

Appendix Test Data

Report No.:	18220WC10168201	Test Date:	2021.8.6
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	Relative Humidity:	56.8 %
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.080	2406.960	2417.040	≥ 0.5	PASS
		2437	10.120	2431.960	2442.080	≥ 0.5	PASS
		2462	10.120	2456.960	2467.080	≥ 0.5	PASS
11G	Ant1	2412	16.440	2403.800	2420.240	≥ 0.5	PASS
		2437	16.400	2428.840	2445.240	≥ 0.5	PASS
		2462	16.400	2453.840	2470.240	≥ 0.5	PASS
11N20	Ant1	2412	17.680	2403.200	2420.880	≥ 0.5	PASS
		2437	17.640	2428.200	2445.840	≥ 0.5	PASS
		2462	17.680	2453.200	2470.880	≥ 0.5	PASS
11N40	Ant1	2422	36.420	2403.820	2440.240	≥ 0.5	PASS
		2437	36.060	2418.820	2454.880	≥ 0.5	PASS
		2452	36.420	2433.820	2470.240	≥ 0.5	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



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11G_Ant1_2462



11N20_Ant1_2412



11N20_Ant1_2437

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11N20_Ant1_2462



11N40_Ant1_2422



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11N40_Ant1_2437



11N40_Ant1_2452



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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	15.421	2404.293	2419.714	---	PASS
		2437	15.393	2429.300	2444.693	---	PASS
		2462	15.356	2454.325	2469.681	---	PASS
11G	Ant1	2412	17.689	2403.182	2420.871	---	PASS
		2437	17.653	2428.183	2445.836	---	PASS
		2462	17.661	2453.169	2470.830	---	PASS
11N20	Ant1	2412	18.750	2402.746	2421.496	---	PASS
		2437	18.659	2427.744	2446.403	---	PASS
		2462	18.603	2452.789	2471.392	---	PASS
11N40	Ant1	2422	36.807	2403.652	2440.459	---	PASS
		2437	36.794	2418.629	2455.423	---	PASS
		2452	36.760	2433.627	2470.387	---	PASS

Test Graphs

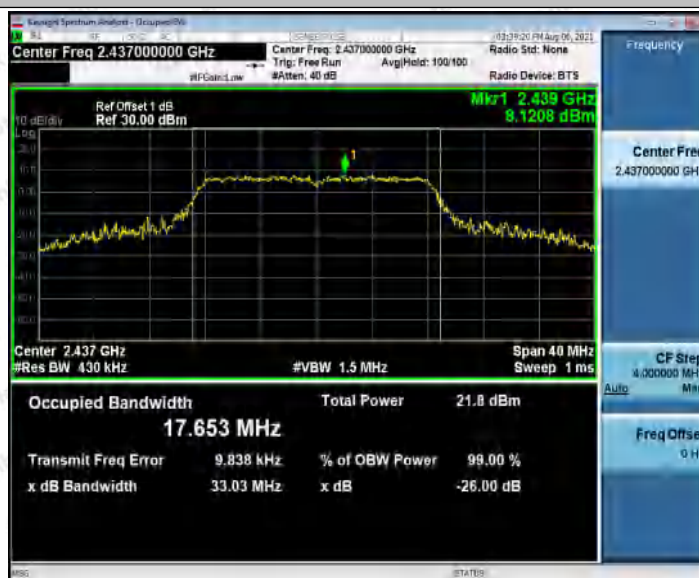
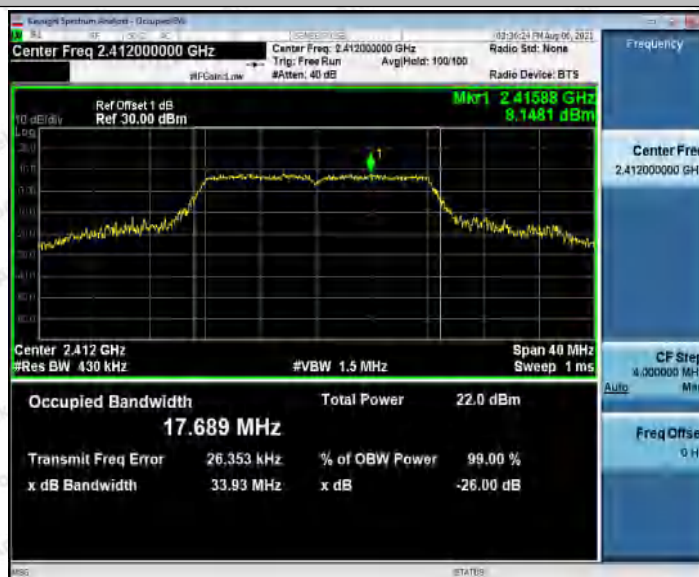
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11B_Ant1_2437



11B_Ant1_2462



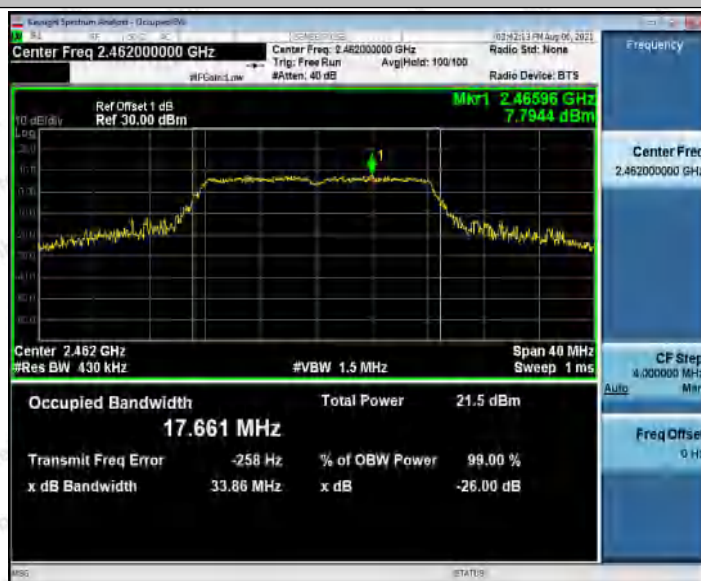
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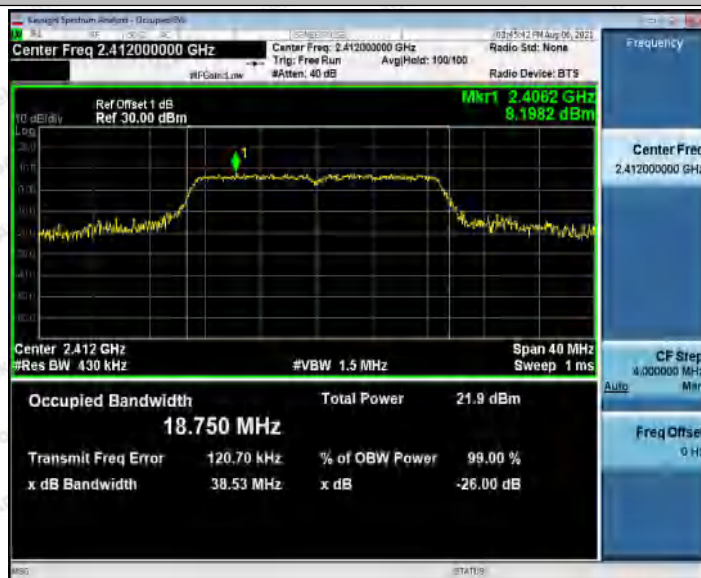
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11G_Ant1_2462



