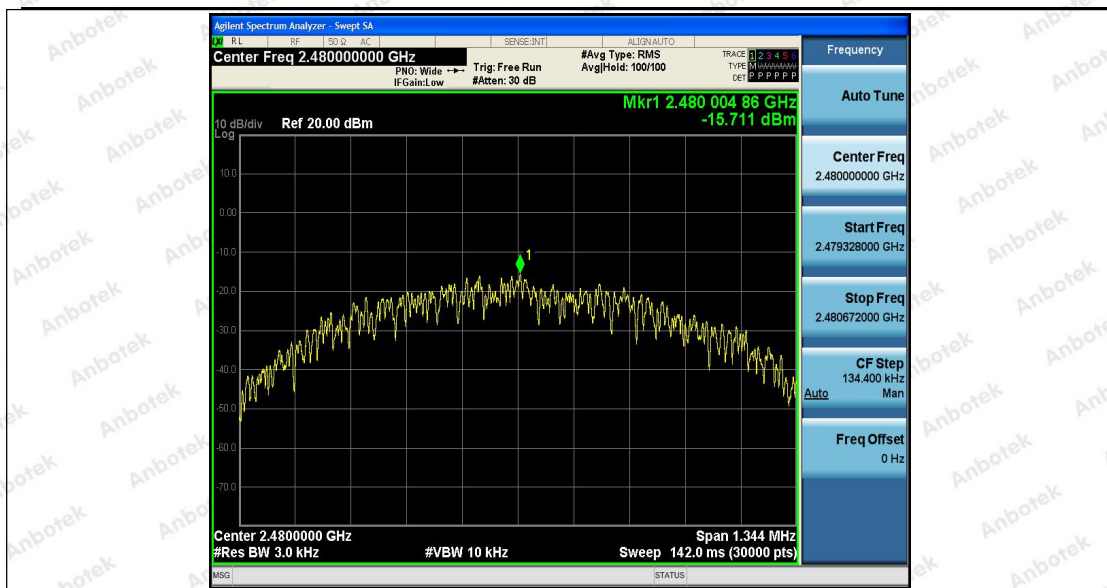
Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-16.18	≤8	PASS
		2440	-16.82	≤8	PASS
		2480	-15.71	≤8	PASS

Test Graphs





