

Appendix



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except with the written permission of the Company. Any unauthorized alteration, reproduction or publication of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /Inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn

中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

DTS Bandwidth
Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.070	2407.980	2416.050	0.5	PASS
	Ant2	2412	8.130	2407.950	2416.080	0.5	PASS
	Ant1	2437	8.100	2432.980	2441.080	0.5	PASS
	Ant2	2437	8.130	2432.920	2441.050	0.5	PASS
	Ant1	2462	7.650	2458.400	2466.050	0.5	PASS
	Ant2	2462	7.680	2457.920	2465.600	0.5	PASS
11G	Ant1	2412	15.180	2404.410	2419.590	0.5	PASS
	Ant2	2412	15.180	2404.410	2419.590	0.5	PASS
	Ant1	2437	15.180	2429.410	2444.590	0.5	PASS
	Ant2	2437	15.180	2429.410	2444.590	0.5	PASS
	Ant1	2462	15.180	2454.410	2469.590	0.5	PASS
	Ant2	2462	15.210	2454.380	2469.590	0.5	PASS
11N20SISO	Ant1	2412	14.280	2405.310	2419.590	0.5	PASS
	Ant2	2412	15.180	2404.410	2419.590	0.5	PASS
	Ant1	2437	15.150	2429.440	2444.590	0.5	PASS
	Ant2	2437	15.120	2429.440	2444.560	0.5	PASS
	Ant1	2462	15.090	2454.440	2469.530	0.5	PASS
	Ant2	2462	15.060	2454.440	2469.500	0.5	PASS
11AC20SISO	Ant1	2412	15.180	2404.410	2419.590	0.5	PASS
	Ant2	2412	15.420	2404.500	2419.920	0.5	PASS
	Ant1	2437	15.150	2429.410	2444.560	0.5	PASS
	Ant2	2437	15.180	2429.380	2444.560	0.5	PASS
	Ant1	2462	15.060	2454.470	2469.530	0.5	PASS
	Ant2	2462	15.030	2454.470	2469.500	0.5	PASS
11AX20SISO	Ant1	2412	16.410	2404.020	2420.430	0.5	PASS
	Ant2	2412	16.320	2404.110	2420.430	0.5	PASS
	Ant1	2437	15.960	2429.050	2445.010	0.5	PASS
	Ant2	2437	16.020	2428.570	2444.590	0.5	PASS
	Ant1	2462	15.450	2454.440	2469.890	0.5	PASS
	Ant2	2462	16.110	2453.450	2469.560	0.5	PASS
11B-CDD	Ant1	2412	7.620	2408.400	2416.020	0.5	PASS
	Ant2	2412	7.620	2408.400	2416.020	0.5	PASS
	Ant1	2437	7.620	2433.400	2441.020	0.5	PASS
	Ant2	2437	8.130	2432.920	2441.050	0.5	PASS
	Ant1	2462	7.620	2457.950	2465.570	0.5	PASS
	Ant2	2462	8.130	2457.920	2466.050	0.5	PASS
11G-CDD	Ant1	2412	15.120	2404.410	2419.530	0.5	PASS
	Ant2	2412	15.180	2404.380	2419.560	0.5	PASS
	Ant1	2437	15.150	2429.440	2444.590	0.5	PASS
	Ant2	2437	15.150	2429.410	2444.560	0.5	PASS
	Ant1	2462	15.210	2454.380	2469.590	0.5	PASS
	Ant2	2462	15.150	2454.410	2469.560	0.5	PASS
11N20MIMO	Ant1	2412	15.090	2404.470	2419.560	0.5	PASS
	Ant2	2412	15.180	2404.380	2419.560	0.5	PASS
	Ant1	2437	15.150	2429.410	2444.560	0.5	PASS
	Ant2	2437	14.490	2430.100	2444.590	0.5	PASS
	Ant1	2462	15.120	2454.470	2469.590	0.5	PASS

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except with the written permission of the Company. Any unauthorized use, reproduction or distribution of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /Inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com



No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

Report No.: ZR/2020/B003604-01

Page: 3 of 25

	Ant2	2462	15.120	2454.440	2469.560	0.5	PASS
11AC20MIMO	Ant1	2412	15.750	2403.810	2419.560	0.5	PASS
	Ant2	2412	16.380	2403.810	2420.190	0.5	PASS
	Ant1	2437	15.510	2429.410	2444.920	0.5	PASS
	Ant2	2437	16.320	2428.810	2445.130	0.5	PASS
	Ant1	2462	13.830	2455.730	2469.560	0.5	PASS
	Ant2	2462	15.750	2453.810	2469.560	0.5	PASS
	Ant1	2412	15.630	2404.080	2419.710	0.5	PASS
11AX20MIMO	Ant2	2412	17.130	2404.080	2421.210	0.5	PASS
	Ant1	2437	16.110	2428.450	2444.560	0.5	PASS
	Ant2	2437	16.830	2427.760	2444.590	0.5	PASS
	Ant1	2462	16.020	2454.440	2470.460	0.5	PASS
	Ant2	2462	15.300	2454.230	2469.530	0.5	PASS

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11AX20-242T	Ant1	2412	19.140	2402.400	2421.540	0.5	PASS
	Ant2	2412	19.110	2402.400	2421.510	0.5	PASS
	Ant1	2437	19.080	2427.460	2446.540	0.5	PASS
	Ant2	2437	19.110	2427.400	2446.510	0.5	PASS
	Ant1	2462	19.170	2452.370	2471.540	0.5	PASS
	Ant2	2462	19.050	2452.400	2471.450	0.5	PASS
11AX20-242T-MIMO	Ant1	2412	19.110	2402.400	2421.510	0.5	PASS
	Ant2	2412	19.110	2402.430	2421.540	0.5	PASS
	Ant1	2437	19.110	2427.430	2446.540	0.5	PASS
	Ant2	2437	19.110	2427.400	2446.510	0.5	PASS
	Ant1	2462	19.170	2452.370	2471.540	0.5	PASS
	Ant2	2462	19.020	2452.400	2471.420	0.5	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except with the written permission of the Company. Any unauthorized change in content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /Inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn

中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Occupied Channel Bandwidth
Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.157	2405.437	2418.593	---	PASS
	Ant2	2412	13.247	2405.407	2418.653	---	PASS
	Ant1	2437	13.097	2430.467	2443.563	---	PASS
	Ant2	2437	13.157	2430.407	2443.563	---	PASS
	Ant1	2462	13.037	2455.526	2468.563	---	PASS
	Ant2	2462	13.037	2455.467	2468.503	---	PASS
11G	Ant1	2412	16.334	2403.818	2420.152	---	PASS
	Ant2	2412	16.304	2403.848	2420.152	---	PASS
	Ant1	2437	16.274	2428.848	2445.122	---	PASS
	Ant2	2437	16.334	2428.818	2445.152	---	PASS
	Ant1	2462	16.304	2453.848	2470.152	---	PASS
	Ant2	2462	16.274	2453.848	2470.122	---	PASS
11N20SISO	Ant1	2412	17.473	2403.279	2420.751	---	PASS
	Ant2	2412	17.532	2403.249	2420.781	---	PASS
	Ant1	2437	17.473	2428.249	2445.721	---	PASS
	Ant2	2437	17.473	2428.249	2445.721	---	PASS
	Ant1	2462	17.473	2453.249	2470.721	---	PASS
	Ant2	2462	17.473	2453.249	2470.721	---	PASS
11AC20SISO	Ant1	2412	17.502	2403.249	2420.751	---	PASS
	Ant2	2412	17.502	2403.249	2420.751	---	PASS
	Ant1	2437	17.473	2428.249	2445.721	---	PASS
	Ant2	2437	17.473	2428.249	2445.721	---	PASS
	Ant1	2462	17.473	2453.249	2470.721	---	PASS
	Ant2	2462	17.473	2453.249	2470.721	---	PASS
11B-CDD	Ant1	2412	13.187	2405.407	2418.593	---	PASS
	Ant2	2412	13.277	2405.407	2418.683	---	PASS
	Ant1	2437	13.037	2430.497	2443.533	---	PASS
	Ant2	2437	13.247	2430.347	2443.593	---	PASS
	Ant1	2462	13.037	2455.526	2468.563	---	PASS
	Ant2	2462	13.247	2455.317	2468.563	---	PASS
11G-CDD	Ant1	2412	16.304	2403.848	2420.152	---	PASS
	Ant2	2412	16.304	2403.848	2420.152	---	PASS
	Ant1	2437	16.274	2428.848	2445.122	---	PASS
	Ant2	2437	16.304	2428.848	2445.152	---	PASS
	Ant1	2462	16.274	2453.848	2470.122	---	PASS
	Ant2	2462	16.274	2453.818	2470.092	---	PASS
11N20MIMO	Ant1	2412	17.502	2403.249	2420.751	---	PASS
	Ant2	2412	17.532	2403.219	2420.751	---	PASS
	Ant1	2437	17.502	2428.249	2445.751	---	PASS
	Ant2	2437	17.502	2428.219	2445.721	---	PASS
	Ant1	2462	17.502	2453.219	2470.721	---	PASS
	Ant2	2462	17.502	2453.219	2470.721	---	PASS
11AC20MIMO	Ant1	2412	17.502	2403.249	2420.751	---	PASS
	Ant2	2412	17.502	2403.249	2420.751	---	PASS
	Ant1	2437	17.473	2428.249	2445.721	---	PASS
	Ant2	2437	17.473	2428.249	2445.721	---	PASS
	Ant1	2462	17.502	2453.219	2470.721	---	PASS

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except with the written permission of the Company. Any unauthorized use, reproduction or distribution of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /Inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn

中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com





SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: ZR/2020/B003604-01

Page: 5 of 25

	Ant2	2462	17.443	2453.249	2470.691	---	PASS
--	------	------	--------	----------	----------	-----	------

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11AX20SISO	Ant1	2412	18.821	2402.589	2421.411	---	PASS
	Ant2	2412	18.821	2402.589	2421.411	---	PASS
	Ant1	2437	18.791	2427.589	2446.381	---	PASS
	Ant2	2437	18.851	2427.559	2446.411	---	PASS
	Ant1	2462	18.821	2452.559	2471.381	---	PASS
	Ant2	2462	18.821	2452.559	2471.381	---	PASS
11AX20MIMO	Ant1	2412	18.821	2402.589	2421.411	---	PASS
	Ant2	2412	18.851	2402.589	2421.441	---	PASS
	Ant1	2437	18.851	2427.559	2446.411	---	PASS
	Ant2	2437	18.851	2427.559	2446.411	---	PASS
	Ant1	2462	18.821	2452.559	2471.381	---	PASS
	Ant2	2462	18.821	2452.559	2471.381	---	PASS

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11AX20-242T	Ant1	2412	19.091	2402.440	2421.530	---	PASS
	Ant2	2412	19.331	2402.260	2421.590	---	PASS
	Ant1	2437	19.151	2427.440	2446.590	---	PASS
	Ant2	2437	19.271	2427.350	2446.620	---	PASS
	Ant1	2462	19.301	2452.260	2471.560	---	PASS
	Ant2	2462	19.211	2452.350	2471.560	---	PASS
11AX20-242T-MIMO	Ant1	2412	19.151	2402.410	2421.560	---	PASS
	Ant2	2412	19.301	2402.320	2421.620	---	PASS
	Ant1	2437	19.211	2427.410	2446.620	---	PASS
	Ant2	2437	19.301	2427.320	2446.620	---	PASS
	Ant1	2462	19.331	2452.260	2471.590	---	PASS
	Ant2	2462	19.271	2452.290	2471.560	---	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except with the written permission of the Company. Any unauthorized use, reproduction or distribution of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /Inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch, China, SGS-CEC Laboratory
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Maximum conducted output power**Test Result**

TestMode	Antenna	Channel	Result[dBm]	Verdict
11B	Ant1	2412	18.46	PASS
	Ant2	2412	16.75	PASS
	Ant1	2437	18.09	PASS
	Ant2	2437	17.60	PASS
	Ant1	2462	18.16	PASS
	Ant2	2462	17.88	PASS
11G	Ant1	2412	14.46	PASS
	Ant2	2412	13.26	PASS
	Ant1	2437	17.23	PASS
	Ant2	2437	16.84	PASS
	Ant1	2462	15.41	PASS
	Ant2	2462	14.73	PASS
11N20SISO	Ant1	2412	15.20	PASS
	Ant2	2412	13.71	PASS
	Ant1	2437	16.00	PASS
	Ant2	2437	15.60	PASS
	Ant1	2462	15.93	PASS
	Ant2	2462	15.69	PASS
11AC20SISO	Ant1	2412	14.99	PASS
	Ant2	2412	13.88	PASS
	Ant1	2437	15.96	PASS
	Ant2	2437	15.89	PASS
	Ant1	2462	15.95	PASS
	Ant2	2462	16.03	PASS
11B-CDD	Ant1	2412	18.52	PASS
	Ant2	2412	16.77	PASS
	total	2412	20.7	PASS
	Ant1	2437	18.20	PASS
	Ant2	2437	17.35	PASS
	total	2437	20.8	PASS
	Ant1	2462	18.23	PASS
	Ant2	2462	17.60	PASS
	total	2462	20.9	PASS
11G-CDD	Ant1	2412	14.55	PASS
	Ant2	2412	13.47	PASS
	total	2412	17.1	PASS
	Ant1	2437	17.48	PASS
	Ant2	2437	16.83	PASS
	total	2437	20.2	PASS
	Ant1	2462	15.67	PASS
	Ant2	2462	14.91	PASS
	total	2462	18.3	PASS
11N20MIMO	Ant1	2412	15.41	PASS

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to terms and conditions for electronic documents at <http://www.sgs.com/en/Electronic-Terms-and-Conditions.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this document are referent to the sample(s) tested and such sample(s) are retained for 30 days.

