

Appendix Test Data

Report No.:	18220WC20243901	Test Sample No.:	1-2-2
Start Test Date:	2022.10.17	Finish Test Date:	2022.10.19
Test Engineer:	Rick Luo	Auditor:	Edward Pan
Temperature:	27.3°C	Relative Humidity:	47 %
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4g	Ant1	2404	1.292	2403.404	2404.696	0.5	PASS
		2416	1.384	2415.288	2416.672	0.5	PASS
		2430	1.252	2429.368	2430.620	0.5	PASS



Test Graphs

2.4g_Ant1_2404



2.4g_Ant1_2416



2.4g_Ant1_2430

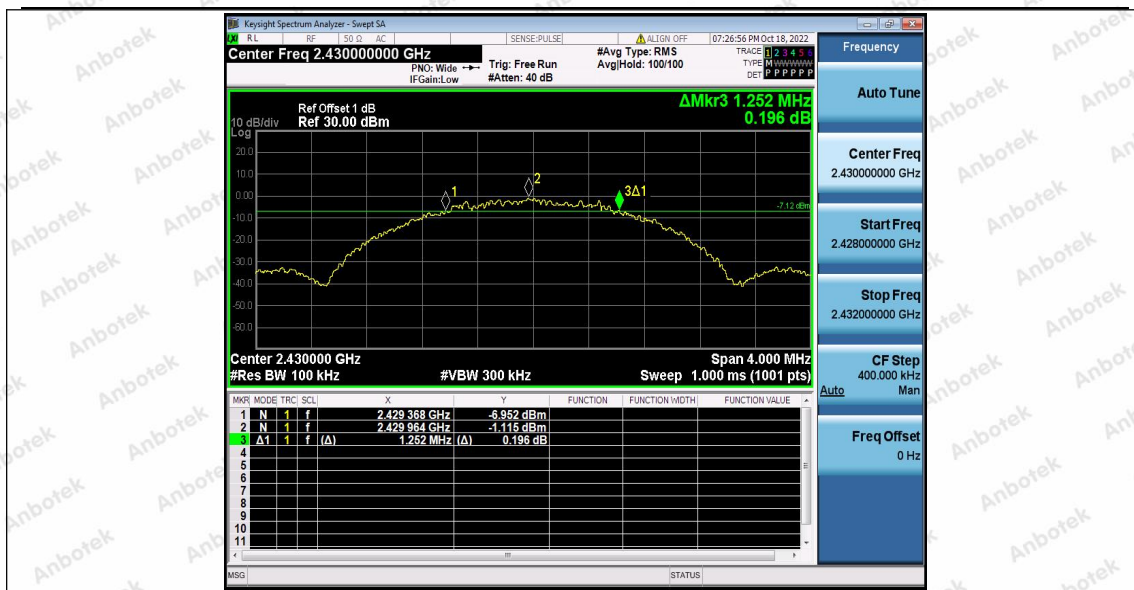
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Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
2.4g	Ant1	2404	2.0301	2402.9690	2404.9991
		2416	2.0356	2414.9541	2416.9897
		2430	2.0490	2428.9530	2431.0020



Test Graphs

2.4g_Ant1_2404



2.4g_Ant1_2416



2.4g_Ant1_2430

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Appendix C: Maximum conducted output power

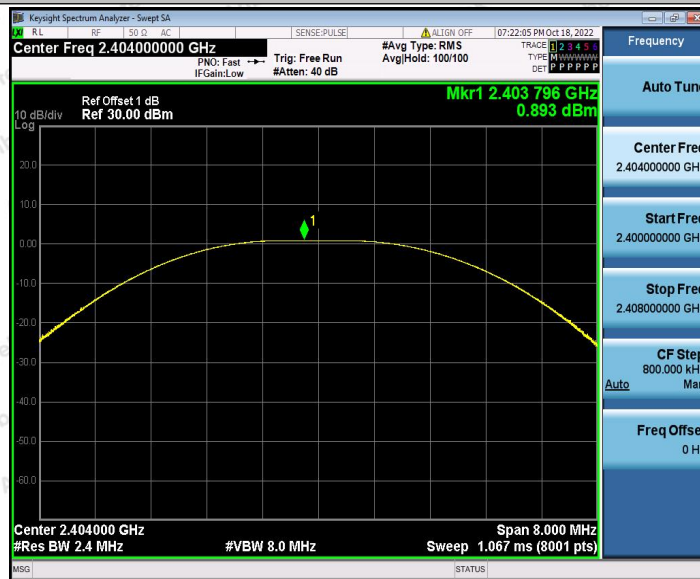
Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4g	Ant1	2404	0.89	≤30	PASS
		2416	0.82	≤30	PASS
		2430	0.83	≤30	PASS