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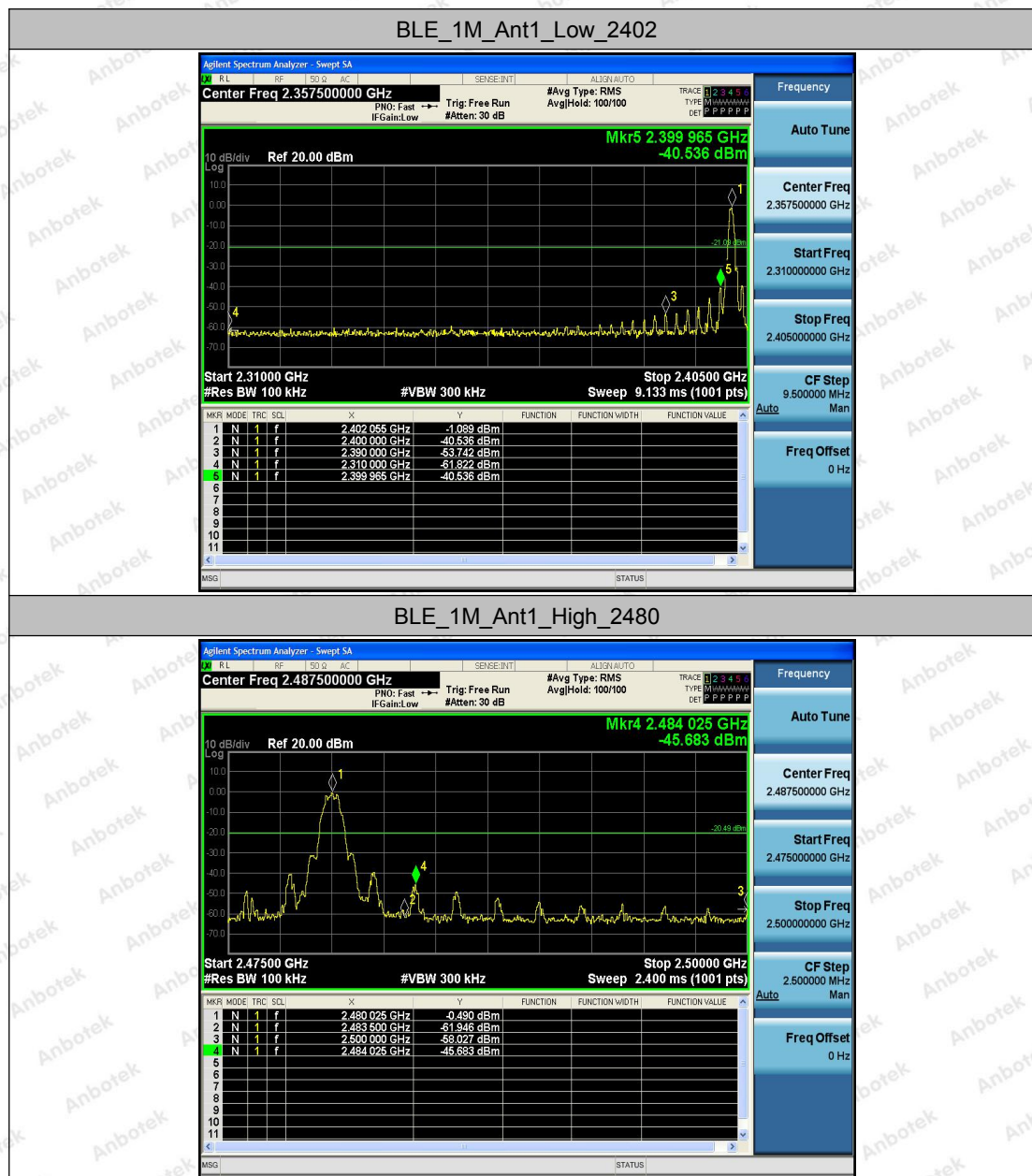
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Appendix E: Band edge measurements