11N20_Ant1_2412



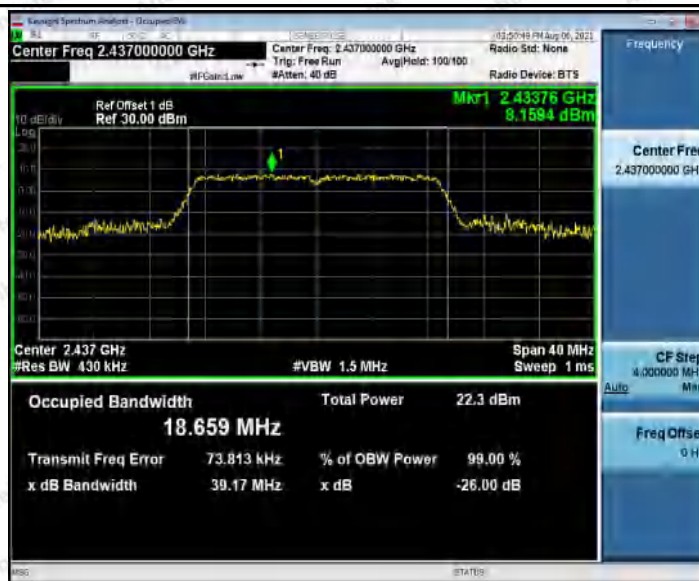
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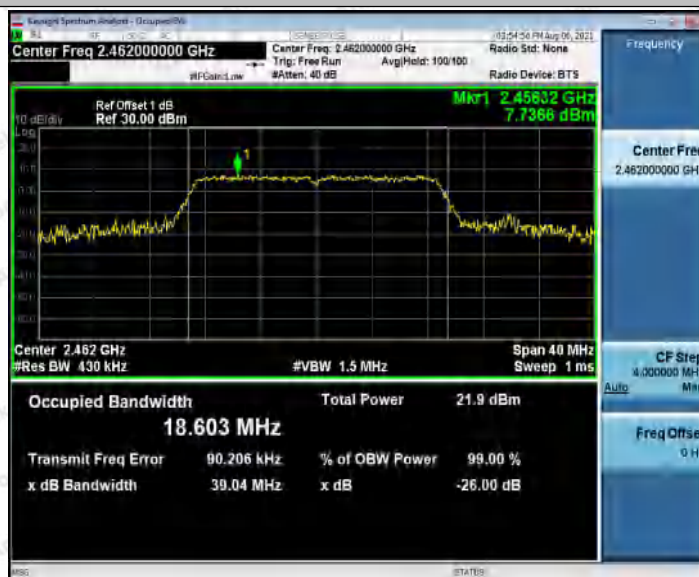
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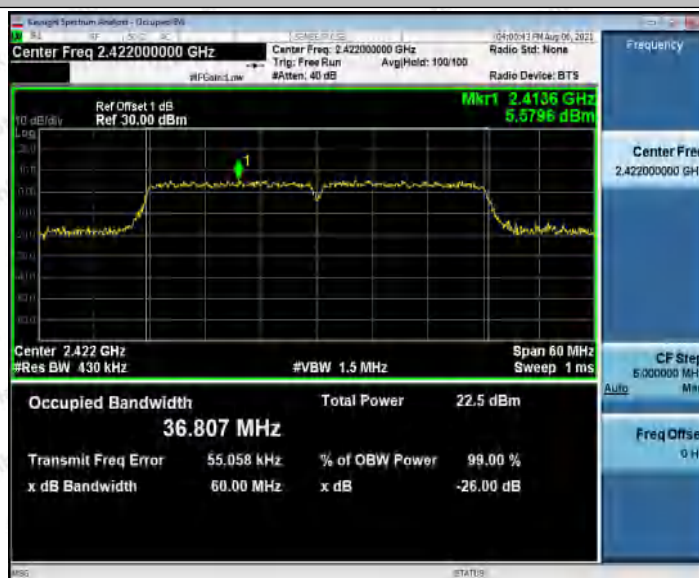
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11N20_Ant1_2462



11N40_Ant1_2422



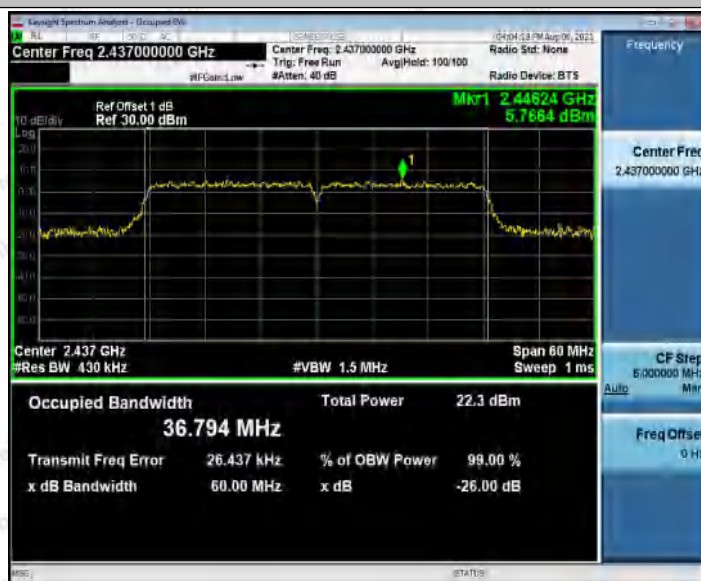
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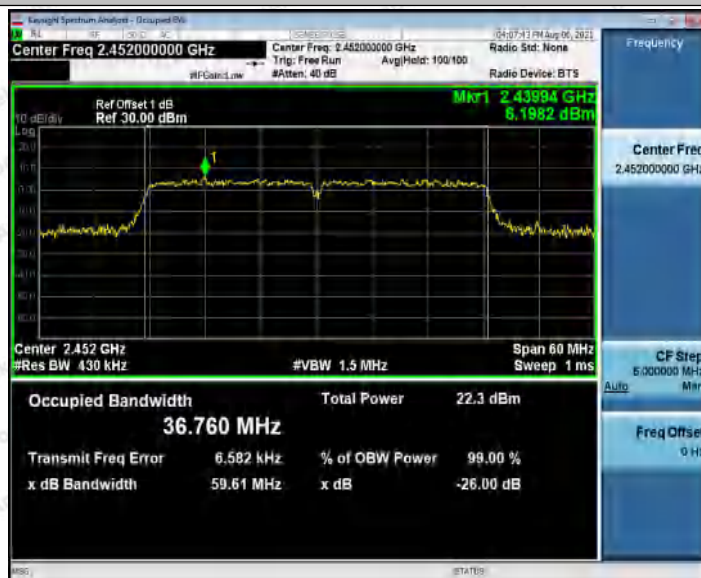
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11N40_Ant1_2437



11N40_Ant1_2452



Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	18.14	<=30	PASS
		2437	17.87	<=30	PASS
		2462	17.52	<=30	PASS
11G	Ant1	2412	23.10	<=30	PASS
		2437	22.88	<=30	PASS
		2462	22.65	<=30	PASS
11N20	Ant1	2412	23.03	<=30	PASS
		2437	23.35	<=30	PASS
		2462	23.02	<=30	PASS
11N40	Ant1	2422	21.08	<=30	PASS
		2437	20.95	<=30	PASS
		2452	20.80	<=30	PASS

Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Test Result[dBm/10kHz]	Final Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-5	-10.23	≤ 8	PASS
		2437	-5.23	-10.46	≤ 8	PASS
		2462	-5.58	-10.81	≤ 8	PASS
11G	Ant1	2412	-5.05	-10.28	≤ 8	PASS
		2437	-5.91	-11.14	≤ 8	PASS
		2462	-5	-10.23	≤ 8	PASS
11N20	Ant1	2412	-4.87	-10.10	≤ 8	PASS
		2437	-4.89	-10.12	≤ 8	PASS
		2462	-4.91	-10.14	≤ 8	PASS
11N40	Ant1	2422	-6.63	-11.86	≤ 8	PASS
		2437	-7.17	-12.40	≤ 8	PASS
		2452	-7.2	-12.43	≤ 8	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462