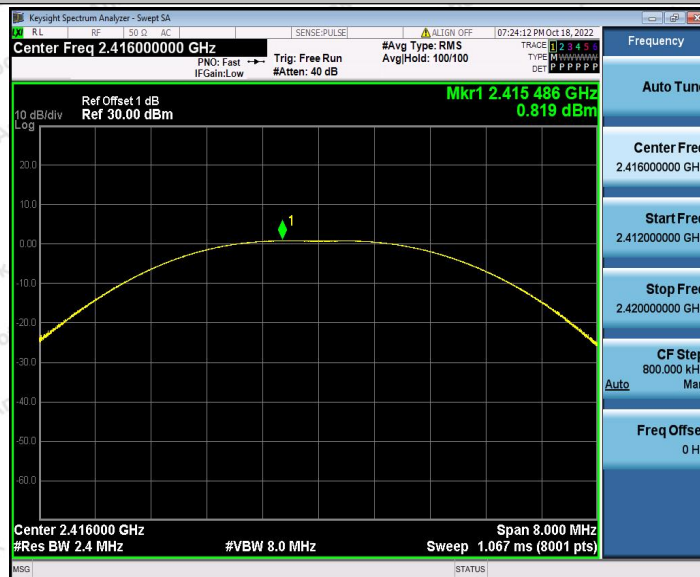


Test Graphs Peak

2.4g_Ant1_2404



2.4g_Ant1_2416



2.4g_Ant1_2430

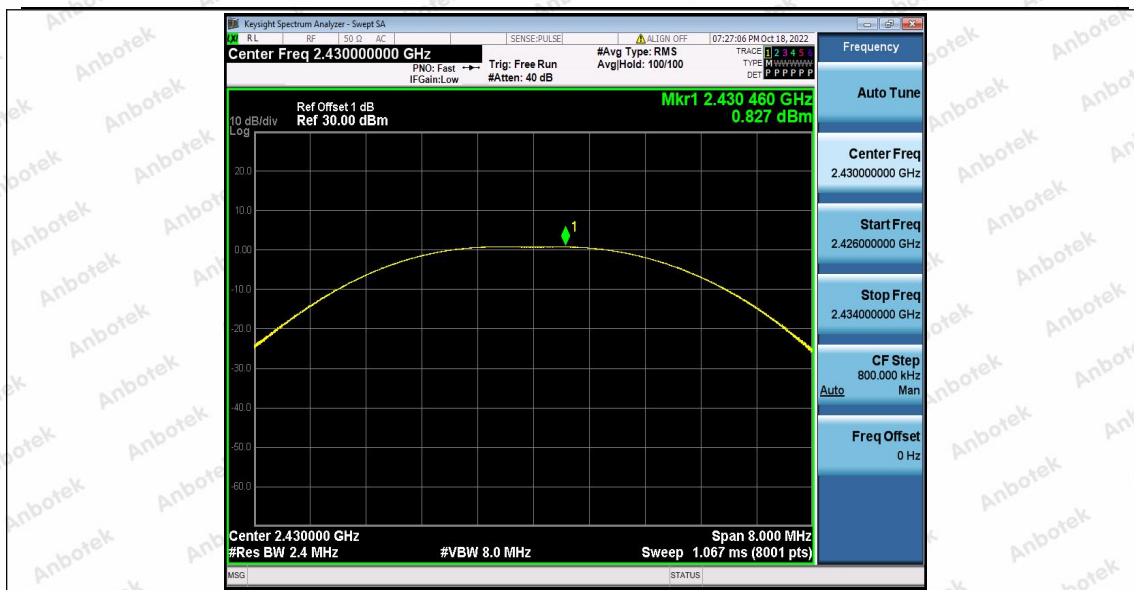
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Appendix D: Maximum power spectral density

