

Appendix Test Data

Report No.:	18220WC10227901	Test Date:	2021.10.14
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
2.4G	Ant1	2402	0.712	2401.632	2402.344	≥0.5	PASS
		2440	0.688	2439.648	2440.336	≥0.5	PASS
		2480	0.680	2479.640	2480.320	≥0.5	PASS

Test Graphs

2.4G_Ant1_2402



2.4G_Ant1_2440



2.4G_Ant1_2480

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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2402	1.0262	2401.498	2402.525	---	PASS
		2440	1.0181	2439.494	2440.512	---	PASS
		2480	1.0234	2479.493	2480.516	---	PASS

Test Graphs



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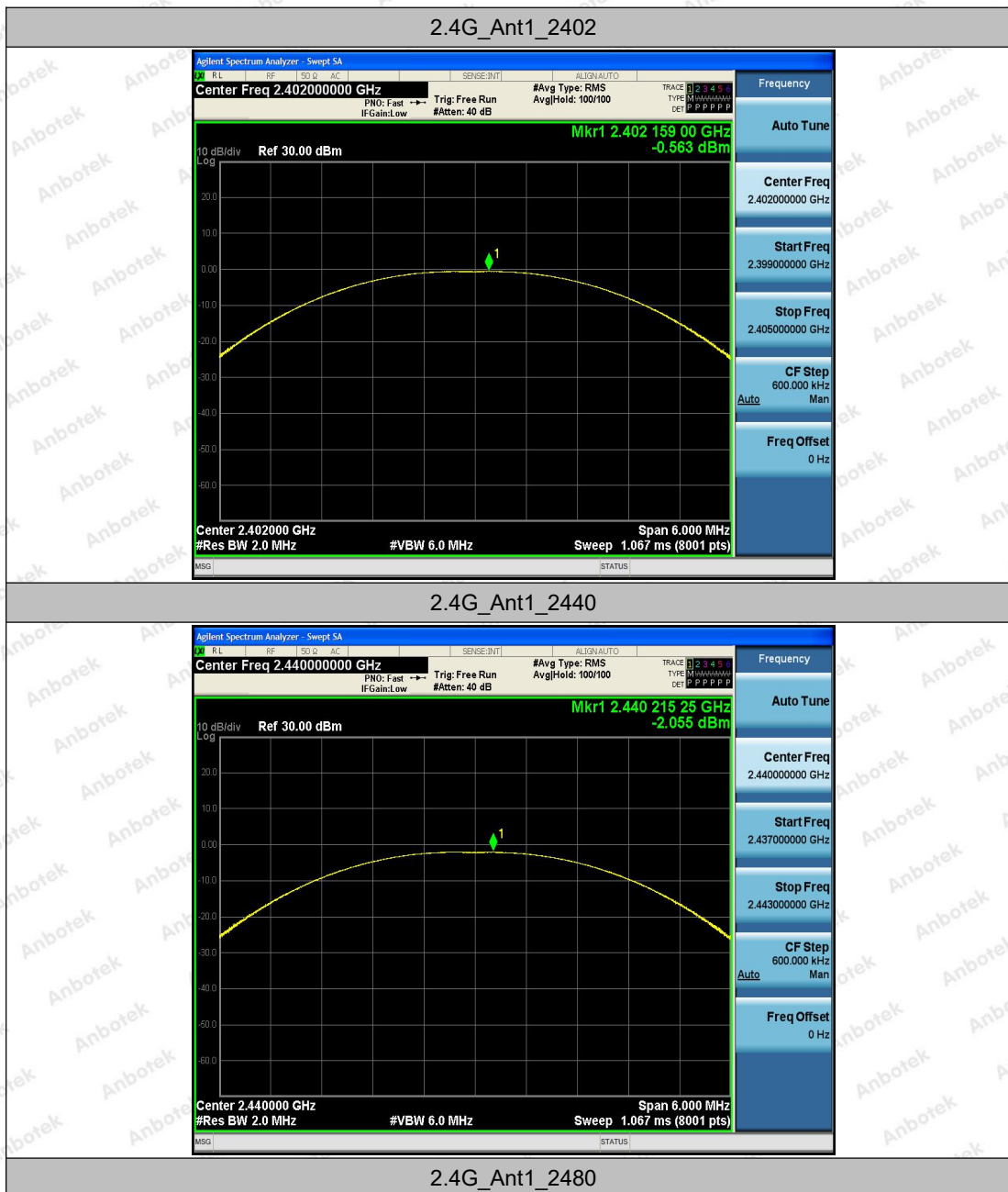
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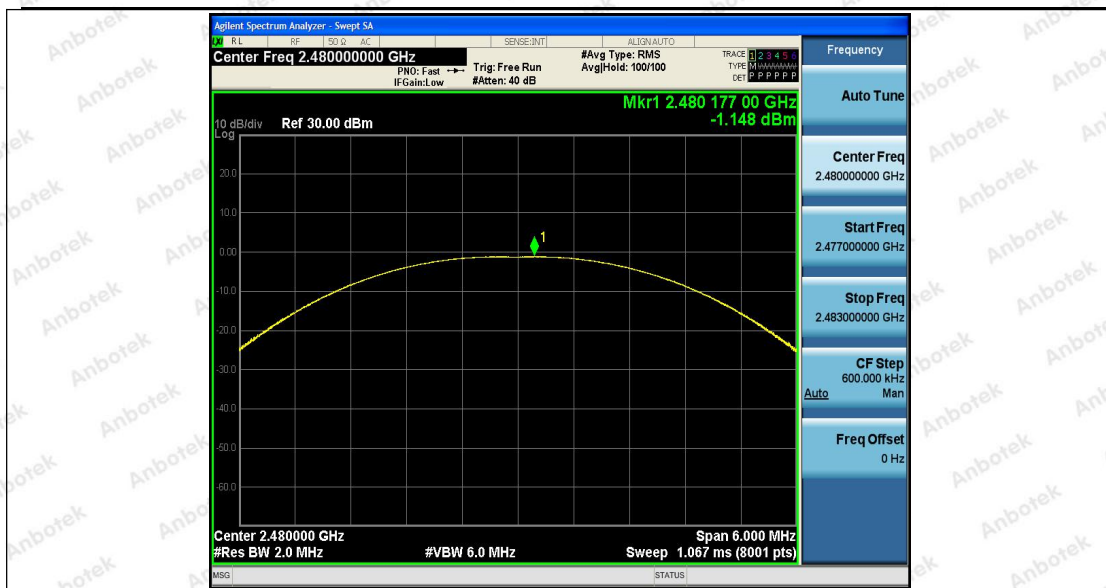
Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
2.4G	Ant1	2402	-0.56	≤30	PASS
		2440	-2.06	≤30	PASS
		2480	-1.15	≤30	PASS