Attention: To check the validity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com





SGS-CSTC Standards Technical Services Co., Ltd.

Shenzhen Branch

Report No.: ZR/2020/B003604-01
Page: 7 of 25

11AC20MIMO	Ant2	2412	13.95	PASS
	total	2412	17.8	PASS
	Ant1	2437	16.29	PASS
	Ant2	2437	15.57	PASS
	total	2437	19.0	PASS
	Ant1	2462	16.05	PASS
	Ant2	2462	15.80	PASS
	total	2462	18.9	PASS
	Ant1	2412	15.24	PASS
	Ant2	2412	14.12	PASS

TestMode	Antenna	Channel	Result [dBm]	Verdict
11AX20SISO	Ant1	2412	13.05	PASS
	Ant2	2412	13.02	PASS
	Ant1	2437	17.02	PASS
	Ant2	2437	16.75	PASS
	Ant1	2462	15.38	PASS
	Ant2	2462	14.59	PASS
11AX20MIMO	Ant1	2412	14.57	PASS
	Ant2	2412	13.27	PASS
	total	2412	17.0	PASS
	Ant1	2437	17.27	PASS
	Ant2	2437	16.73	PASS
	total	2437	20.0	PASS
	Ant1	2462	15.71	PASS
	Ant2	2462	14.80	PASS
	total	2462	18.3	PASS

TestMode	Antenna	Channel	Result[dBm]	Verdict
11AX20-242T	Ant1	2412	17.04	PASS
	Ant2	2412	16.41	PASS
	Ant1	2437	16.61	PASS
	Ant2	2437	16.74	PASS
	Ant1	2462	16.59	PASS
	Ant2	2462	16.98	PASS
11AX20-242T-MIMO	Ant1	2412	17.81	PASS
	Ant2	2412	16.69	PASS
	total	2412	20.3	PASS
	Ant1	2437	17.73	PASS
	Ant2	2437	17.21	PASS
	total	2437	20.5	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to terms and conditions for electronic documents at <http://www.sgs.com/en/Document-Terms.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this report refer only to the sample(s) tested and such sample(s) are retained for 30 days. Attention: To check the validity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: ZR/2020/B003604-01
Page: 8 of 25

	Ant1	2462	17.83	PASS
	Ant2	2462	17.23	PASS
	total	2462	20.6	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to terms and conditions for electronic documents at <http://www.sgs.com/en/Document-Terms-and-Conditions.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this report refer only to the sample(s) tested and such sample(s) are retained for 30 days. Attention: To check the validity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Inspection & Testing Services Laboratory
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: ZR/2020/B003604-01
Page: 9 of 25

TestMode	Antenna	Channel	Result[dBm]	Verdict
11AX20-26T-L	Ant1	2412	9.34	PASS
	Ant2	2412	7.18	PASS
	Ant1	2437	8.61	PASS
	Ant2	2437	7.37	PASS
	Ant1	2462	9.93	PASS
	Ant2	2462	7.38	PASS
11AX20-26T-R	Ant1	2412	9.22	PASS
	Ant2	2412	7.68	PASS
	Ant1	2437	9.51	PASS
	Ant2	2437	7.76	PASS
	Ant1	2462	8.79	PASS
	Ant2	2462	7.64	PASS
11AX20-26T-L-MIMO	Ant1	2412	9.20	PASS
	Ant2	2412	8.32	PASS
	total	2412	11.79	PASS
	Ant1	2437	8.91	PASS
	Ant2	2437	8.97	PASS
	total	2437	11.95	PASS
	Ant1	2462	8.95	PASS
	Ant2	2462	9.01	PASS
	total	2462	11.99	PASS
	Ant1	2412	9.24	PASS
11AX20-26T-R-MIMO	Ant2	2412	7.78	PASS
	total	2412	11.58	PASS
	Ant1	2437	9.43	PASS
	Ant2	2437	8.15	PASS
	total	2437	11.85	PASS
	Ant1	2462	8.75	PASS
	Ant2	2462	8.41	PASS
	total	2462	11.59	PASS

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to terms and conditions for electronic documents at <http://www.sgs.com/en/SGS-Telex-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this report refer only to the sample(s) tested and such sample(s) are retained for 30 days.

Attention: To check the validity of testing/Inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com



No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn

中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



SGS-CSTC Standards Technical Services Co., Ltd.

Shenzhen Branch

Report No.: ZR/2020/B003604-01
Page: 10 of 25

TestMode	Antenna	Channel	Result[dBm]	Verdict
11AX20-52T-L	Ant1	2412	12.24	PASS
	Ant2	2412	10.10	PASS
	Ant1	2437	11.93	PASS
	Ant2	2437	10.70	PASS
	Ant1	2462	12.12	PASS
	Ant2	2462	10.47	PASS
11AX20-52T-R	Ant1	2412	12.20	PASS
	Ant2	2412	9.94	PASS
	Ant1	2437	12.58	PASS
	Ant2	2437	10.17	PASS
	Ant1	2462	11.75	PASS
	Ant2	2462	9.32	PASS
11AX20-52T-L-MIMO	Ant1	2412	12.33	PASS
	Ant2	2412	11.23	PASS
	total	2412	14.83	PASS
	Ant1	2437	11.64	PASS
	Ant2	2437	11.94	PASS
	total	2437	14.80	PASS
	Ant1	2462	12.46	PASS
	Ant2	2462	11.93	PASS
	total	2462	15.31	PASS
	Ant1	2412	12.23	PASS
11AX20-52T-R-MIMO	Ant2	2412	10.96	PASS
	total	2412	14.65	PASS
	Ant1	2437	12.58	PASS
	Ant2	2437	11.09	PASS
	total	2437	14.91	PASS
	Ant1	2462	11.77	PASS
	Ant2	2462	10.69	PASS
	total	2462	14.27	PASS

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to terms and conditions for electronic documents at <http://www.sgs.com/en/Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this report refer only to the sample(s) tested and such sample(s) are retained for 30 days.

Attention: To check the validity of testing/Inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com



No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn

中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Member of the SGS Group (SGS SA)



SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: ZR/2020/B003604-01
Page: 11 of 25

TestMode	Antenna	Channel	Result[dBm]	Verdict
11AX20-106T-L	Ant1	2412	14.33	PASS
	Ant2	2412	13.08	PASS
	Ant1	2437	13.64	PASS
	Ant2	2437	13.66	PASS
	Ant1	2462	14.62	PASS
	Ant2	2462	13.90	PASS
11AX20-106T-R	Ant1	2412	15.42	PASS
	Ant2	2412	14.46	PASS
	Ant1	2437	15.45	PASS
	Ant2	2437	14.31	PASS
	Ant1	2462	14.91	PASS
	Ant2	2462	13.83	PASS
11AX20-106T-L-MIMO	Ant1	2412	14.40	PASS
	Ant2	2412	13.74	PASS
	total	2412	17.09	PASS
	Ant1	2437	14.53	PASS
	Ant2	2437	14.52	PASS
	total	2437	17.54	PASS
	Ant1	2462	15.44	PASS
	Ant2	2462	14.68	PASS
	total	2462	18.09	PASS
	Ant1	2412	14.43	PASS
11AX20-106T-R-MIMO	Ant2	2412	12.65	PASS
	total	2412	16.64	PASS
	Ant1	2437	14.43	PASS
	Ant2	2437	13.02	PASS
	total	2437	16.79	PASS
	Ant1	2462	13.87	PASS
	Ant2	2462	12.83	PASS
	total	2462	16.39	PASS

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to terms and conditions for electronic documents at <http://www.sgs.com/en/Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this report refer only to the sample(s) tested and such sample(s) are retained for 30 days.