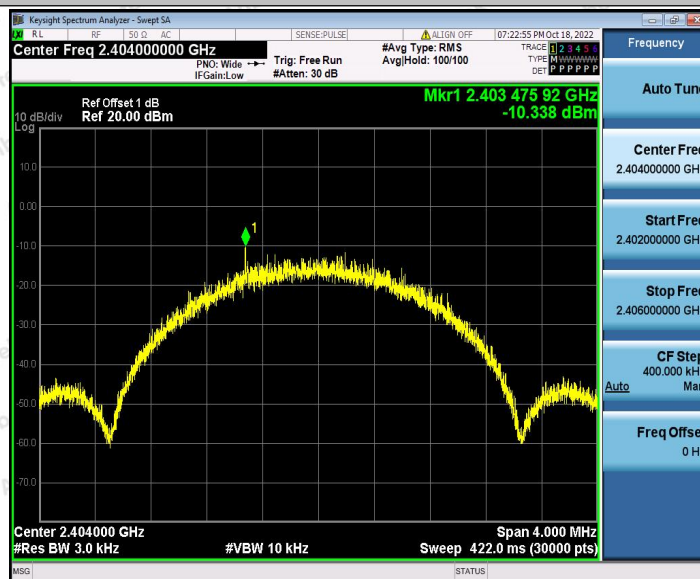
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
2.4g	Ant1	2404	-10.34	≤8.00	PASS
		2416	-12.37	≤8.00	PASS
		2430	-11.23	≤8.00	PASS

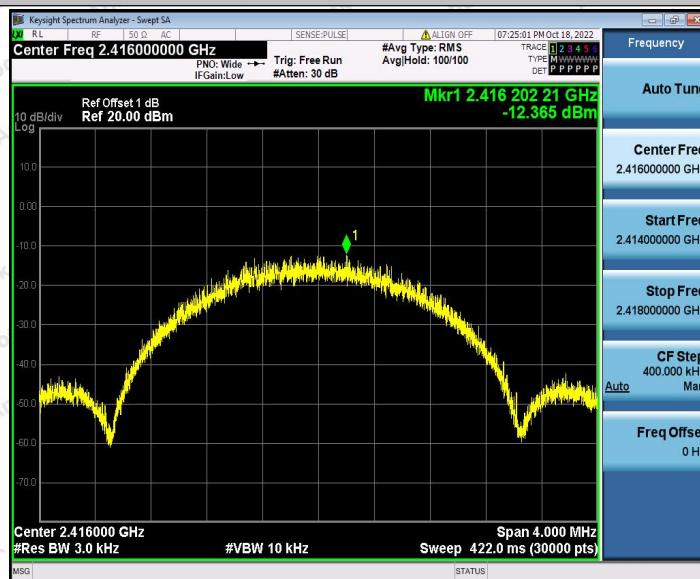


Test Graphs

2.4g_Ant1_2404



2.4g_Ant1_2416



2.4g_Ant1_2430

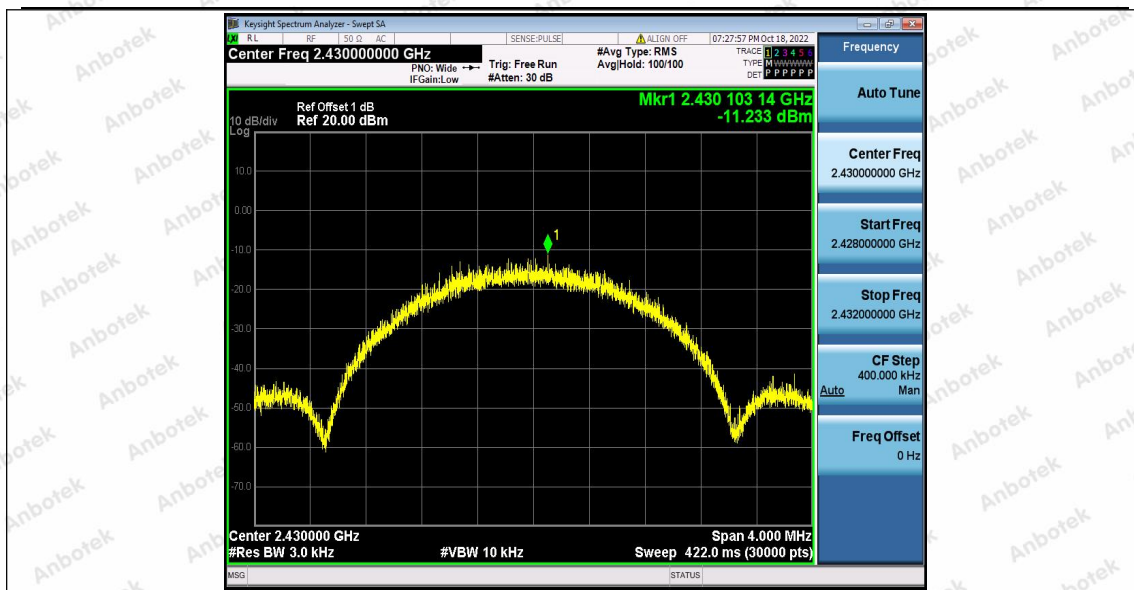
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Appendix E: Band edge measurements