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11G_Ant1_2412



11G_Ant1_2437



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11G_Ant1_2462



11N20_Ant1_2412



11N20_Ant1_2437

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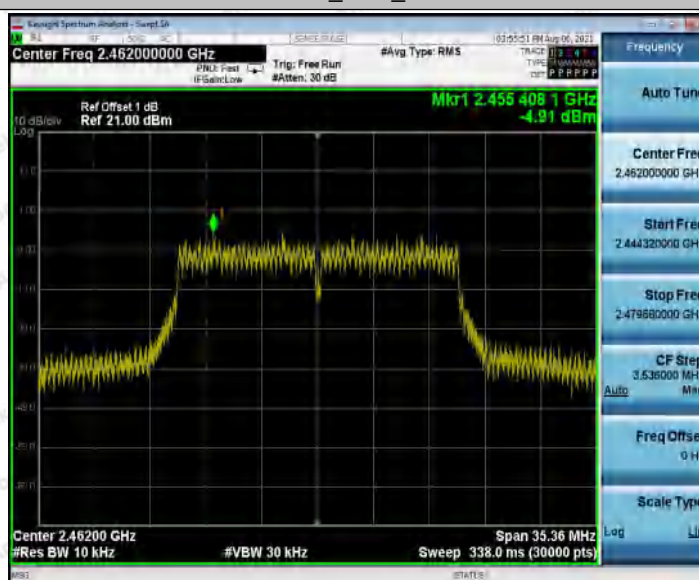
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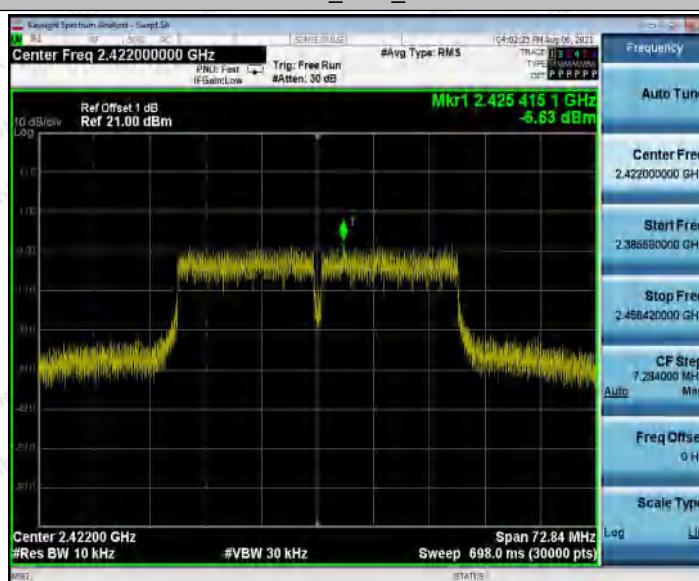
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11N20_Ant1_2462



11N40_Ant1_2422



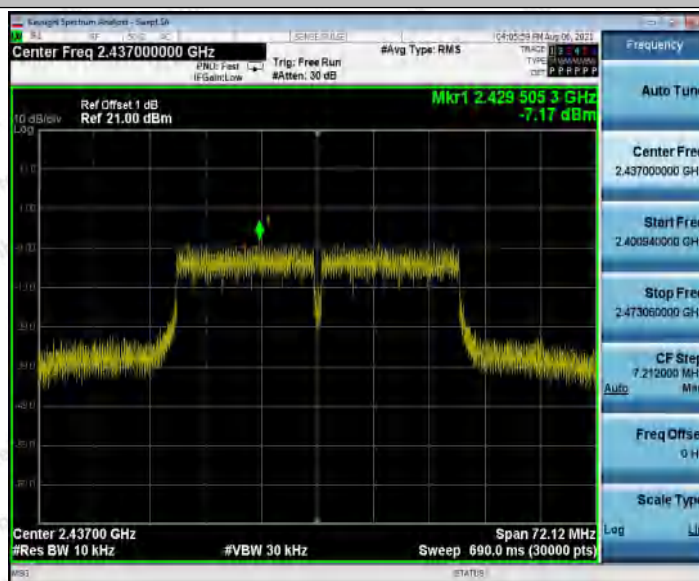
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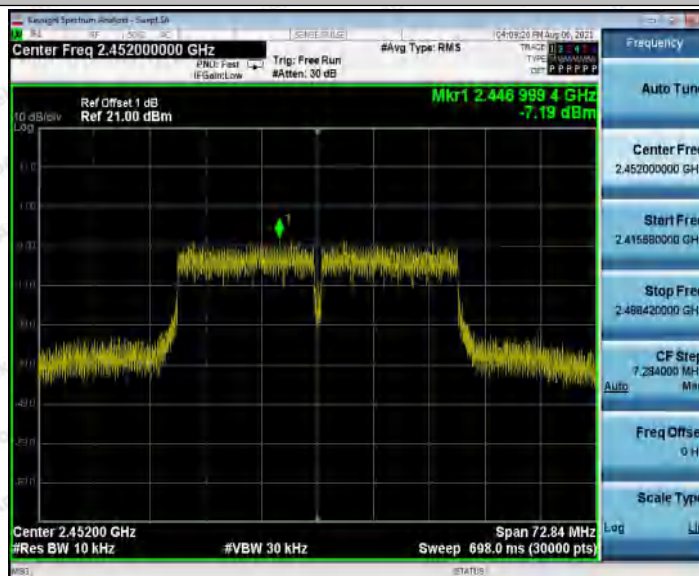
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11N40_Ant1_2437



11N40_Ant1_2452



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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	5.28	-24.76	<=-14.72	PASS
		High	2462	4.71	-48.07	<=-15.29	PASS
11G	Ant1	Low	2412	4.59	-20.91	<=-15.41	PASS
		High	2462	4.31	-32.8	<=-15.69	PASS
11N20	Ant1	Low	2412	4.61	-22.35	<=-15.4	PASS
		High	2462	4.34	-30.69	<=-15.66	PASS
11N40	Ant1	Low	2422	2.39	-21.32	<=-17.61	PASS
		High	2452	2.44	-24.13	<=-17.56	PASS

Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412



11G_Ant1_High_2462



11N20_Ant1_Low_2412



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11N20_Ant1_High_2462



11N40_Ant1_Low_2422



11N40_Ant1_High_2452

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Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	5.26	5.26	---	PASS
			30~1000	5.26	-67.81	<=-14.74	PASS
			1000~26500	5.26	-53.41	<=-14.74	PASS
		2437	Reference	4.99	4.99	---	PASS
			30~1000	4.99	-68.05	<=-15.01	PASS
			1000~26500	4.99	-52.1	<=-15.01	PASS
		2462	Reference	4.70	4.70	---	PASS
			30~1000	4.70	-67.84	<=-15.3	PASS
			1000~26500	4.70	-53	<=-15.3	PASS
11G	Ant1	2412	Reference	4.84	4.84	---	PASS
			30~1000	4.84	-67.63	<=-15.16	PASS
			1000~26500	4.84	-53.8	<=-15.16	PASS
		2437	Reference	4.46	4.46	---	PASS
			30~1000	4.46	-68.13	<=-15.54	PASS
			1000~26500	4.46	-53.64	<=-15.54	PASS
		2462	Reference	4.28	4.28	---	PASS
			30~1000	4.28	-67.26	<=-15.72	PASS
			1000~26500	4.28	-53.19	<=-15.72	PASS
11N20	Ant1	2412	Reference	4.30	4.30	---	PASS
			30~1000	4.30	-67.05	<=-15.7	PASS
			1000~26500	4.30	-53.54	<=-15.7	PASS
		2437	Reference	4.54	4.54	---	PASS
			30~1000	4.54	-66.78	<=-15.46	PASS
			1000~26500	4.54	-53.68	<=-15.46	PASS
		2462	Reference	4.34	4.34	---	PASS
			30~1000	4.34	-67.71	<=-15.66	PASS
			1000~26500	4.34	-53.66	<=-15.66	PASS
11N40	Ant1	2422	Reference	2.33	2.33	---	PASS
			30~1000	2.33	-67.89	<=-17.67	PASS
			1000~26500	2.33	-53.43	<=-17.67	PASS
		2437	Reference	2.26	2.26	---	PASS
			30~1000	2.26	-67.25	<=-17.74	PASS
			1000~26500	2.26	-53.29	<=-17.74	PASS
		2452	Reference	2.09	2.09	---	PASS
			30~1000	2.09	-68.03	<=-17.91	PASS
			1000~26500	2.09	-53.26	<=-17.91	PASS