Attention: To check the validity of testing/Inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Inspection & Testing Services Laboratory

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Maximum power spectral density
Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-5.3	<=8	PASS
	Ant2	2412	-7.47	<=8	PASS
	Ant1	2437	-6.07	<=8	PASS
	Ant2	2437	-6.39	<=8	PASS
	Ant1	2462	-5.37	<=8	PASS
	Ant2	2462	-6.44	<=8	PASS
11G	Ant1	2412	-10.06	<=8	PASS
	Ant2	2412	-11.45	<=8	PASS
	Ant1	2437	-7.33	<=8	PASS
	Ant2	2437	-7.87	<=8	PASS
	Ant1	2462	-9.76	<=8	PASS
	Ant2	2462	-10.06	<=8	PASS
11N20SISO	Ant1	2412	-8.32	<=8	PASS
	Ant2	2412	-10.07	<=8	PASS
	Ant1	2437	-7.61	<=8	PASS
	Ant2	2437	-7.56	<=8	PASS
	Ant1	2462	-7.65	<=8	PASS
	Ant2	2462	-7.89	<=8	PASS
11AC20SISO	Ant1	2412	-8.94	<=8	PASS
	Ant2	2412	-10.09	<=8	PASS
	Ant1	2437	-7.93	<=8	PASS
	Ant2	2437	-7.67	<=8	PASS
	Ant1	2462	-7.13	<=8	PASS
	Ant2	2462	-7.69	<=8	PASS
11B-CDD	Ant1	2412	-5.7	<=8	PASS
	Ant2	2412	-6.43	<=8	PASS
	total	2412	-3.04	<=8	PASS
	Ant1	2437	-6.35	<=8	PASS
	Ant2	2437	-6.66	<=8	PASS
	total	2437	-3.49	<=8	PASS
	Ant1	2462	-6.07	<=8	PASS
	Ant2	2462	-6.27	<=8	PASS
	total	2462	-3.16	<=8	PASS
11G-CDD	Ant1	2412	-10.52	<=8	PASS
	Ant2	2412	-11	<=8	PASS
	total	2412	-7.74	<=8	PASS
	Ant1	2437	-7.48	<=8	PASS
	Ant2	2437	-7.58	<=8	PASS
	total	2437	-4.52	<=8	PASS
	Ant1	2462	-9.06	<=8	PASS
	Ant2	2462	-9.88	<=8	PASS
	total	2462	-6.44	<=8	PASS
11N20MIMO	Ant1	2412	-8.51	<=8	PASS
	Ant2	2412	-10.07	<=8	PASS
	total	2412	-6.21	<=8	PASS
	Ant1	2437	-6.79	<=8	PASS
	Ant2	2437	-7.57	<=8	PASS

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except with the written permission of the Company. Any unauthorized change in content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /Inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com



No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Report No.: ZR/2020/B003604-01

Page: 13 of 25

	total	2437	-4.15	<=8	PASS
	Ant1	2462	-7.24	<=8	PASS
	Ant2	2462	-7.2	<=8	PASS
	total	2462	-4.21	<=8	PASS
11AC20MIMO	Ant1	2412	-8.99	<=8	PASS
	Ant2	2412	-10.28	<=8	PASS
	total	2412	-6.58	<=8	PASS
	Ant1	2437	-7.57	<=8	PASS
	Ant2	2437	-8.78	<=8	PASS
	total	2437	-5.12	<=8	PASS
	Ant1	2462	-7.8	<=8	PASS
	Ant2	2462	-7.67	<=8	PASS
	total	2462	-4.72	<=8	PASS

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11AX20SISO	Ant1	2412	-11.34	<=8	PASS
	Ant2	2412	-11.3	<=8	PASS
	Ant1	2437	-7.33	<=8	PASS
	Ant2	2437	-7.46	<=8	PASS
	Ant1	2462	-9	<=8	PASS
	Ant2	2462	-8.86	<=8	PASS
11AX20MIMO	Ant1	2412	-10.02	<=8	PASS
	Ant2	2412	-11.66	<=8	PASS
	total	2412	-7.75	<=8	PASS
	Ant1	2437	-6.97	<=8	PASS
	Ant2	2437	-7.47	<=8	PASS
	total	2437	-4.20	<=8	PASS
	Ant1	2462	-8.77	<=8	PASS
	Ant2	2462	-9.6	<=8	PASS
	total	2462	-6.15	<=8	PASS

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11AX20-242T	Ant1	2412	-8.61	<=8	PASS
	Ant2	2412	-8.82	<=8	PASS
	Ant1	2437	-8.44	<=8	PASS
	Ant2	2437	-8.62	<=8	PASS
	Ant1	2462	-7.61	<=8	PASS
	Ant2	2462	-8.47	<=8	PASS
11AX20-242T-MIMO	Ant1	2412	-8.04	<=8	PASS
	Ant2	2412	-8.85	<=8	PASS
	total	2412	-5.42	<=8	PASS
	Ant1	2437	-8	<=8	PASS
	Ant2	2437	-8.15	<=8	PASS
	total	2437	-5.06	<=8	PASS
	Ant1	2462	-6.77	<=8	PASS
	Ant2	2462	-8.05	<=8	PASS
	total	2462	-4.35	<=8	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except with the written permission of the Company. Any unauthorized use, reproduction or distribution of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /Inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: ZR/2020/B003604-01
Page: 14 of 25

