

Appendix for WLAN 2.4G

Model: LGE-NX9

BTL-FCCP-10-2203G019

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1. APPENDIX A: DTS BANDWIDTH

1.1 TEST RESULT

1.1.1 FULL RU FOR 11AX MODE

Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	Limit [MHz]	Verdict
11B	Ant1	2412	8.08	0.5	PASS
	Ant2	2412	7.56	0.5	PASS
	Ant1	2437	8.04	0.5	PASS
	Ant2	2437	8.08	0.5	PASS
	Ant1	2462	8.04	0.5	PASS
	Ant2	2462	8.04	0.5	PASS
11G	Ant1	2412	16.32	0.5	PASS
	Ant2	2412	16.04	0.5	PASS
	Ant1	2417	16.32	0.5	PASS
	Ant2	2417	16.32	0.5	PASS
	Ant1	2422	16.32	0.5	PASS
	Ant2	2422	16.28	0.5	PASS
	Ant1	2437	16.28	0.5	PASS
	Ant2	2437	16.28	0.5	PASS
	Ant1	2452	16.28	0.5	PASS
	Ant2	2452	16.28	0.5	PASS
	Ant1	2457	16.28	0.5	PASS
	Ant2	2457	16.04	0.5	PASS
	Ant1	2462	16.28	0.5	PASS
	Ant2	2462	16.28	0.5	PASS
11N20SISO	Ant1	2412	17.32	0.5	PASS
	Ant2	2412	17.20	0.5	PASS
	Ant1	2417	17.32	0.5	PASS
	Ant2	2417	17.56	0.5	PASS
	Ant1	2422	17.56	0.5	PASS
	Ant2	2422	17.56	0.5	PASS
	Ant1	2437	17.08	0.5	PASS
	Ant2	2437	17.08	0.5	PASS
	Ant1	2452	17.08	0.5	PASS
	Ant2	2452	17.28	0.5	PASS
	Ant1	2457	17.56	0.5	PASS
	Ant2	2457	17.20	0.5	PASS
	Ant1	2462	17.56	0.5	PASS
	Ant2	2462	17.56	0.5	PASS
11N40SISO	Ant1	2422	36.32	0.5	PASS
	Ant2	2422	35.76	0.5	PASS
	Ant1	2427	35.76	0.5	PASS
	Ant2	2427	36.32	0.5	PASS
	Ant1	2437	35.68	0.5	PASS
	Ant2	2437	36.00	0.5	PASS
	Ant1	2447	35.28	0.5	PASS
	Ant2	2447	36.32	0.5	PASS
	Ant1	2452	35.36	0.5	PASS
	Ant2	2452	35.68	0.5	PASS

Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	Limit [MHz]	Verdict
11AX20SISO	Ant1	2412	18.68	0.5	PASS
	Ant2	2412	18.28	0.5	PASS
	Ant1	2417	18.76	0.5	PASS
	Ant2	2417	18.72	0.5	PASS
	Ant1	2422	18.88	0.5	PASS
	Ant2	2422	18.36	0.5	PASS
	Ant1	2437	18.48	0.5	PASS
	Ant2	2437	18.68	0.5	PASS
	Ant1	2452	18.64	0.5	PASS
	Ant2	2452	18.04	0.5	PASS
	Ant1	2457	18.76	0.5	PASS
	Ant2	2457	18.40	0.5	PASS
	Ant1	2462	18.68	0.5	PASS
	Ant2	2462	18.60	0.5	PASS
11AX40SISO	Ant1	2422	37.60	0.5	PASS
	Ant2	2422	37.52	0.5	PASS
	Ant1	2427	37.04	0.5	PASS
	Ant2	2427	37.36	0.5	PASS
	Ant1	2437	37.68	0.5	PASS
	Ant2	2437	36.56	0.5	PASS
	Ant1	2447	37.60	0.5	PASS
	Ant2	2447	37.36	0.5	PASS
	Ant1	2452	36.88	0.5	PASS
	Ant2	2452	35.92	0.5	PASS
11B-CDD	Ant1	2412	7.56	0.5	PASS
	Ant2	2412	8.08	0.5	PASS
	Ant1	2437	8.00	0.5	PASS
	Ant2	2437	8.04	0.5	PASS
	Ant1	2462	8.08	0.5	PASS
	Ant2	2462	8.08	0.5	PASS
11G-CDD	Ant1	2412	16.32	0.5	PASS
	Ant2	2412	16.32	0.5	PASS
	Ant1	2417	16.04	0.5	PASS
	Ant2	2417	16.08	0.5	PASS
	Ant1	2422	16.04	0.5	PASS
	Ant2	2422	16.28	0.5	PASS
	Ant1	2437	16.28	0.5	PASS
	Ant2	2437	16.32	0.5	PASS
	Ant1	2452	16.28	0.5	PASS
	Ant2	2452	16.32	0.5	PASS
	Ant1	2457	16.28	0.5	PASS
	Ant2	2457	16.36	0.5	PASS
	Ant1	2462	16.28	0.5	PASS
	Ant2	2462	16.32	0.5	PASS

Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	Limit [MHz]	Verdict
11N20MIMO	Ant1	2412	16.20	0.5	PASS
	Ant2	2412	15.32	0.5	PASS
	Ant1	2417	15.64	0.5	PASS
	Ant2	2417	17.24	0.5	PASS
	Ant1	2422	15.60	0.5	PASS
	Ant2	2422	15.36	0.5	PASS
	Ant1	2437	16.56	0.5	PASS
	Ant2	2437	16.56	0.5	PASS
	Ant1	2452	16.60	0.5	PASS
	Ant2	2452	16.60	0.5	PASS
	Ant1	2457	16.04	0.5	PASS
	Ant2	2457	16.04	0.5	PASS
	Ant1	2462	15.64	0.5	PASS
	Ant2	2462	16.60	0.5	PASS
11N40MIMO	Ant1	2422	35.28	0.5	PASS
	Ant2	2422	35.60	0.5	PASS
	Ant1	2427	35.20	0.5	PASS
	Ant2	2427	35.20	0.5	PASS
	Ant1	2437	35.20	0.5	PASS
	Ant2	2437	35.28	0.5	PASS
	Ant1	2447	35.76	0.5	PASS
	Ant2	2447	35.68	0.5	PASS
	Ant1	2452	35.28	0.5	PASS
	Ant2	2452	35.20	0.5	PASS
11AX20MIMO	Ant1	2412	18.72	0.5	PASS
	Ant2	2412	18.76	0.5	PASS
	Ant1	2417	18.92	0.5	PASS
	Ant2	2417	18.84	0.5	PASS
	Ant1	2422	18.80	0.5	PASS
	Ant2	2422	18.88	0.5	PASS
	Ant1	2437	18.76	0.5	PASS
	Ant2	2437	18.96	0.5	PASS
	Ant1	2452	18.88	0.5	PASS
	Ant2	2452	18.76	0.5	PASS
	Ant1	2457	18.84	0.5	PASS
	Ant2	2457	18.84	0.5	PASS
	Ant1	2462	18.88	0.5	PASS
	Ant2	2462	18.88	0.5	PASS
11AX40MIMO	Ant1	2422	37.12	0.5	PASS
	Ant2	2422	37.68	0.5	PASS
	Ant1	2427	37.36	0.5	PASS
	Ant2	2427	37.36	0.5	PASS
	Ant1	2437	37.52	0.5	PASS
	Ant2	2437	37.44	0.5	PASS
	Ant1	2447	37.92	0.5	PASS
	Ant2	2447	37.44	0.5	PASS
	Ant1	2452	37.92	0.5	PASS
	Ant2	2452	37.36	0.5	PASS

1.1.2 PARTIAL RU FOR 11AX MODE

Test Mode	Antenna	Frequency [MHz]	Ru Size	Ru Index	DTS BW [MHz]	Limit [MHz]	Verdict
11AX20SISO	Ant1	2412	26Tone	RU0	2.04	0.5	PASS
			52Tone	RU37	14.60	0.5	PASS
			106Tone	RU53	15.88	0.5	PASS
	Ant2	2412	26Tone	RU0	2.08	0.5	PASS
			52Tone	RU37	17.00	0.5	PASS
			106Tone	RU53	18.12	0.5	PASS
	Ant1	2437	26Tone	RU0	2.04	0.5	PASS
			52Tone	RU37	17.00	0.5	PASS
			106Tone	RU53	17.16	0.5	PASS
	Ant2	2437	26Tone	RU0	2.04	0.5	PASS
			52Tone	RU37	15.76	0.5	PASS
			106Tone	RU53	14.56	0.5	PASS
	Ant1	2462	26Tone	RU0	2.04	0.5	PASS
			52Tone	RU37	10.80	0.5	PASS
			106Tone	RU53	17.12	0.5	PASS
Ant2	2462	26Tone	RU0	15.76	0.5	PASS	
		52Tone	RU37	15.76	0.5	PASS	
		106Tone	RU53	15.92	0.5	PASS	
11AX40SISO	Ant1	2422	242Tone	RU61	36.96	0.5	PASS
	Ant2	2422	242Tone	RU61	36.64	0.5	PASS
	Ant1	2437	242Tone	RU61	36.64	0.5	PASS
	Ant2	2437	242Tone	RU61	36.72	0.5	PASS
	Ant1	2452	242Tone	RU61	36.88	0.5	PASS
	Ant2	2452	242Tone	RU61	36.88	0.5	PASS
11AX20MIMO	Ant1	2412	26Tone	RU0	17.04	0.5	PASS
			52Tone	RU37	17.00	0.5	PASS
			106Tone	RU53	18.04	0.5	PASS
	Ant2	2412	26Tone	RU0	14.52	0.5	PASS
			52Tone	RU37	15.72	0.5	PASS
			106Tone	RU53	17.04	0.5	PASS
	Ant1	2437	26Tone	RU0	2.04	0.5	PASS
			52Tone	RU37	12.08	0.5	PASS
			106Tone	RU53	15.92	0.5	PASS
	Ant2	2437	26Tone	RU0	2.04	0.5	PASS
			52Tone	RU37	15.80	0.5	PASS
			106Tone	RU53	17.08	0.5	PASS
	Ant1	2462	26Tone	RU0	2.08	0.5	PASS
			52Tone	RU37	17.04	0.5	PASS
			106Tone	RU53	17.12	0.5	PASS
Ant2	2462	26Tone	RU0	2.04	0.5	PASS	
		52Tone	RU37	17.00	0.5	PASS	
		106Tone	RU53	15.84	0.5	PASS	
11AX40MIMO	Ant1	2422	242Tone	RU61	34.40	0.5	PASS
	Ant2	2422	242Tone	RU61	37.60	0.5	PASS
	Ant1	2437	242Tone	RU61	35.44	0.5	PASS
	Ant2	2437	242Tone	RU61	35.44	0.5	PASS
	Ant1	2452	242Tone	RU61	35.36	0.5	PASS
	Ant2	2452	242Tone	RU61	36.64	0.5	PASS

1.2 TEST GRAPHS

1.2.1 FULL RU FOR 11AX MODE













