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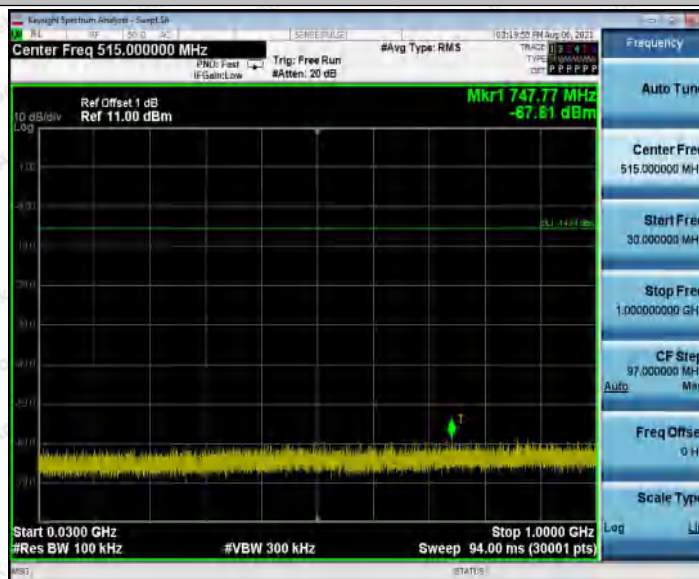
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Test Graphs

11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



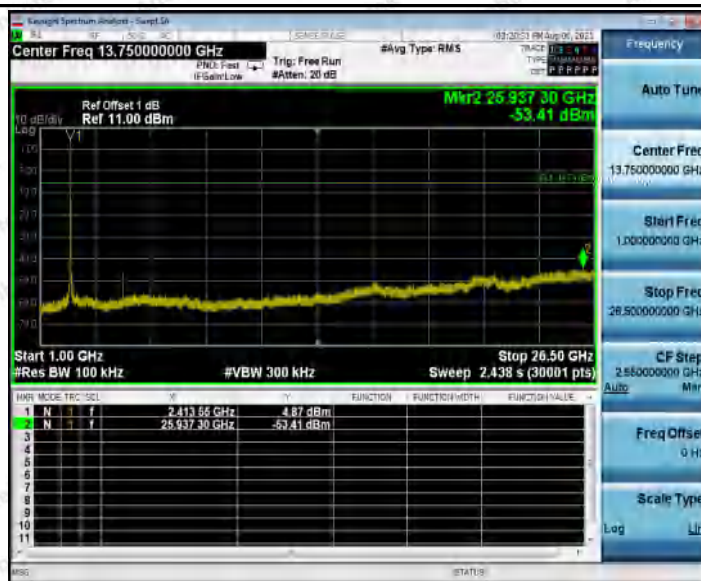
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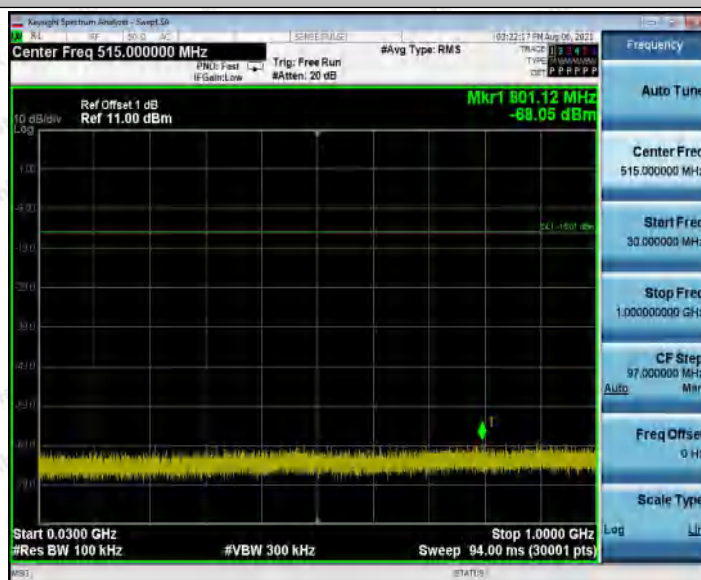
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11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



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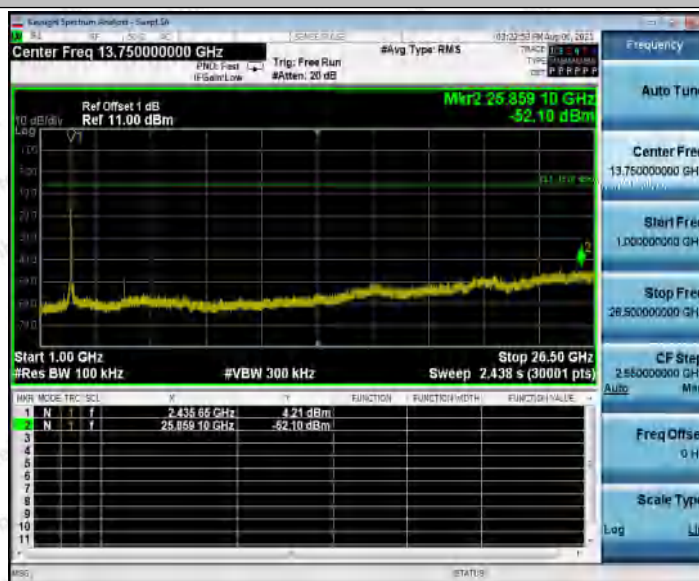


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11B_Ant1_2437_1000~26500



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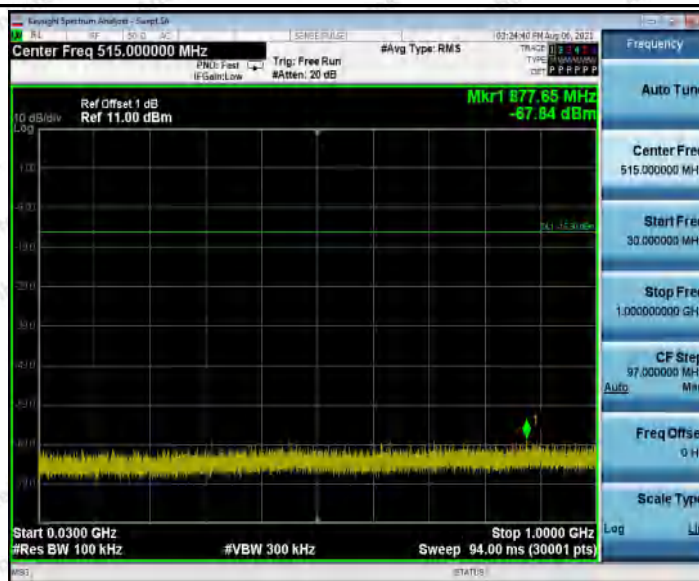
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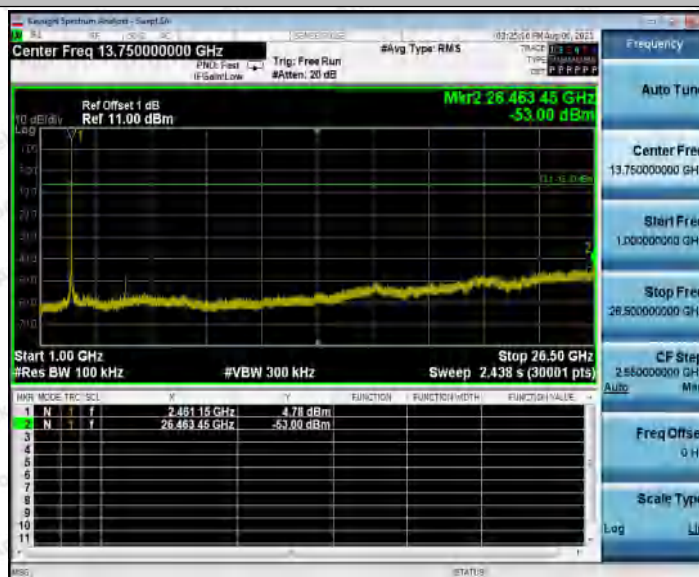
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11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference