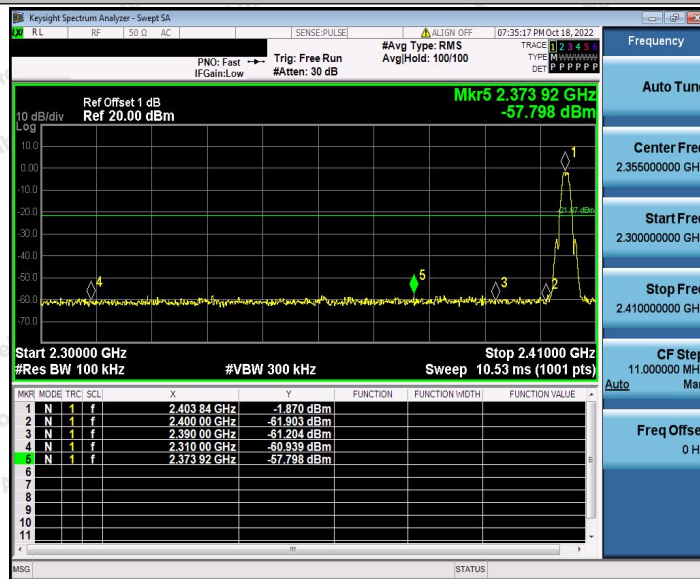
Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4g	Ant1	Low	2404	-1.87	-57.8	≤-21.87	PASS
			2430	-0.84	-60.43	≤-19.17	PASS

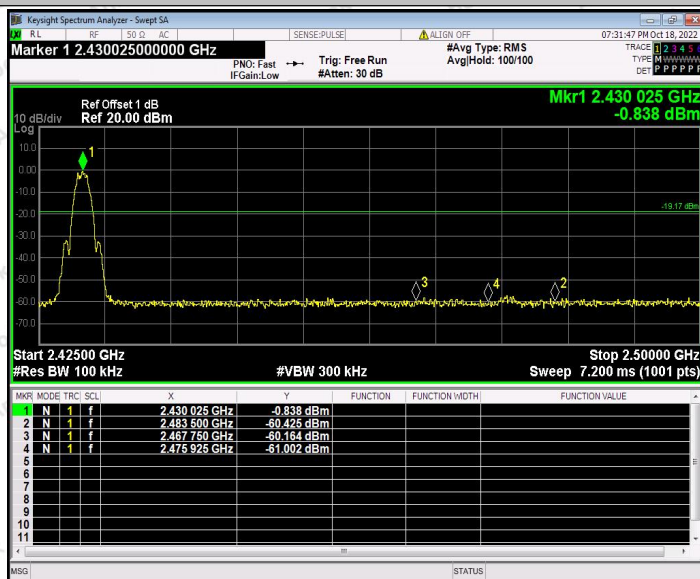


Test Graphs

2.4g_Ant1_Low_2404



2.4g_Ant1_Low_2430



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Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4g	Ant1	2404	Reference	-1.12	-1.12	---	PASS
			30~1000	-1.12	-66.45	≤-21.12	PASS
			1000~26500	-1.12	-27.21	≤-21.12	PASS
		2416	Reference	-2.20	-2.20	---	PASS
			30~1000	-2.20	-65.35	≤-22.2	PASS
			1000~26500	-2.20	-25.92	≤-22.2	PASS
		2430	Reference	-1.82	-1.82	---	PASS
			30~1000	-1.82	-67.12	≤-21.82	PASS
			1000~26500	-1.82	-24.41	≤-21.82	PASS