Test Graphs





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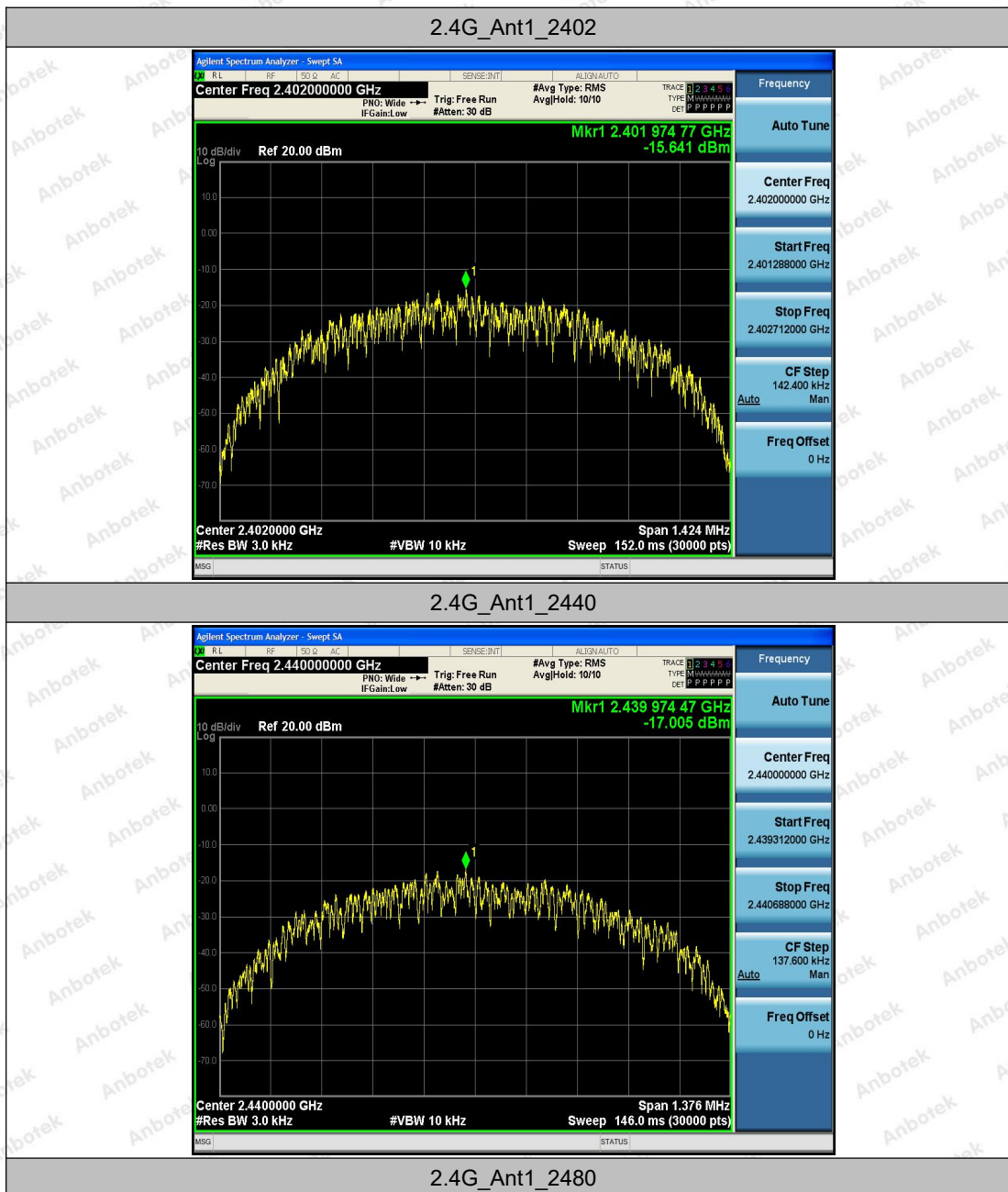
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
2.4G	Ant1	2402	-15.64	≤8	PASS
		2440	-17.01	≤8	PASS
		2480	-16.6	≤8	PASS