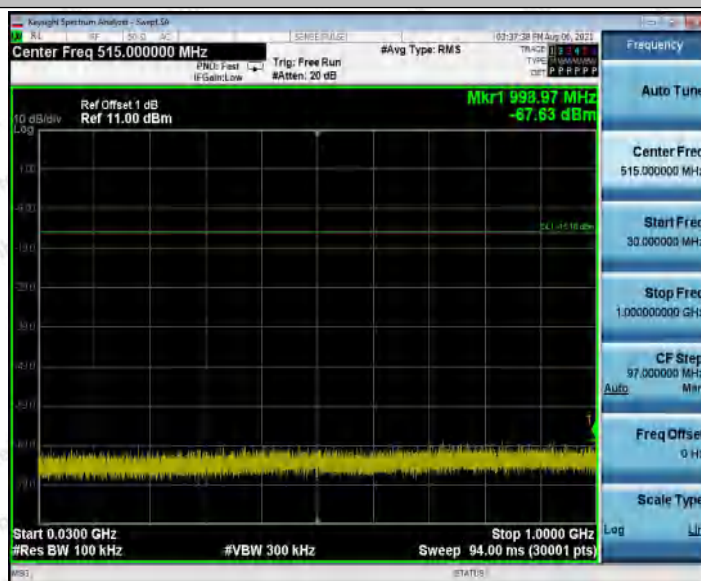
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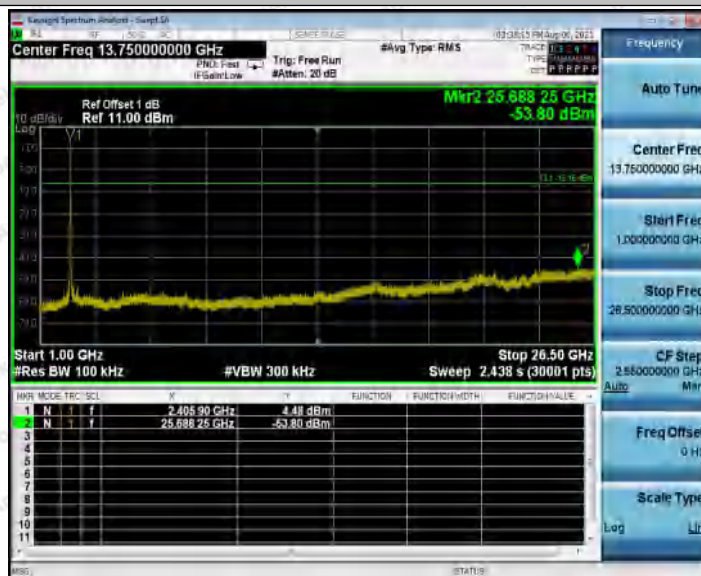
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11G_Ant1_2412_30~1000



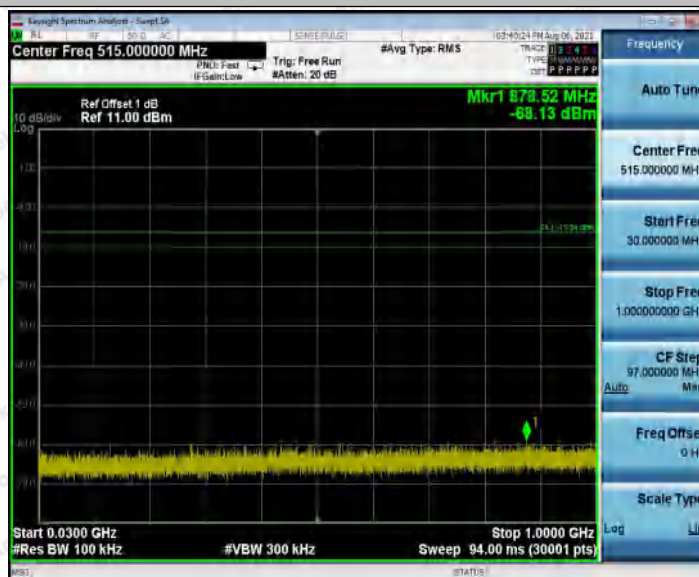
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11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500



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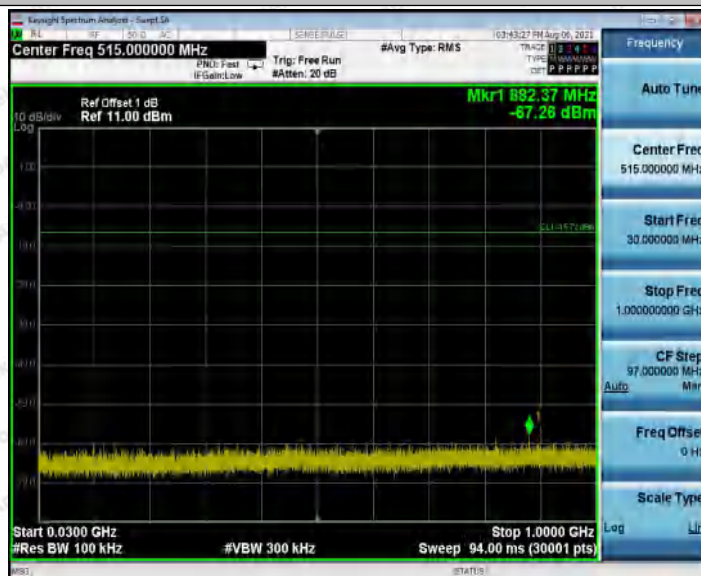
400-003-0500

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11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



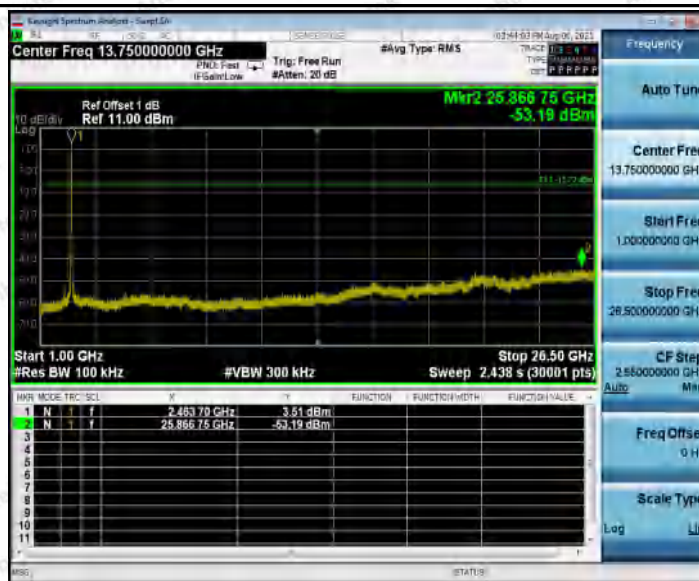
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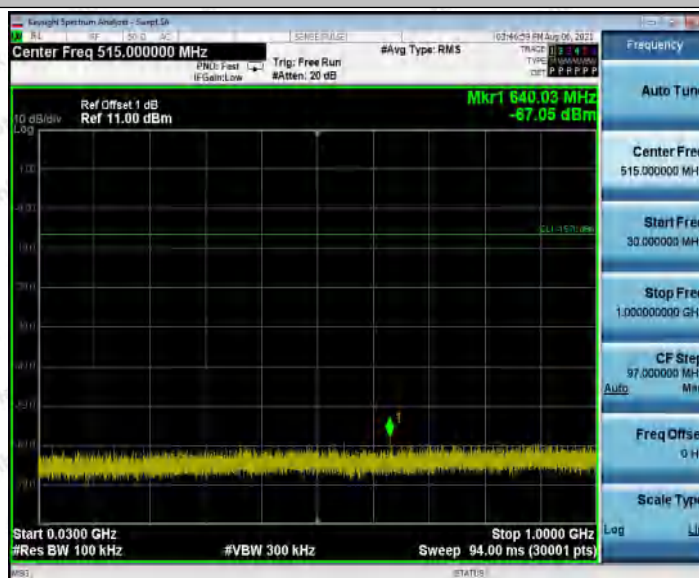
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11N20_Ant1_2412_30~1000