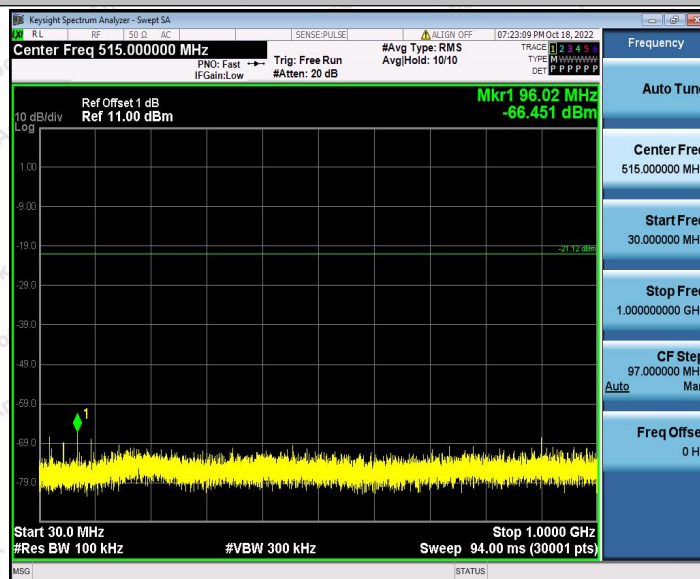


Test Graphs

2.4g_Ant1_2404_0~Reference



2.4g_Ant1_2404_30~1000



2.4g_Ant1_2404_1000~26500

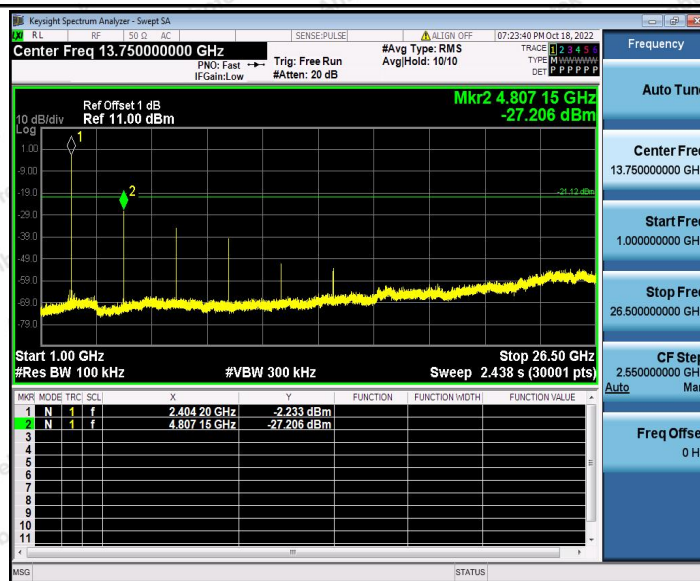
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2.4g_Ant1_2416_0~Reference