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11AX20-26T-L	Ant1	2412	-7.98	<=8	PASS
	Ant2	2412	-9.53	<=8	PASS
	Ant1	2437	-8.80	<=8	PASS
	Ant2	2437	-10.00	<=8	PASS
	Ant1	2462	-5.88	<=8	PASS
	Ant2	2462	-9.34	<=8	PASS
11AX20-26T-R	Ant1	2412	-8.72	<=8	PASS
	Ant2	2412	-10.26	<=8	PASS
	Ant1	2437	-7.68	<=8	PASS
	Ant2	2437	-10.19	<=8	PASS
	Ant1	2462	-9.02	<=8	PASS
	Ant2	2462	-10.41	<=8	PASS
11AX20-26T-L-MIMO	Ant1	2412	-8.27	<=8	PASS
	Ant2	2412	-9.08	<=8	PASS
	total	2412	-5.65	<=8	PASS
	Ant1	2437	-8.38	<=8	PASS
	Ant2	2437	-8.85	<=8	PASS
	total	2437	-5.60	<=8	PASS
	Ant1	2462	-9.00	<=8	PASS
	Ant2	2462	-8.08	<=8	PASS
	total	2462	-5.51	<=8	PASS
	Ant1	2412	-8.59	<=8	PASS
11AX20-26T-R-MIMO	Ant2	2412	-9.82	<=8	PASS
	total	2412	-6.15	<=8	PASS
	Ant1	2437	-7.67	<=8	PASS
	Ant2	2437	-10.19	<=8	PASS
	total	2437	-5.74	<=8	PASS
	Ant1	2462	-8.98	<=8	PASS
	Ant2	2462	-9.13	<=8	PASS
	total	2462	-6.04	<=8	PASS

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to terms and conditions for electronic documents at <http://www.sgs.com/en/SGS-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this report refer only to the sample(s) tested and such sample(s) are retained for 30 days.

Attention: To check the validity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com



No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn

中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: ZR/2020/B003604-01
Page: 15 of 25

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11AX20-52T-L	Ant1	2412	-7.06	<=8	PASS
	Ant2	2412	-9.01	<=8	PASS
	Ant1	2437	-8.20	<=8	PASS
	Ant2	2437	-8.71	<=8	PASS
	Ant1	2462	-5.93	<=8	PASS
	Ant2	2462	-7.90	<=8	PASS
11AX20-52T-R	Ant1	2412	-6.04	<=8	PASS
	Ant2	2412	-8.67	<=8	PASS
	Ant1	2437	-6.22	<=8	PASS
	Ant2	2437	-8.03	<=8	PASS
	Ant1	2462	-6.64	<=8	PASS
	Ant2	2462	-8.44	<=8	PASS
11AX20-52T-L-MIMO	Ant1	2412	-7.22	<=8	PASS
	Ant2	2412	-7.57	<=8	PASS
	total	2412	-4.38	<=8	PASS
	Ant1	2437	-7.16	<=8	PASS
	Ant2	2437	-6.88	<=8	PASS
	total	2437	-4.01	<=8	PASS
	Ant1	2462	-5.56	<=8	PASS
	Ant2	2462	-7.21	<=8	PASS
	total	2462	-3.30	<=8	PASS
	Ant1	2412	-6.04	<=8	PASS
11AX20-52T-R-MIMO	Ant2	2412	-7.76	<=8	PASS
	total	2412	-3.81	<=8	PASS
	Ant1	2437	-6.20	<=8	PASS
	Ant2	2437	-7.29	<=8	PASS
	total	2437	-3.70	<=8	PASS
	Ant1	2462	-6.64	<=8	PASS
	Ant2	2462	-7.75	<=8	PASS
	total	2462	-4.15	<=8	PASS

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to terms and conditions for electronic documents at <http://www.sgs.com/en/SGS-Telex-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this report refer only to the sample(s) tested and such sample(s) are retained for 30 days.

Attention: To check the validity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com



No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn

中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Report No.: ZR/2020/B003604-01

Page: 16 of 25

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11AX20-106T-L	Ant1	2412	-8.34	<=8	PASS
	Ant2	2412	-9.29	<=8	PASS
	Ant1	2437	-9.37	<=8	PASS
	Ant2	2437	-8.74	<=8	PASS
	Ant1	2462	-7.14	<=8	PASS
	Ant2	2462	-8.47	<=8	PASS
11AX20-106T-R	Ant1	2412	-6.94	<=8	PASS
	Ant2	2412	-8.13	<=8	PASS
	Ant1	2437	-6.99	<=8	PASS
	Ant2	2437	-7.44	<=8	PASS
	Ant1	2462	-7.68	<=8	PASS
	Ant2	2462	-7.89	<=8	PASS
11AX20-106T-L-MIMO	Ant1	2412	-6.89	<=8	PASS
	Ant2	2412	-8.14	<=8	PASS
	total	2412	-4.46	<=8	PASS
	Ant1	2437	-7.99	<=8	PASS
	Ant2	2437	-7.79	<=8	PASS
	total	2437	-4.88	<=8	PASS
	Ant1	2462	-6.20	<=8	PASS
	Ant2	2462	-7.81	<=8	PASS
	total	2462	-3.92	<=8	PASS
	Ant1	2412	-8.31	<=8	PASS
11AX20-106T-R-MIMO	Ant2	2412	-8.91	<=8	PASS
	total	2412	-5.59	<=8	PASS
	Ant1	2437	-7.89	<=8	PASS
	Ant2	2437	-9.47	<=8	PASS
	total	2437	-5.60	<=8	PASS
	Ant1	2462	-8.33	<=8	PASS
	Ant2	2462	-9.44	<=8	PASS
	total	2462	-5.84	<=8	PASS

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except with the written permission of the Company. Any unauthorized change in content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /Inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com



No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn

中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	9.12	-40.86	<=-10.88	PASS
	Ant2	Low	2412	7.18	-38.04	<=-12.82	PASS
	Ant1	High	2462	9.02	-51.41	<=-10.98	PASS
	Ant2	High	2462	7.95	-50.17	<=-12.05	PASS
11G	Ant1	Low	2412	7.60	-34.32	<=-12.4	PASS
	Ant2	Low	2412	6.33	-33.3	<=-13.67	PASS
	Ant1	High	2462	7.52	-46.49	<=-12.48	PASS
	Ant2	High	2462	7.03	-40.21	<=-12.97	PASS
11N20SISO	Ant1	Low	2412	6.99	-34.86	<=-13.01	PASS
	Ant2	Low	2412	3.77	-32.57	<=-16.23	PASS
	Ant1	High	2462	6.44	-46.82	<=-13.56	PASS
	Ant2	High	2462	5.99	-41.53	<=-14.01	PASS
11AC20SISO	Ant1	Low	2412	5.43	-36.57	<=-14.57	PASS
	Ant2	Low	2412	5.91	-33.5	<=-14.09	PASS
	Ant1	High	2462	6.57	-44.5	<=-13.43	PASS
	Ant2	High	2462	6.44	-39.93	<=-13.56	PASS
11B-CDD	Ant1	Low	2412	8.89	-39.99	<=-11.11	PASS
	Ant2	Low	2412	7.07	-37.18	<=-12.93	PASS
	Ant1	High	2462	8.50	-51.03	<=-11.5	PASS
	Ant2	High	2462	7.87	-46.53	<=-12.13	PASS
11G-CDD	Ant1	Low	2412	6.97	-34.53	<=-13.03	PASS
	Ant2	Low	2412	5.82	-32.53	<=-14.18	PASS
	Ant1	High	2462	6.75	-48.09	<=-13.25	PASS
	Ant2	High	2462	6.03	-41.17	<=-13.97	PASS
11N20MIMO	Ant1	Low	2412	5.56	-32.66	<=-14.44	PASS
	Ant2	Low	2412	5.34	-31	<=-14.66	PASS
	Ant1	High	2462	6.35	-46.78	<=-13.65	PASS
	Ant2	High	2462	5.59	-39.85	<=-14.41	PASS
11AC20MIMO	Ant1	Low	2412	6.73	-33.93	<=-13.27	PASS
	Ant2	Low	2412	4.99	-31.03	<=-15.01	PASS
	Ant1	High	2462	4.74	-46.54	<=-15.26	PASS
	Ant2	High	2462	5.90	-39.45	<=-14.1	PASS