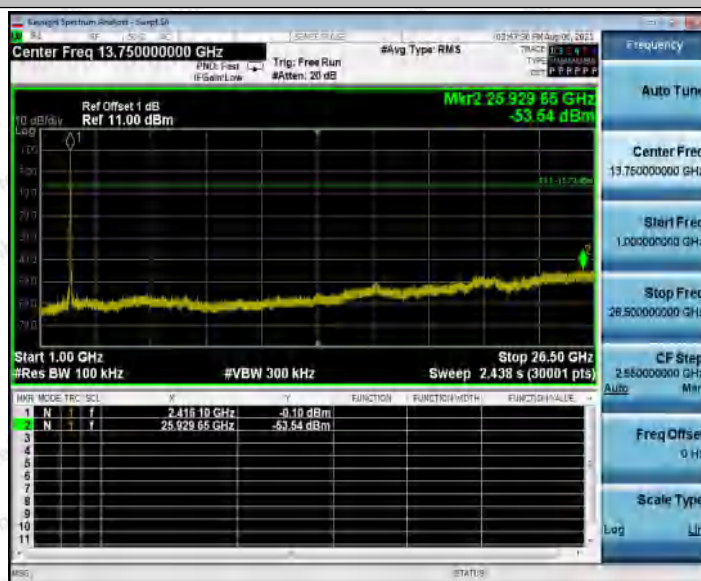
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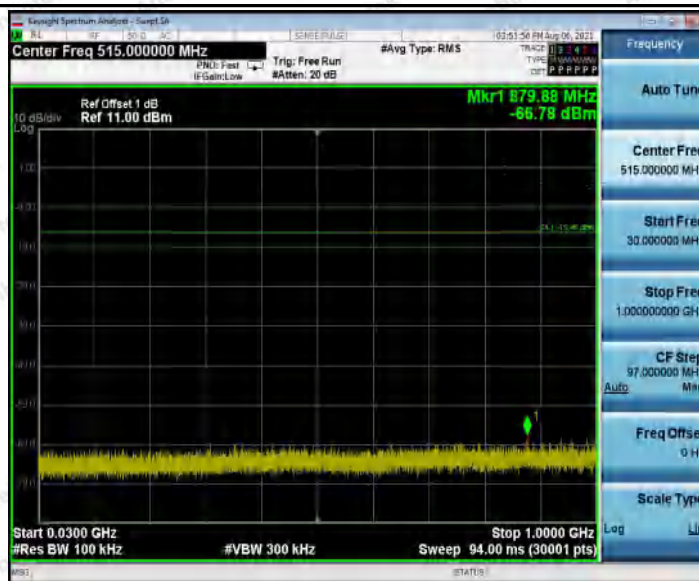
11N20_Ant1_2412_1000~26500



11N20_Ant1_2437_0~Reference



11N20_Ant1_2437_30~1000



11N20_Ant1_2437_1000~26500



11N20_Ant1_2462_0~Reference



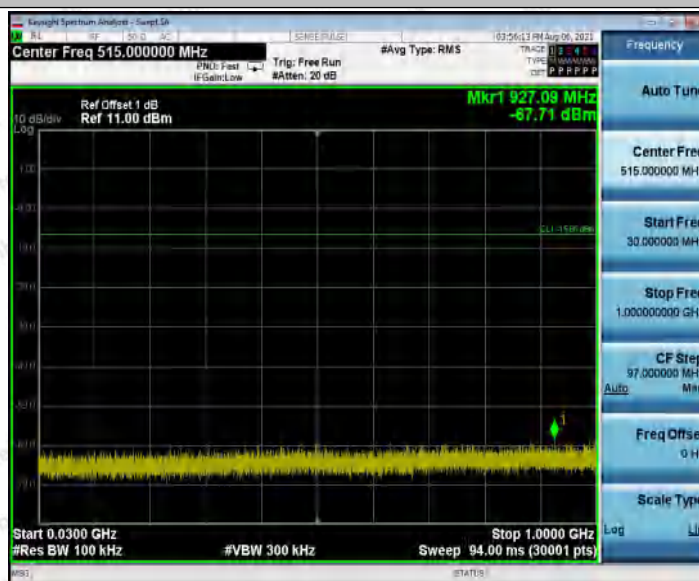
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11N20_Ant1_2462_30~1000



11N20_Ant1_2462_1000~26500



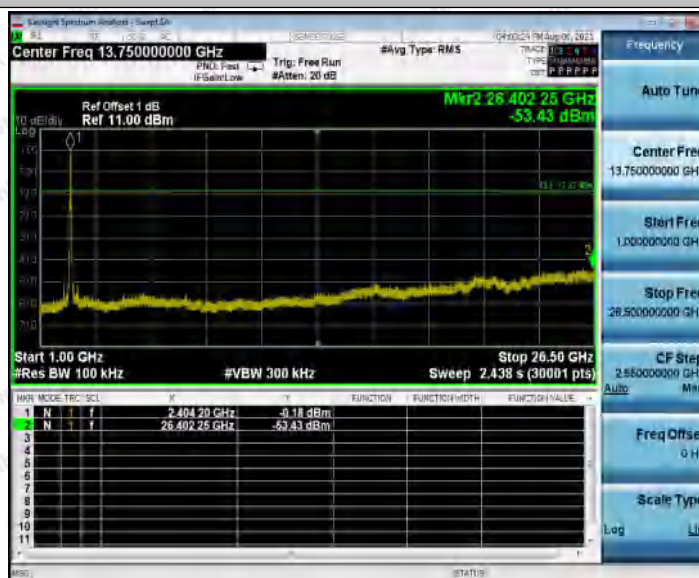
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11N40_Ant1_2422_1000~26500



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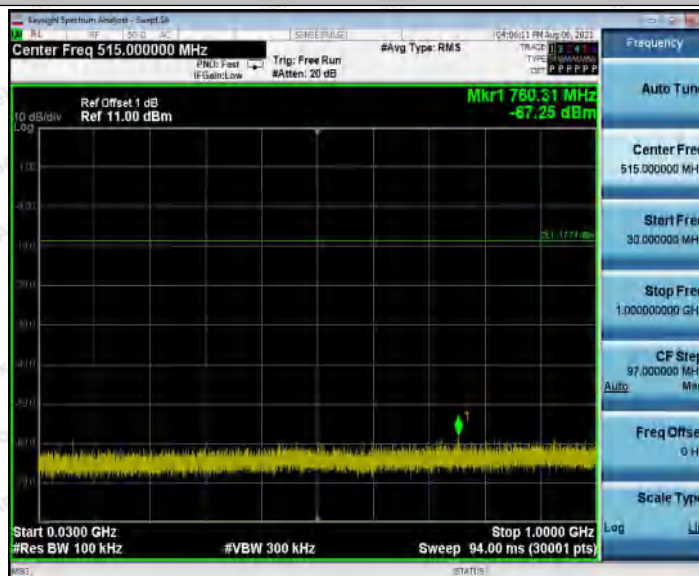
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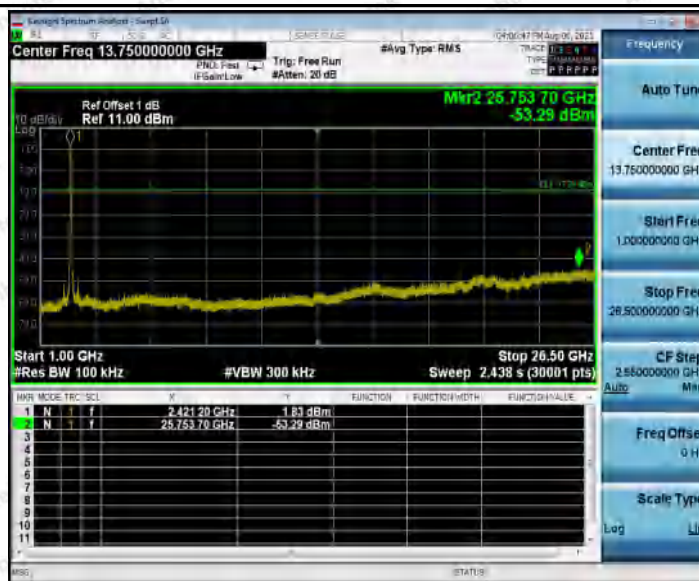
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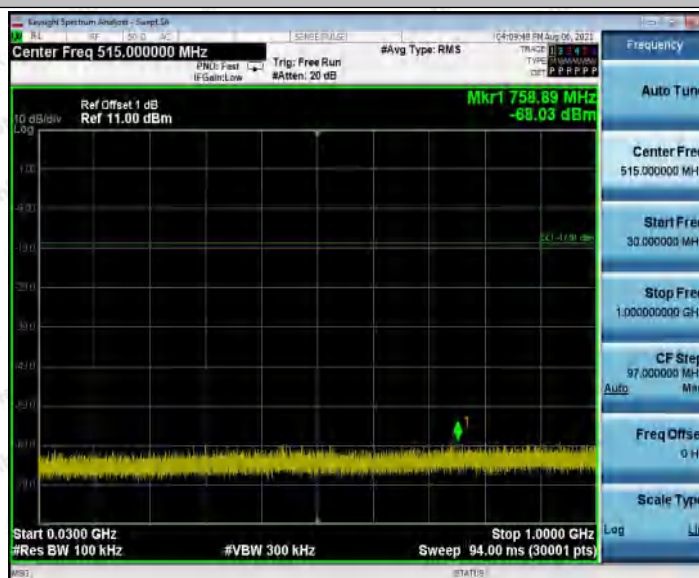
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11N40_Ant1_2452_0~Reference