2.4g_Ant1_2416_30~1000

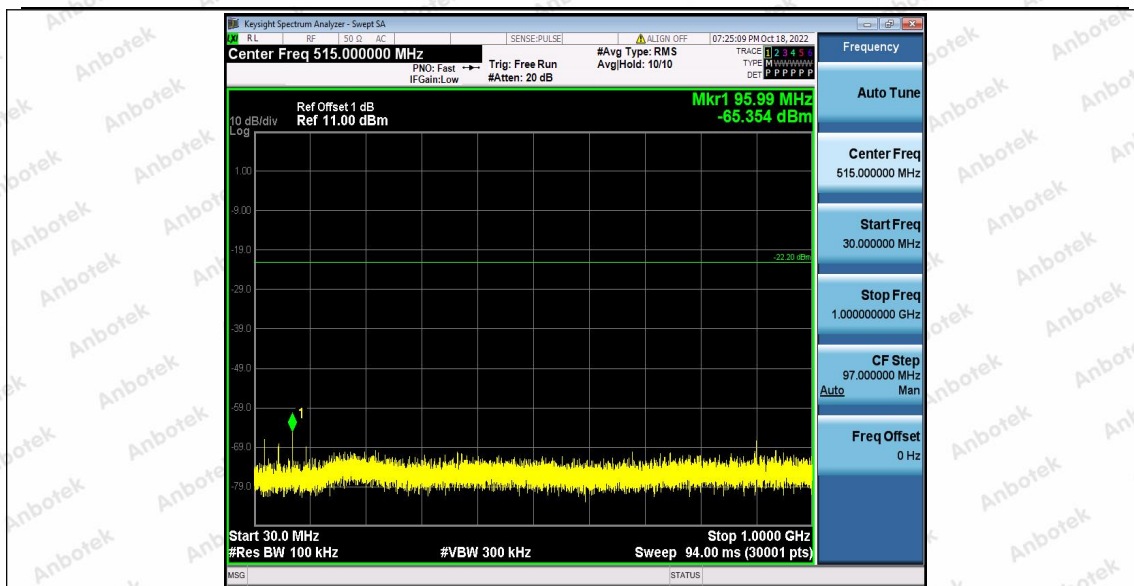
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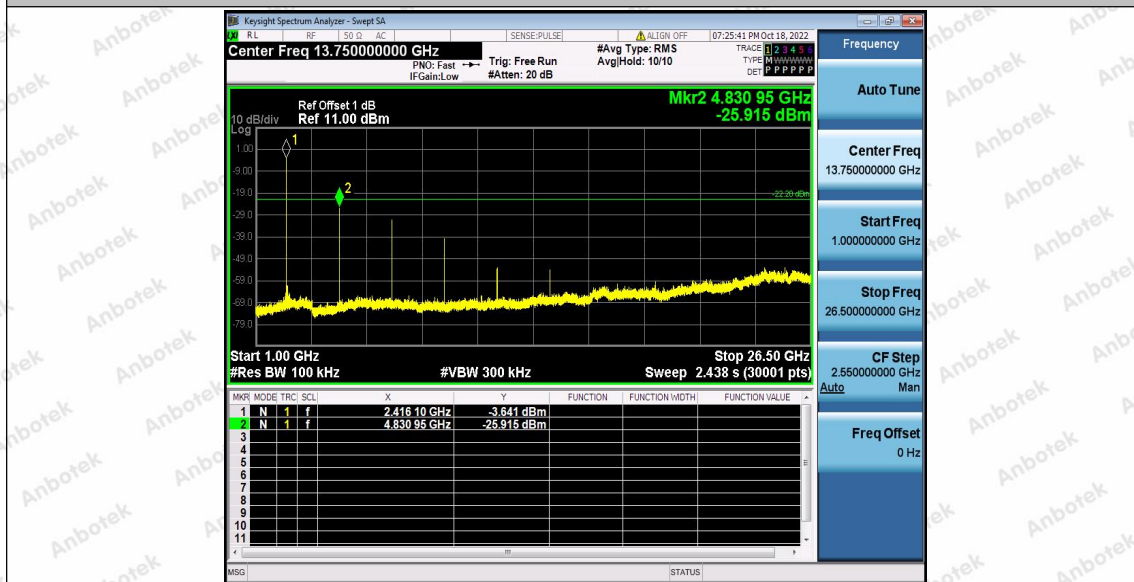