Test Result

Test Mode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-1.09	-40.54	≤-21.09	PASS
		High	2480	-0.49	-45.68	≤-20.49	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

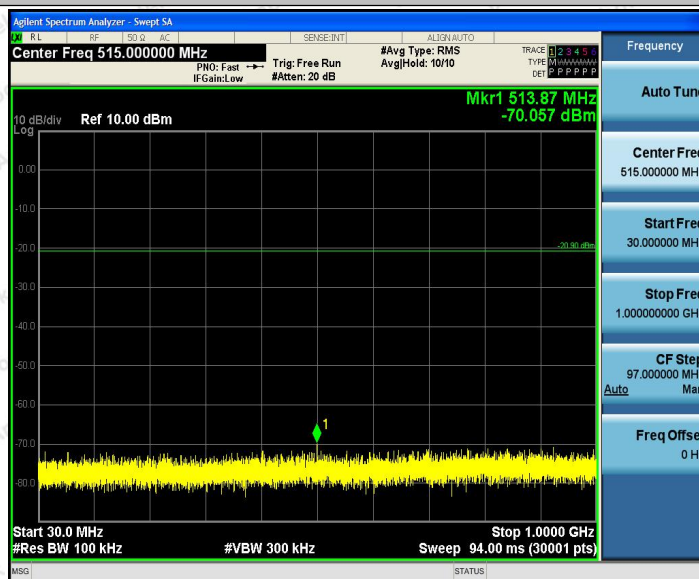
Test Mode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-0.90	-0.90	---	PASS
			30~1000	-0.90	-70.06	≤-20.9	PASS
			1000~26500	-0.90	-55.36	≤-20.9	PASS
		2440	Reference	-1.77	-1.77	---	PASS
			30~1000	-1.77	-70.71	≤-21.77	PASS
			1000~26500	-1.77	-55.23	≤-21.77	PASS
		2480	Reference	-0.58	-0.58	---	PASS
			30~1000	-0.58	-70.83	≤-20.58	PASS
			1000~26500	-0.58	-54.91	≤-20.58	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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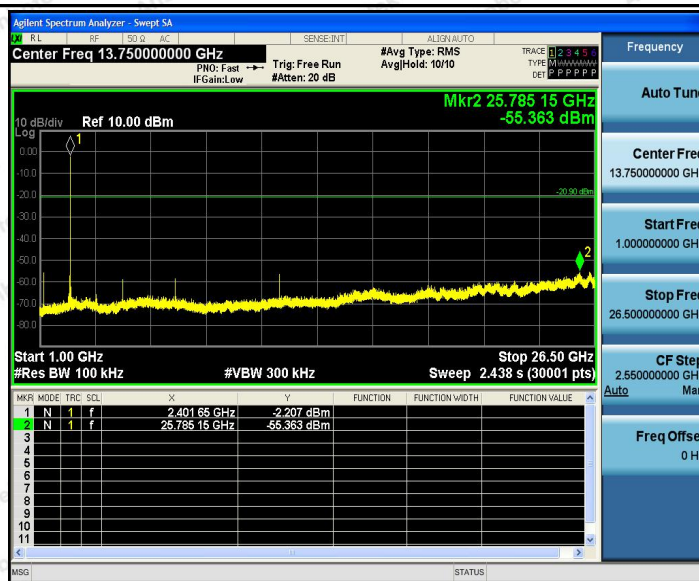
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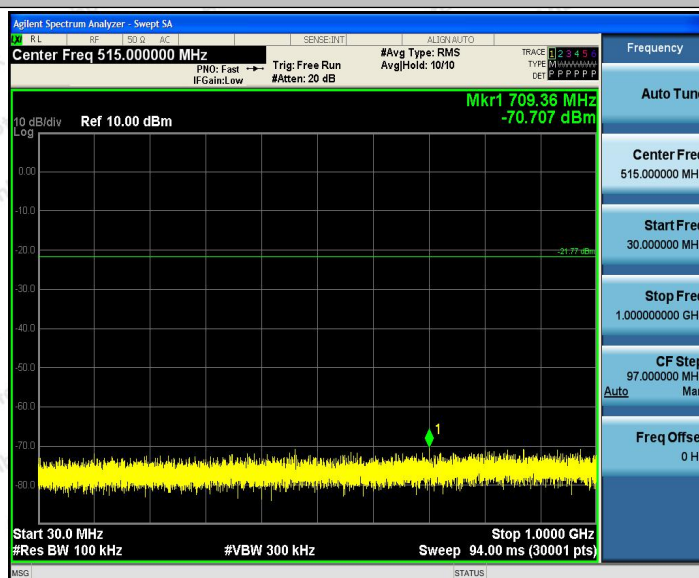
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



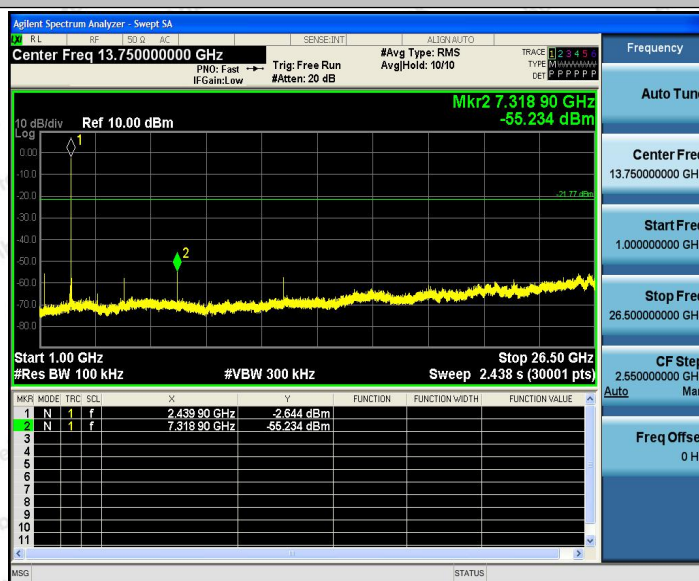
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