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11AX20SISO	Ant1	Low	2412	7.68	-31.02	<=-12.32	PASS
	Ant2	Low	2412	6.43	-32.75	<=-13.57	PASS
	Ant1	High	2462	5.38	-40.74	<=-14.62	PASS
	Ant2	High	2462	6.31	-37.01	<=-13.69	PASS
11AX20MIMO	Ant1	Low	2412	6.29	-33.94	<=-13.71	PASS
	Ant2	Low	2412	4.96	-29.79	<=-15.04	PASS
	Ant1	High	2462	6.81	-43.05	<=-13.19	PASS
	Ant2	High	2462	6.82	-35.6	<=-13.18	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except with the written permission of the Company. Any unauthorized use, reproduction or distribution of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /Inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn

中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Report No.: ZR/2020/B003604-01

Page: 18 of 25

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11AX20-242T	Ant1	Low	2412	4.63	-106.18	<=-15.37	PASS
	Ant2	Low	2412	4.65	-23.77	<=-15.35	PASS
	Ant1	High	2462	5.12	-29.74	<=-14.88	PASS
	Ant2	High	2462	5.31	-25.5	<=-14.69	PASS
11AX20-242T-MIMO	Ant1	Low	2412	4.96	-25.84	<=-15.04	PASS
	Ant2	Low	2412	5.07	-21.03	<=-14.93	PASS
	Ant1	High	2462	5.40	-27.46	<=-14.6	PASS
	Ant2	High	2462	5.85	-25.64	<=-14.15	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except with the written permission of the Company. Any unauthorized change in the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /Inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch, CSTC Testing & Calibration Laboratory

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Conducted Spurious Emission
Test Result

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	8.80	8.80	---	PASS
			30~1000	8.80	-43.95	<=-11.2	PASS
			1000~26500	8.80	-29.81	<=-11.2	PASS
	Ant2	2412	Reference	6.95	6.95	---	PASS
			30~1000	6.95	-45.44	<=-13.05	PASS
			1000~26500	6.95	-30.89	<=-13.05	PASS
	Ant1	2437	Reference	7.81	7.81	---	PASS
			30~1000	7.81	-45.29	<=-12.19	PASS
			1000~26500	7.81	-31	<=-12.19	PASS
	Ant2	2462	Reference	9.61	9.61	---	PASS
			30~1000	9.61	-44.58	<=-10.39	PASS
			1000~26500	9.61	-30.31	<=-10.39	PASS
11G	Ant1	2412	Reference	7.91	7.91	---	PASS
			30~1000	7.91	-44.36	<=-12.09	PASS
			1000~26500	7.91	-30.74	<=-12.09	PASS
	Ant2	2412	Reference	7.78	7.78	---	PASS
			30~1000	7.78	-45.01	<=-12.22	PASS
			1000~26500	7.78	-30.07	<=-12.22	PASS
	Ant1	2437	Reference	6.13	6.13	---	PASS
			30~1000	6.13	-45.73	<=-13.87	PASS
			1000~26500	6.13	-30.61	<=-13.87	PASS
	Ant2	2437	Reference	6.83	6.83	---	PASS
			30~1000	6.83	-45.79	<=-13.17	PASS
			1000~26500	6.83	-30.54	<=-13.17	PASS
	Ant1	2462	Reference	7.07	7.07	---	PASS
			30~1000	7.07	-42.95	<=-12.93	PASS
			1000~26500	7.07	-30.8	<=-12.93	PASS
	Ant2	2462	Reference	7.62	7.62	---	PASS
			30~1000	7.62	-45.33	<=-12.38	PASS
			1000~26500	7.62	-31.15	<=-12.38	PASS
11N20SISO	Ant1	2412	Reference	7.10	7.10	---	PASS
			30~1000	7.10	-46.05	<=-12.9	PASS
			1000~26500	7.10	-30.85	<=-12.9	PASS
	Ant2	2412	Reference	5.77	5.77	---	PASS
			30~1000	5.77	-45.85	<=-14.23	PASS
			1000~26500	5.77	-29.87	<=-14.23	PASS
	Ant1	2412	Reference	3.96	3.96	---	PASS
			30~1000	3.96	-45.52	<=-16.04	PASS
			1000~26500	3.96	-30.33	<=-16.04	PASS
	Ant1	2437	Reference	6.46	6.46	---	PASS
			30~1000	6.46	-45.13	<=-13.54	PASS
			1000~26500	6.46	-31.1	<=-13.54	PASS
	Ant2	2437	Reference	5.76	5.76	---	PASS
			30~1000	5.76	-42.73	<=-14.24	PASS
			1000~26500	5.76	-30.53	<=-14.24	PASS
	Ant1	2462	Reference	6.64	6.64	---	PASS
			30~1000	6.64	-44.91	<=-13.36	PASS

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except with the written permission of the Company. Any unauthorized use, reproduction or distribution of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /Inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com



No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

			1000~26500	6.64	-30.9	<=-13.36	PASS
	Ant2	2462	Reference	6.29	6.29	---	PASS
			30~1000	6.29	-45.66	<=-13.71	PASS
			1000~26500	6.29	-30.52	<=-13.71	PASS
11AC20SISO	Ant1	2412	Reference	6.76	6.76	---	PASS
			30~1000	6.76	-45.76	<=-13.24	PASS
			1000~26500	6.76	-30.74	<=-13.24	PASS
	Ant2	2412	Reference	3.93	3.93	---	PASS
			30~1000	3.93	-45.87	<=-16.07	PASS
			1000~26500	3.93	-30.33	<=-16.07	PASS
	Ant1	2437	Reference	6.63	6.63	---	PASS
			30~1000	6.63	-45.96	<=-13.37	PASS
			1000~26500	6.63	-30.74	<=-13.37	PASS
	Ant2	2437	Reference	5.50	5.50	---	PASS
			30~1000	5.50	-44.95	<=-14.5	PASS
			1000~26500	5.50	-30.47	<=-14.5	PASS
11B-CDD	Ant1	2462	Reference	4.50	4.50	---	PASS
			30~1000	4.50	-45.18	<=-15.5	PASS
			1000~26500	4.50	-30.34	<=-15.5	PASS
	Ant2	2462	Reference	6.34	6.34	---	PASS
			30~1000	6.34	-46.35	<=-13.66	PASS
			1000~26500	6.34	-31.13	<=-13.66	PASS
	Ant1	2412	Reference	8.61	8.61	---	PASS
			30~1000	8.61	-45.12	<=-11.39	PASS
			1000~26500	8.61	-30.56	<=-11.39	PASS
	Ant2	2412	Reference	6.95	6.95	---	PASS
			30~1000	6.95	-45.83	<=-13.05	PASS
			1000~26500	6.95	-31.13	<=-13.05	PASS
11G-CDD	Ant1	2437	Reference	9.56	9.56	---	PASS
			30~1000	9.56	-45.92	<=-10.44	PASS
			1000~26500	9.56	-30.6	<=-10.44	PASS
	Ant2	2437	Reference	9.33	9.33	---	PASS
			30~1000	9.33	-45.4	<=-10.67	PASS
			1000~26500	9.33	-30.58	<=-10.67	PASS
	Ant1	2462	Reference	8.52	8.52	---	PASS
			30~1000	8.52	-45.09	<=-11.48	PASS
			1000~26500	8.52	-30.98	<=-11.48	PASS
	Ant2	2462	Reference	7.83	7.83	---	PASS
			30~1000	7.83	-45.79	<=-12.17	PASS
			1000~26500	7.83	-29.68	<=-12.17	PASS