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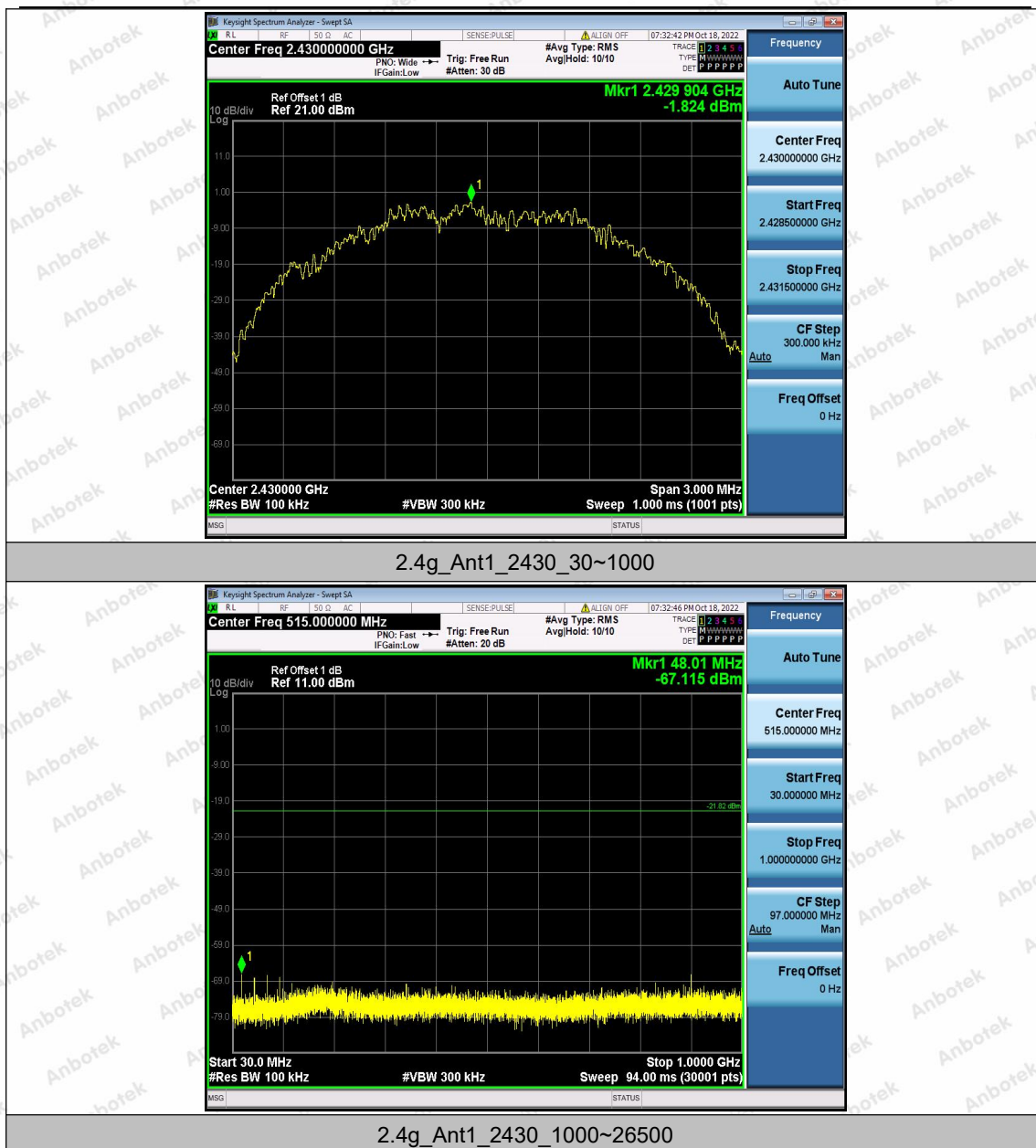


2.4g_Ant1_2416_1000~26500



2.4g_Ant1_2430_0~Reference



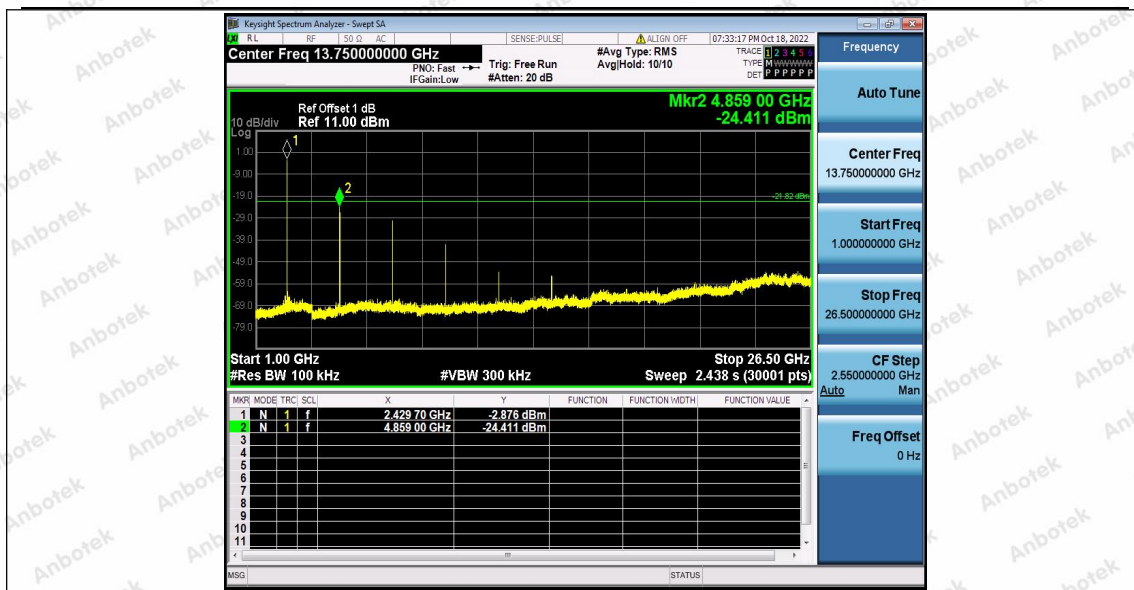
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Appendix G: Duty Cycle