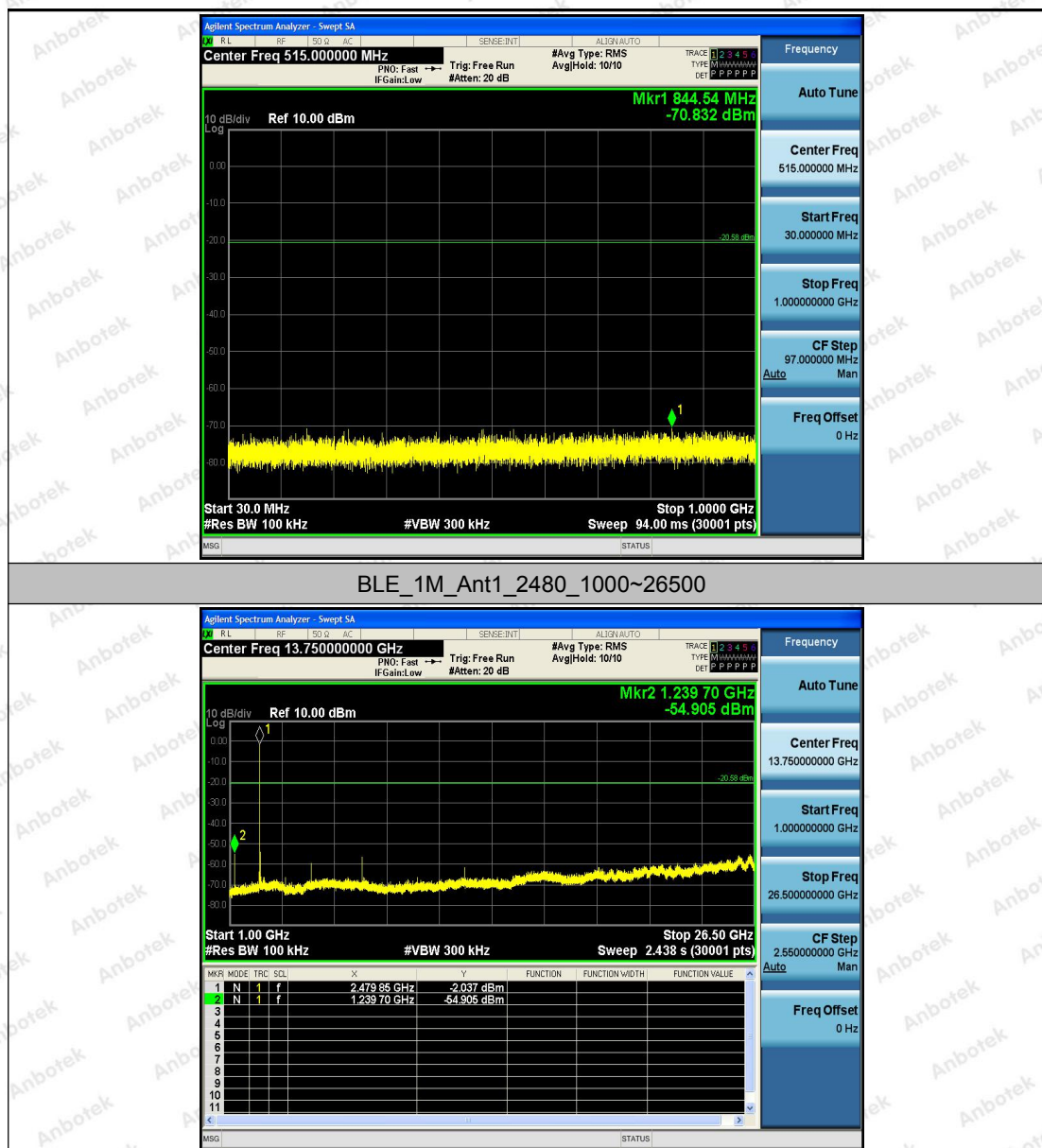
BLE_1M_Ant1_2480_30~1000

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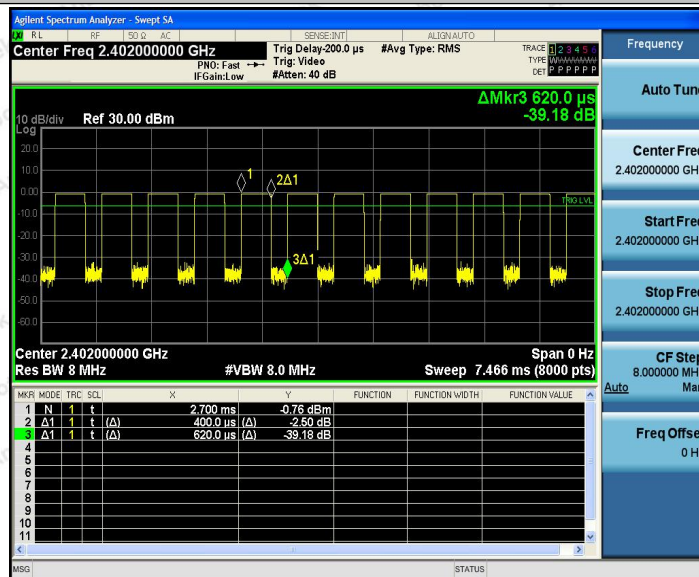
Appendix G: Duty Cycle