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except with the written permission of the Company. Any unauthorized use, reproduction or communication of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /Inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Dcccheck@sgs.com



No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Report No.: ZR/2020/B003604-01
 Page: 21 of 25

		Ant2	2462	30~1000	5.60	-44.84	<=-14.4	PASS
				1000~26500	5.60	-30.5	<=-14.4	PASS
				Reference	6.84	6.84	---	PASS
				30~1000	6.84	-46.1	<=-13.16	PASS
				1000~26500	6.84	-30.19	<=-13.16	PASS
				Reference	6.76	6.76	---	PASS
11N20MIMO	Ant1	2412	2412	30~1000	6.76	-44.75	<=-13.24	PASS
				1000~26500	6.76	-30.97	<=-13.24	PASS
				Reference	4.04	4.04	---	PASS
	Ant2	2412	2412	30~1000	4.04	-45.96	<=-15.96	PASS
				1000~26500	4.04	-31.01	<=-15.96	PASS
				Reference	6.79	6.79	---	PASS
	Ant1	2437	2437	30~1000	6.79	-45.87	<=-13.21	PASS
				1000~26500	6.79	-30.05	<=-13.21	PASS
				Reference	5.68	5.68	---	PASS
	Ant2	2437	2437	30~1000	5.68	-45.11	<=-14.32	PASS
				1000~26500	5.68	-30.65	<=-14.32	PASS
				Reference	4.75	4.75	---	PASS
11N20MIMO	Ant1	2462	2462	30~1000	4.75	-44.08	<=-15.25	PASS
				1000~26500	4.75	-31	<=-15.25	PASS
				Reference	6.03	6.03	---	PASS
	Ant2	2462	2462	30~1000	6.03	-45.11	<=-13.97	PASS
				1000~26500	6.03	-30.51	<=-13.97	PASS
				Reference	6.48	6.48	---	PASS
	Ant1	2412	2412	30~1000	6.48	-46.02	<=-13.52	PASS
				1000~26500	6.48	-30.59	<=-13.52	PASS
				Reference	3.92	3.92	---	PASS
	Ant2	2412	2412	30~1000	3.92	-44.27	<=-16.08	PASS
				1000~26500	3.92	-31.07	<=-16.08	PASS
				Reference	5.66	5.66	---	PASS
11N20MIMO	Ant1	2437	2437	30~1000	5.66	-45.99	<=-14.34	PASS
				1000~26500	5.66	-29.54	<=-14.34	PASS
				Reference	5.24	5.24	---	PASS
	Ant2	2437	2437	30~1000	5.24	-45.18	<=-14.76	PASS
				1000~26500	5.24	-31.28	<=-14.76	PASS
				Reference	6.08	6.08	---	PASS
	Ant1	2462	2462	30~1000	6.08	-45.12	<=-13.92	PASS
				1000~26500	6.08	-30.96	<=-13.92	PASS
				Reference	4.17	4.17	---	PASS
	Ant2	2462	2462	30~1000	4.17	-44.92	<=-15.83	PASS
				1000~26500	4.17	-30.04	<=-15.83	PASS

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except with the written permission of the Company. Any unauthorized use, reproduction or distribution of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /Inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com



No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11AX20SISO	Ant1	2412	Reference	7.89	7.89	---	PASS
			30~1000	7.89	-45.9	<=-12.11	PASS
			1000~26500	7.89	-30.63	<=-12.11	PASS
	Ant2	2412	Reference	5.94	5.94	---	PASS
			30~1000	5.94	-46.24	<=-14.06	PASS
			1000~26500	5.94	-31.14	<=-14.06	PASS
	Ant1	2437	Reference	7.38	7.38	---	PASS
			30~1000	7.38	-45.89	<=-12.62	PASS
			1000~26500	7.38	-30.71	<=-12.62	PASS
	Ant2	2437	Reference	6.77	6.77	---	PASS
			30~1000	6.77	-45.51	<=-13.23	PASS
			1000~26500	6.77	-30.8	<=-13.23	PASS
11AX20MIMO	Ant1	2462	Reference	5.80	5.80	---	PASS
			30~1000	5.80	-45.56	<=-14.2	PASS
			1000~26500	5.80	-30.23	<=-14.2	PASS
	Ant2	2462	Reference	6.96	6.96	---	PASS
			30~1000	6.96	-45.78	<=-13.04	PASS
			1000~26500	6.96	-31.21	<=-13.04	PASS
	Ant1	2412	Reference	7.69	7.69	---	PASS
			30~1000	7.69	-45.61	<=-12.31	PASS
			1000~26500	7.69	-30.75	<=-12.31	PASS
	Ant2	2412	Reference	6.00	6.00	---	PASS
			30~1000	6.00	-45.61	<=-14	PASS
			1000~26500	6.00	-29.97	<=-14	PASS
	Ant1	2437	Reference	6.55	6.55	---	PASS
			30~1000	6.55	-45.86	<=-13.45	PASS
			1000~26500	6.55	-30.8	<=-13.45	PASS
	Ant2	2437	Reference	6.02	6.02	---	PASS
			30~1000	6.02	-46.11	<=-13.98	PASS
			1000~26500	6.02	-30.58	<=-13.98	PASS
	Ant1	2462	Reference	4.84	4.84	---	PASS
			30~1000	4.84	-45.44	<=-15.16	PASS
			1000~26500	4.84	-29.85	<=-15.16	PASS
	Ant2	2462	Reference	6.40	6.40	---	PASS
			30~1000	6.40	-46.28	<=-13.6	PASS
			1000~26500	6.40	-30.95	<=-13.6	PASS

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except with the written permission of the Company. Any unauthorized use, reproduction or distribution of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /Inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com