Test Graphs

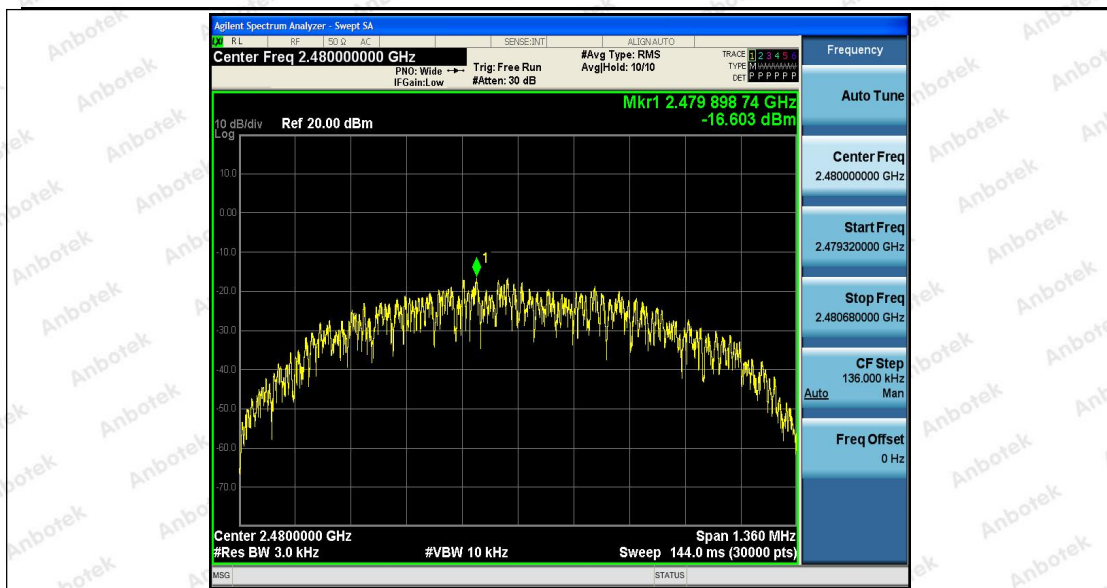


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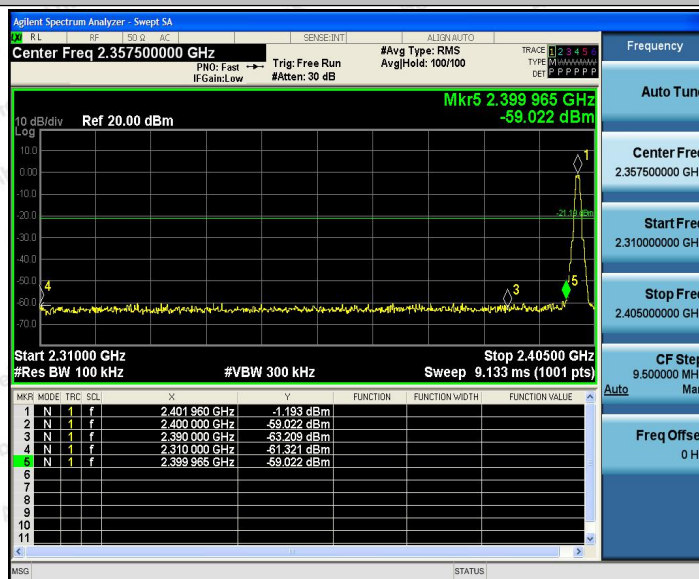
Appendix E: Band edge measurements

Test Result

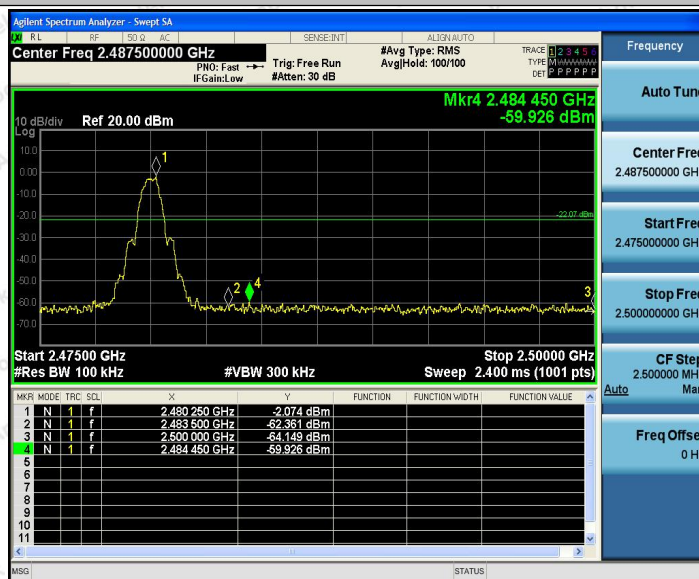
TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4G	Ant1	Low	2402	-1.19	-59.02	≤ -21.19	PASS
		High	2480	-2.07	-59.93	≤ -22.07	PASS