11N40_Ant1_2452_30~1000

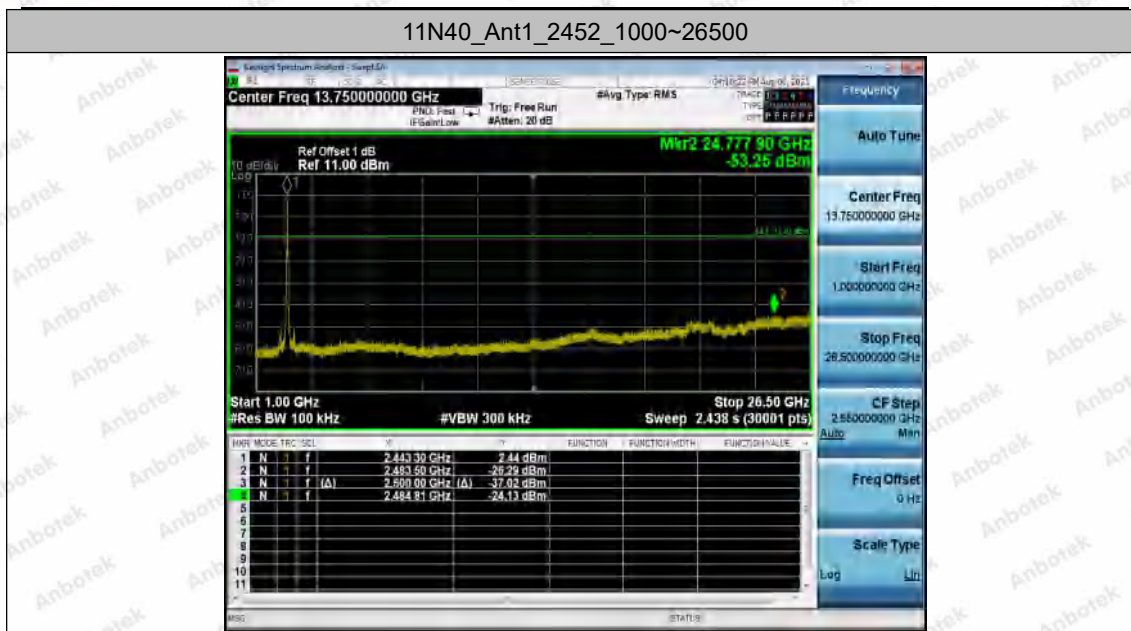


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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	8.38	8.45	99.17	---	PASS
		2437	8.38	8.45	99.17	---	PASS
		2462	8.38	8.45	99.17	---	PASS
11G	Ant1	2412	1.39	1.46	95.21	---	PASS
		2437	1.39	1.46	95.21	---	PASS
		2462	1.39	1.46	95.21	---	PASS
11N20	Ant1	2412	5.08	5.15	98.64	---	PASS
		2437	5.08	5.15	98.64	---	PASS
		2462	5.08	5.15	98.64	---	PASS
11N40	Ant1	2422	2.46	2.54	96.85	---	PASS
		2437	2.46	2.53	97.23	---	PASS
		2452	2.47	2.54	97.24	---	PASS

Test Graphs

11B_Ant1_2412



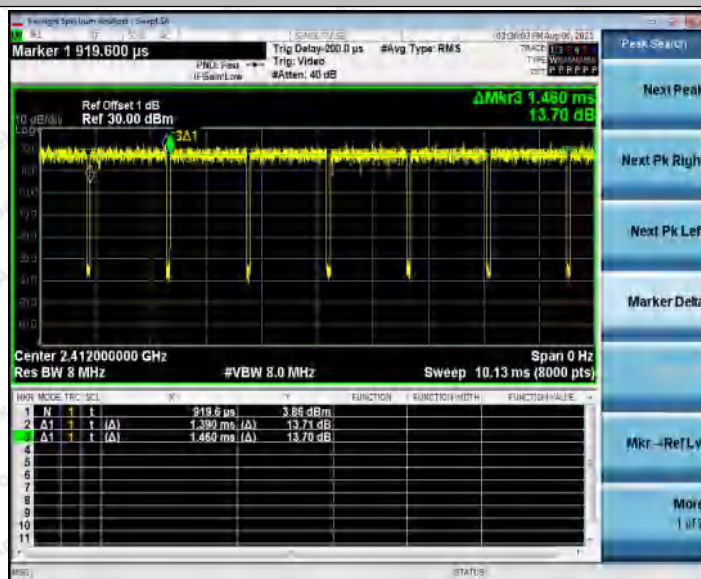
11B_Ant1_2437



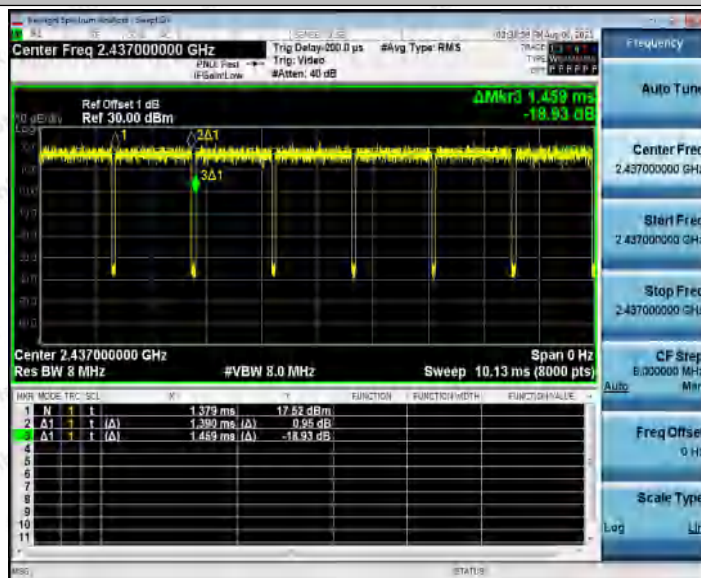
11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



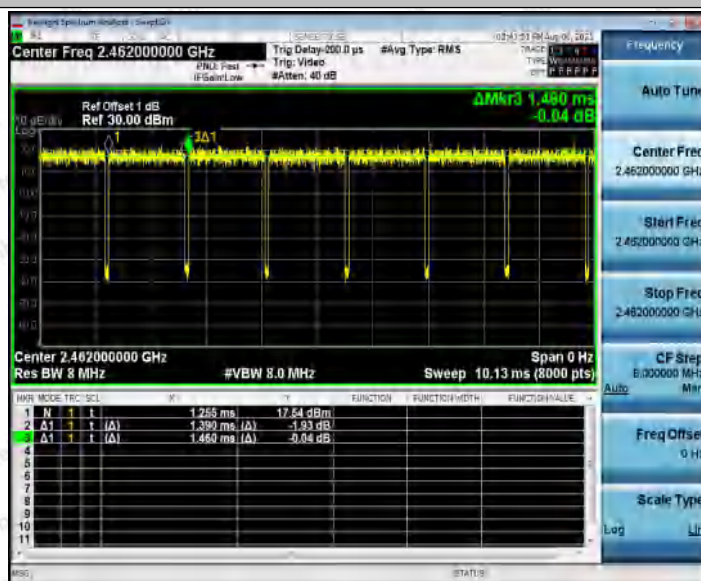
Shenzhen Anbotech Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