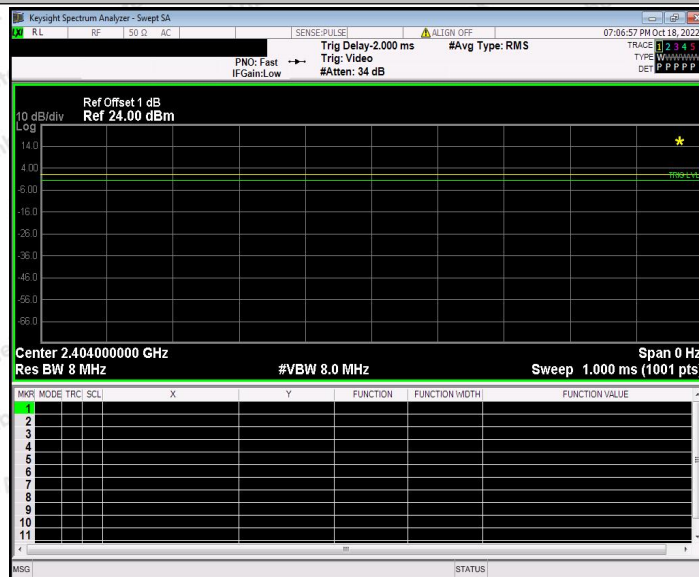
Test Result

TestMode	Antenna	Frequency[MHz]	ON Time[ms]	Period[ms]	Duty Cycle[%]	Duty Cycle Factor[dB]
2.4g	Ant1	2404	1.000	1.000	100	0
2.4g	Ant1	2416	1.000	1.000	100	0
2.4g	Ant1	2430	1.000	1.000	100	0

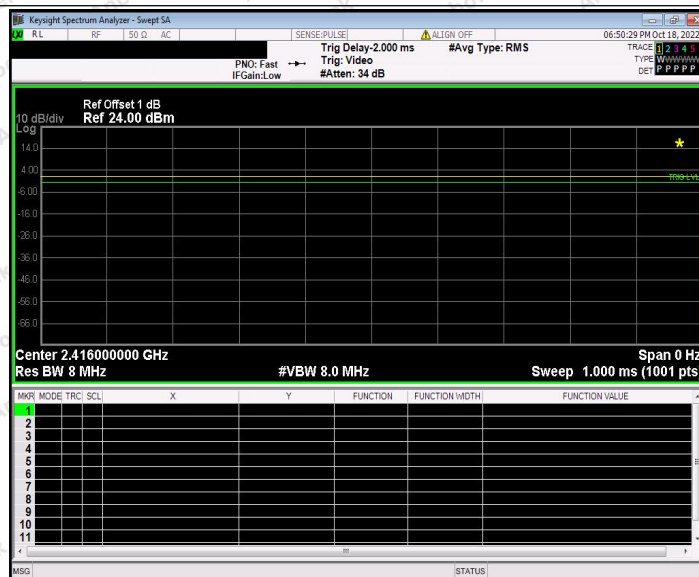


Test Graphs

2.4G_Ant1_2404



2.4G_Ant1_2416



2.4G_Ant1_2430

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Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotech.com



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