Test Graphs

2.4G_Ant1_Low_2402



2.4G_Ant1_High_2480



Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4G	Ant1	2402	Reference	-1.34	-1.34	---	PASS
			30~1000	-1.34	-70.33	≤ -21.34	PASS
			1000~265 00	-1.34	-45.12	≤ -21.34	PASS
		2440	Reference	-2.95	-2.95	---	PASS
			30~1000	-2.95	-70.14	≤ -22.95	PASS
			1000~265 00	-2.95	-47.24	≤ -22.95	PASS
		2480	Reference	-2.00	-2.00	---	PASS
			30~1000	-2.00	-70.29	≤ -22	PASS
			1000~265 00	-2.00	-48.48	≤ -22	PASS

Test Graphs

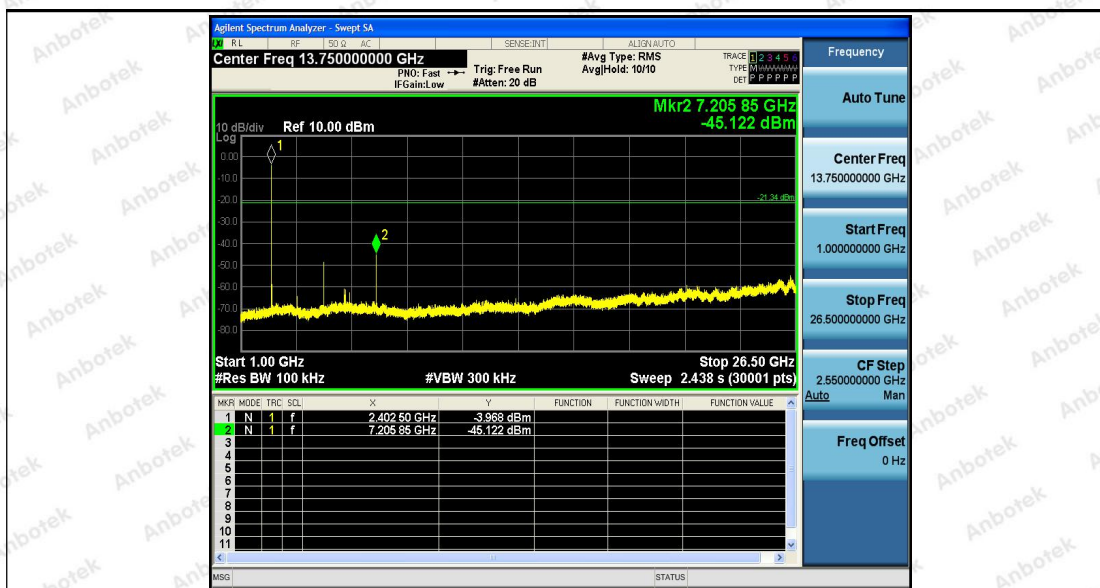


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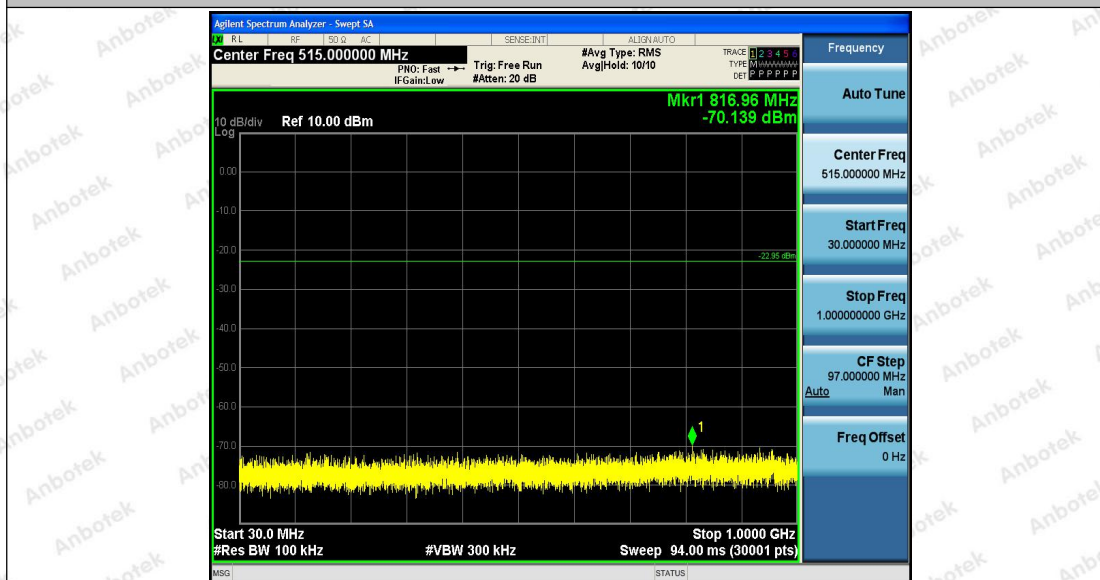
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2.4G_Ant1_2440_0~Reference



2.4G_Ant1_2440_30~1000



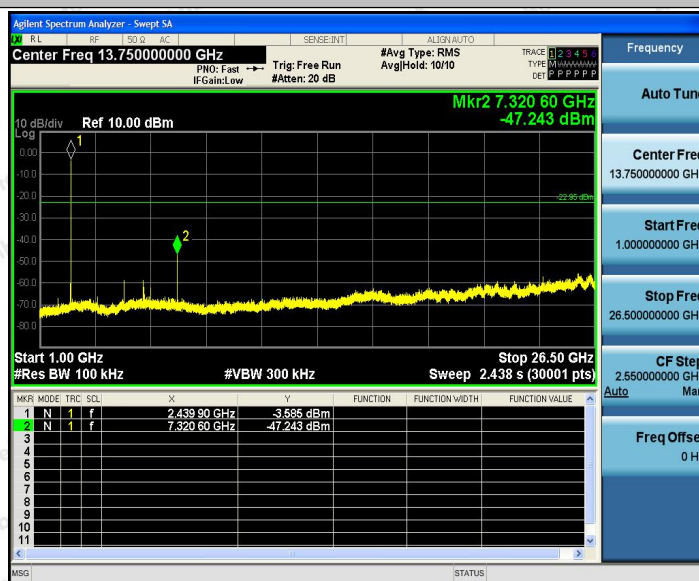
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2.4G_Ant1_2440_1000~26500