Test Result

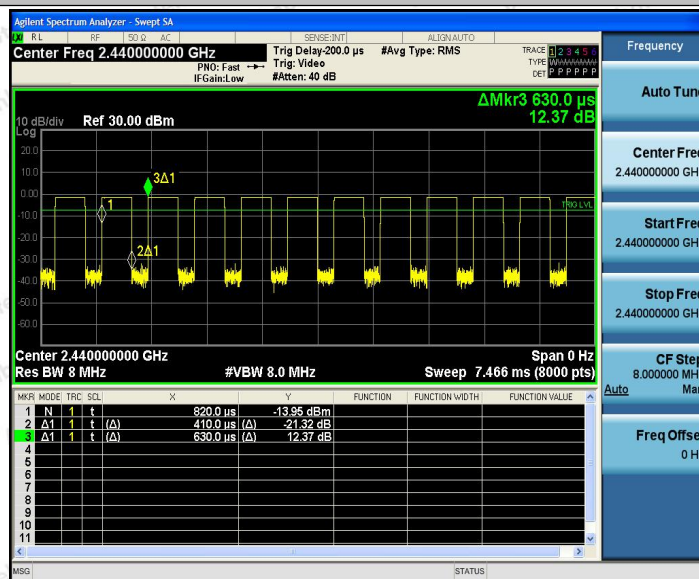
Test Mode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.40	0.62	0.6452	64.52	1.90	---	PASS
		2440	0.41	0.63	0.6508	65.08	1.87	---	PASS
		2480	0.41	0.63	0.6508	65.08	1.87	---	PASS

Test Graphs

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480

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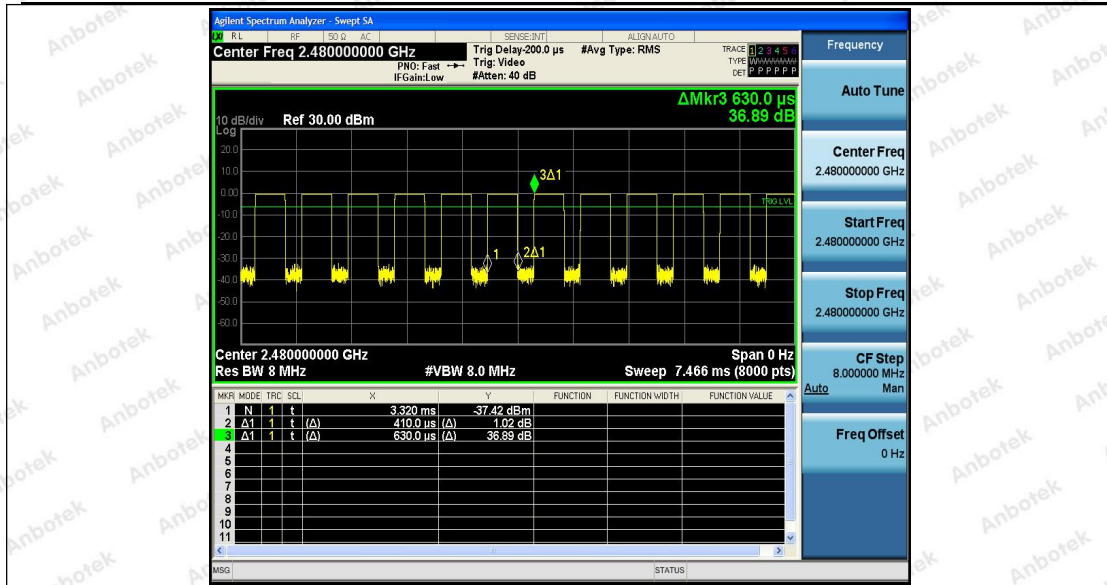
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