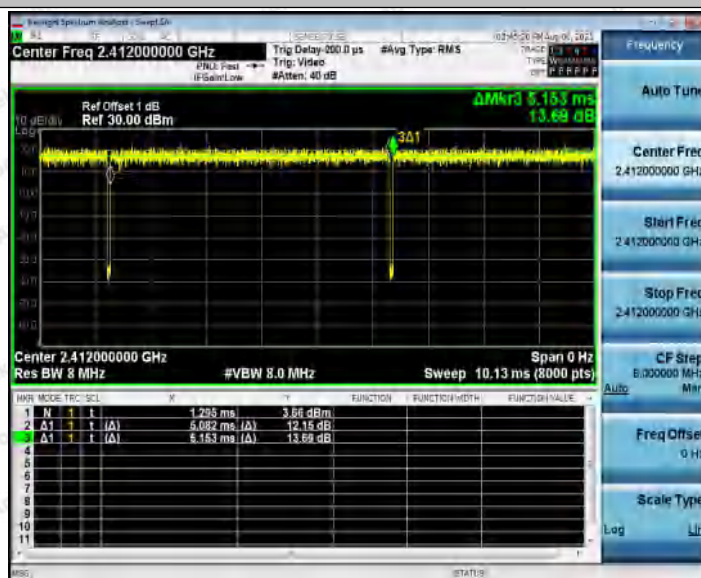
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11G_Ant1_2462



11N20_Ant1_2412



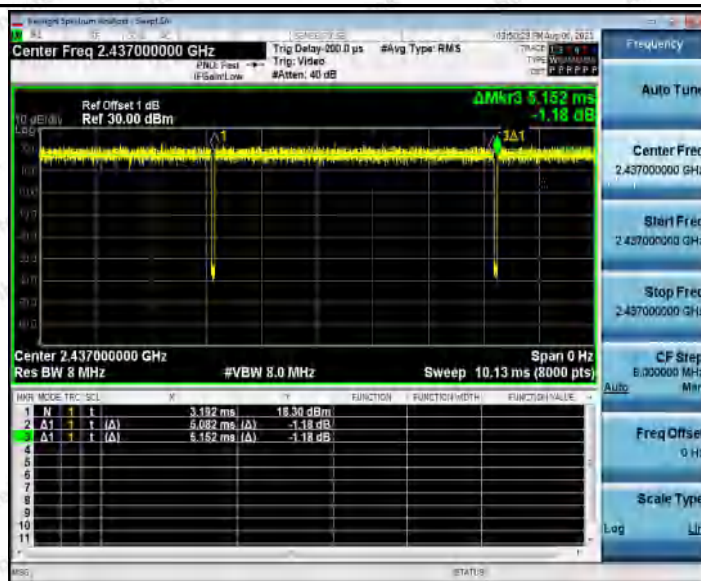
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Shenzhen Anbotech Compliance Laboratory Limited

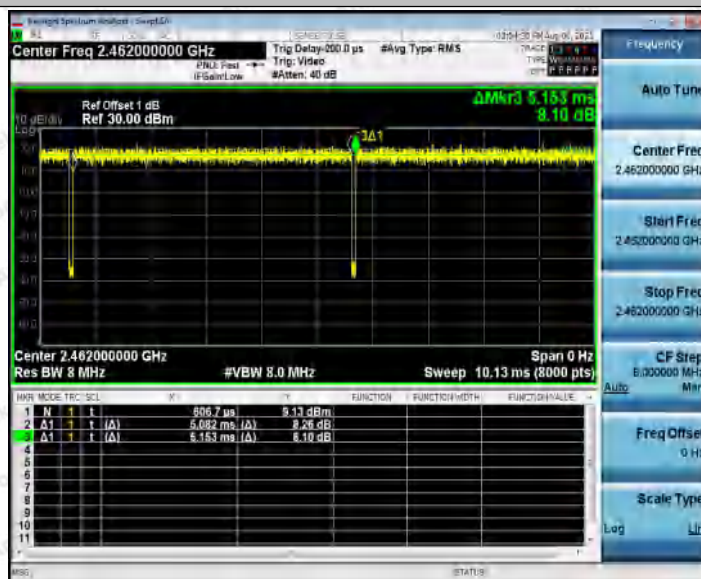
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotech.com

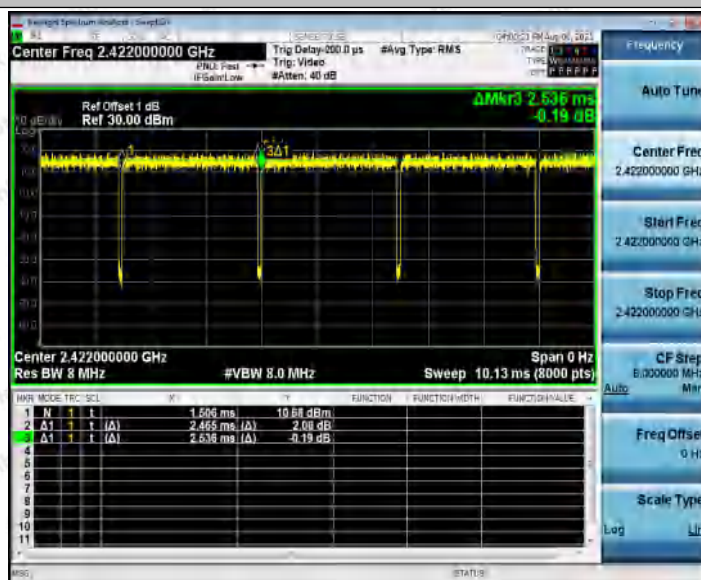
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11N20_Ant1_2462



11N40_Ant1_2422



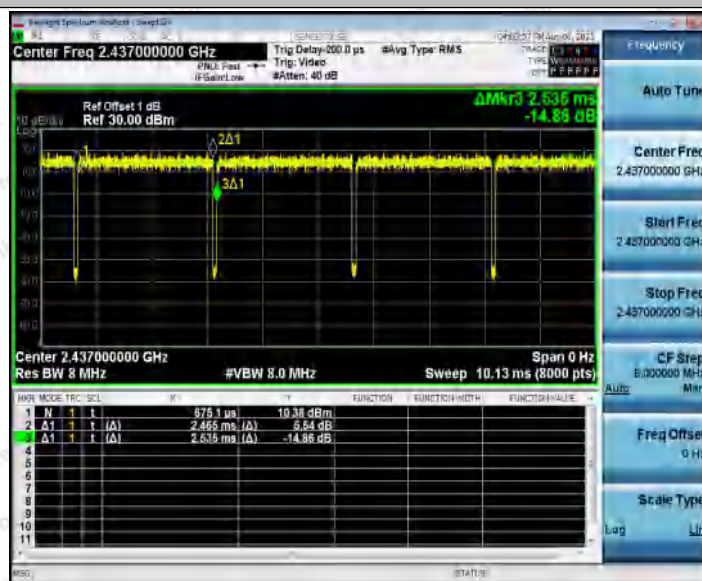
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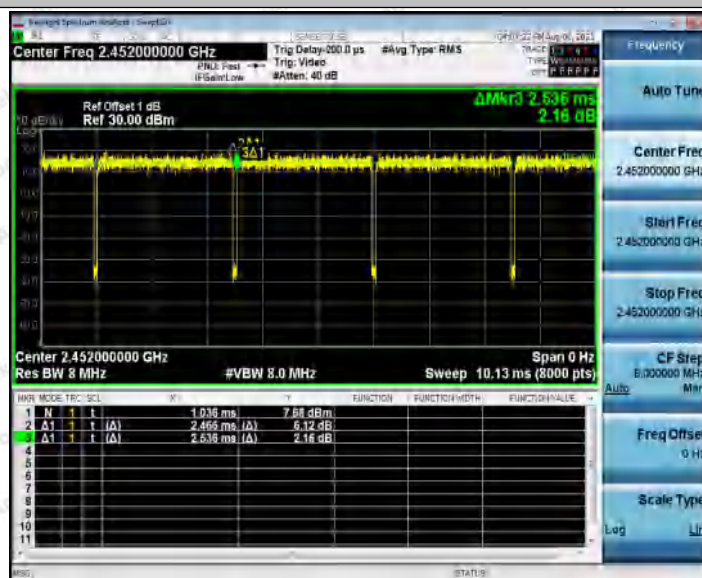
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11N40_Ant1_2437



11N40_Ant1_2452



---End---