2.4G_Ant1_2480_0~Reference



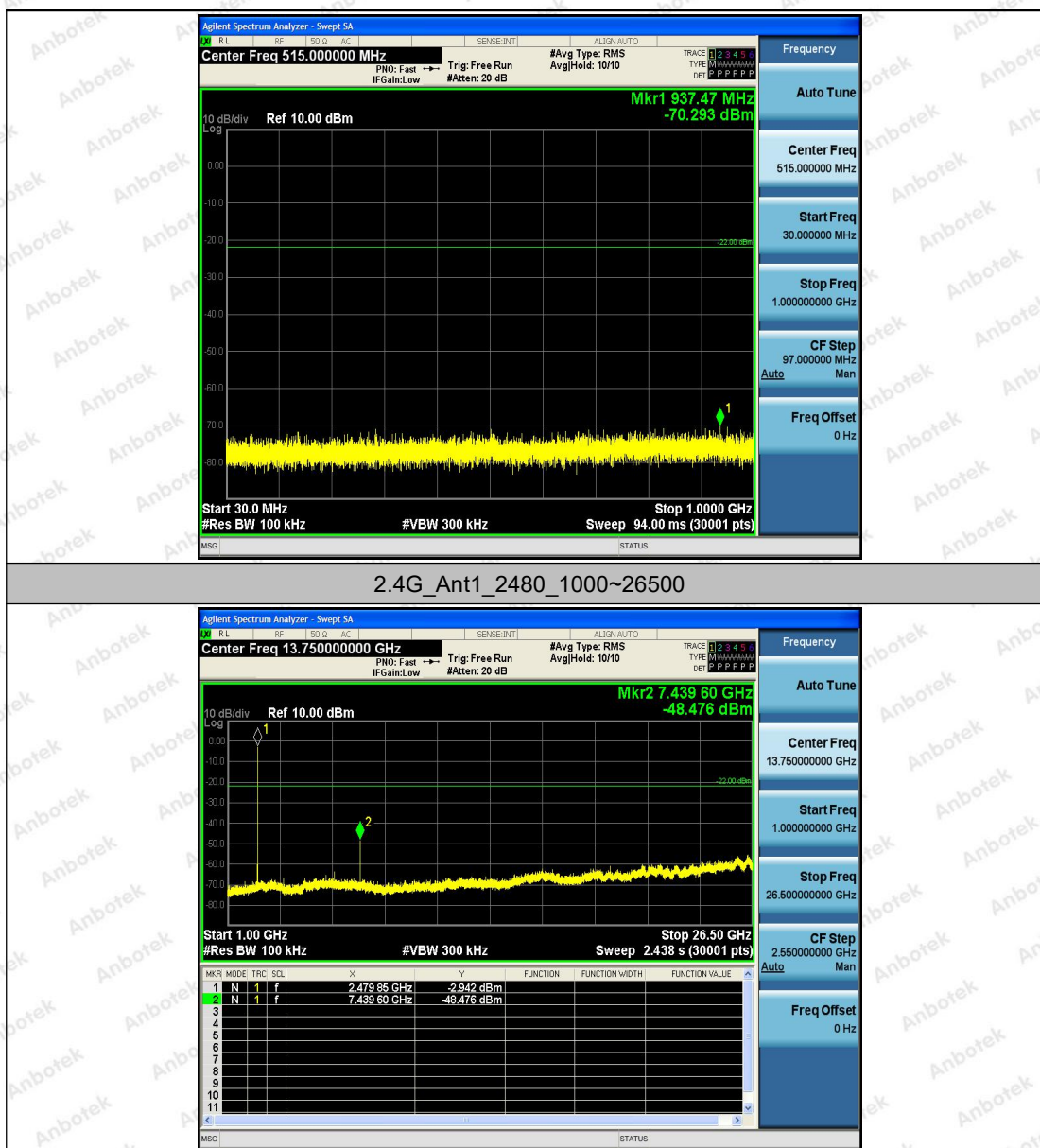
2.4G_Ant1_2480_30~1000

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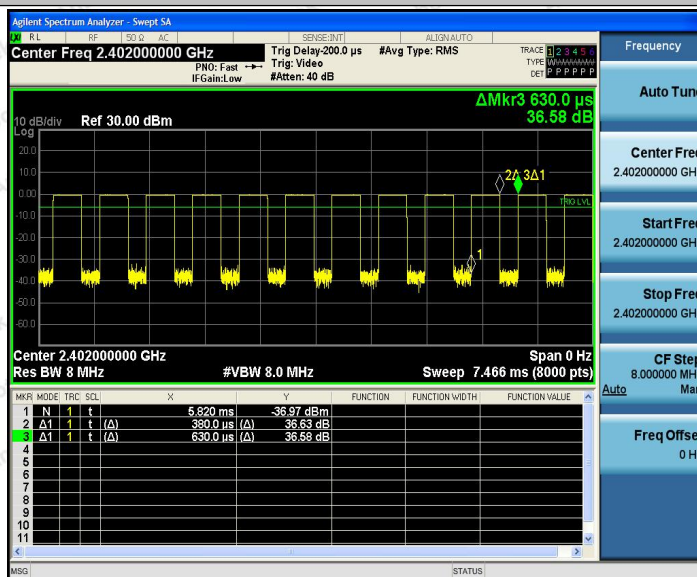
Appendix G: Duty Cycle

Test Result

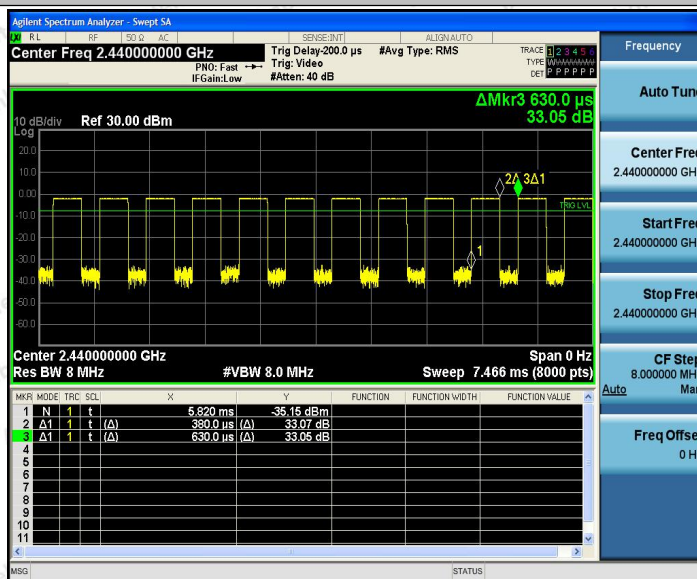
TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
2.4G	Ant1	2402	0.38	0.63	0.603 2	60.32	2.20	---	PASS
		2440	0.38	0.63	0.603 2	60.32	2.20	---	PASS
		2480	0.38	0.63	0.603 2	60.32	2.20	---	PASS

Test Graphs

2.4G_Ant1_2402



2.4G_Ant1_2440



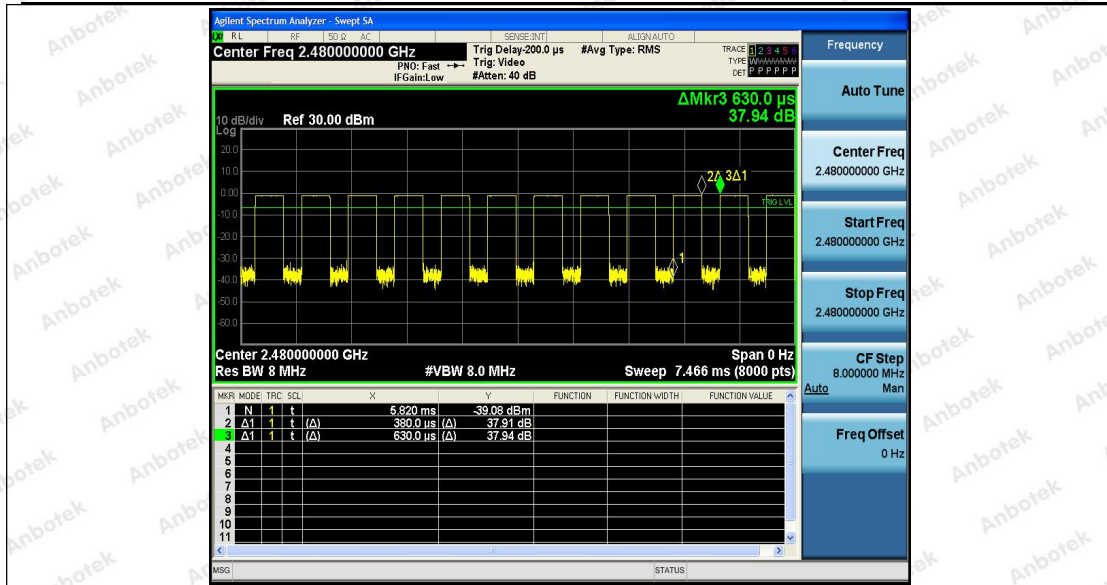
2.4G_Ant1_2480

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