No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn

中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11AX20-242T	Ant1	2412	Reference	4.93	4.93	---	PASS
			30~1000	4.93	-45.64	<=-15.07	PASS
			1000~106500	4.93	-31.02	<=-15.07	PASS
	Ant2	2412	Reference	2.93	2.93	---	PASS
			30~1000	2.93	-45.14	<=-17.07	PASS
			1000~106500	2.93	-30.43	<=-17.07	PASS
	Ant1	2437	Reference	5.05	5.05	---	PASS
			30~1000	5.05	-45.34	<=-14.95	PASS
			1000~106500	5.05	-30.86	<=-14.95	PASS
	Ant2	2437	Reference	5.09	5.09	---	PASS
			30~1000	5.09	-45.5	<=-14.91	PASS
			1000~106500	5.09	-30.13	<=-14.91	PASS
11AX20-242T-MIMO	Ant1	2462	Reference	4.44	4.44	---	PASS
			30~1000	4.44	-44.5	<=-15.56	PASS
			1000~106500	4.44	-29.13	<=-15.56	PASS
	Ant2	2462	Reference	4.39	4.39	---	PASS
			30~1000	4.39	-45.89	<=-15.61	PASS
			1000~106500	4.39	-30.53	<=-15.61	PASS
	Ant1	2412	Reference	5.16	5.16	---	PASS
			30~1000	5.16	-45.51	<=-14.84	PASS
			1000~106500	5.16	-30.53	<=-14.84	PASS
	Ant2	2412	Reference	4.59	4.59	---	PASS
			30~1000	4.59	-44.78	<=-15.41	PASS
			1000~106500	4.59	-30.4	<=-15.41	PASS
	Ant1	2437	Reference	4.71	4.71	---	PASS
			30~1000	4.71	-45.16	<=-15.29	PASS
			1000~106500	4.71	-30.77	<=-15.29	PASS
	Ant2	2437	Reference	3.57	3.57	---	PASS
			30~1000	3.57	-45.2	<=-16.43	PASS
			1000~106500	3.57	-30.71	<=-16.43	PASS
	Ant1	2462	Reference	5.74	5.74	---	PASS
			30~1000	5.74	-44.82	<=-14.106	PASS
			1000~106500	5.74	-30.106	<=-14.106	PASS
	Ant2	2462	Reference	5.21	5.21	---	PASS
			30~1000	5.21	-44.95	<=-14.79	PASS
			1000~106500	5.21	-30.97	<=-14.79	PASS

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except with the written permission of the Company. Any unauthorized use, reproduction or communication of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /Inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Inspection & Testing Services Laboratory

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

**Duty Cycle
Test Result**

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	12.59	12.61	99.84	---	PASS
	Ant2	2412	12.58	12.60	99.84	---	PASS
	Ant1	2437	12.59	12.61	99.84	---	PASS
	Ant2	2437	12.58	12.60	99.84	---	PASS
	Ant1	2462	12.58	12.60	99.84	---	PASS
	Ant2	2462	12.59	12.61	99.84	---	PASS
11G	Ant1	2412	2.08	2.10	99.05	---	PASS
	Ant2	2412	2.08	2.10	99.05	---	PASS
	Ant1	2437	2.08	2.10	99.05	---	PASS
	Ant2	2437	2.08	2.10	99.05	---	PASS
	Ant1	2462	2.08	2.10	99.05	---	PASS
	Ant2	2462	2.08	2.10	99.05	---	PASS
11N20SISO	Ant1	2412	5.39	5.41	99.63	---	PASS
	Ant2	2412	5.39	5.41	99.63	---	PASS
	Ant1	2437	5.39	5.41	99.63	---	PASS
	Ant2	2437	5.39	5.41	99.63	---	PASS
	Ant1	2462	5.39	5.41	99.63	---	PASS
	Ant2	2462	5.39	5.41	99.63	---	PASS
11AC20SISO	Ant1	2412	5.39	5.41	99.63	---	PASS
	Ant2	2412	5.39	5.41	99.63	---	PASS
	Ant1	2437	5.39	5.41	99.63	---	PASS
	Ant2	2437	5.39	5.41	99.63	---	PASS
	Ant1	2462	5.39	5.41	99.63	---	PASS
	Ant2	2462	5.39	5.41	99.63	---	PASS
11B-CDD	Ant1	2412	12.58	12.60	99.84	---	PASS
	Ant2	2412	12.58	12.60	99.84	---	PASS
	Ant1	2437	12.59	12.61	99.84	---	PASS
	Ant2	2437	12.59	12.60	99.92	---	PASS
	Ant1	2462	12.59	12.60	99.92	---	PASS
	Ant2	2462	12.58	12.60	99.84	---	PASS
11G-CDD	Ant1	2412	2.08	2.10	99.05	---	PASS
	Ant2	2412	2.08	2.10	99.05	---	PASS
	Ant1	2437	2.08	2.10	99.05	---	PASS
	Ant2	2437	2.08	2.10	99.05	---	PASS
	Ant1	2462	2.08	2.10	99.05	---	PASS
	Ant2	2462	2.08	2.10	99.05	---	PASS
11N20MIMO	Ant1	2412	5.39	5.41	99.63	---	PASS
	Ant2	2412	5.40	5.42	99.63	---	PASS
	Ant1	2437	5.39	5.41	99.63	---	PASS
	Ant2	2437	5.39	5.41	99.63	---	PASS
	Ant1	2462	5.39	5.41	99.63	---	PASS
	Ant2	2462	5.39	5.41	99.63	---	PASS
11AC20MIMO	Ant1	2412	5.39	5.41	99.63	---	PASS
	Ant2	2412	5.39	5.41	99.63	---	PASS
	Ant1	2437	5.39	5.41	99.63	---	PASS
	Ant2	2437	5.39	5.41	99.63	---	PASS

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except with the written permission of the Company. Any unauthorized use, reproduction or distribution of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /Inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn

中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com





SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Report No.: ZR/2020/B003604-01

Page: 25 of 25

	Ant1	2462	5.39	5.41	99.63	---	PASS
	Ant2	2462	5.39	5.41	99.63	---	PASS

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11AX20SISO	Ant1	2412	4.64	4.66	99.57
	Ant2	2412	5.41	5.43	99.63
	Ant1	2437	5.41	5.43	99.63
	Ant2	2437	5.41	5.43	99.63
	Ant1	2462	5.41	5.43	99.63
	Ant2	2462	5.41	5.43	99.63
11AX20MIMO	Ant1	2412	5.41	5.43	99.63
	Ant2	2412	5.41	5.43	99.63
	Ant1	2437	5.41	5.43	99.63
	Ant2	2437	5.41	5.43	99.63
	Ant1	2462	5.41	5.43	99.63
	Ant2	2462	5.41	5.43	99.63

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11AX20-242T	Ant1	2412	4.65	4.68	99.36	---	PASS
	Ant2	2412	4.65	4.68	99.36	---	PASS
	Ant1	2437	4.65	4.68	99.36	---	PASS
	Ant2	2437	4.65	4.68	99.36	---	PASS
	Ant1	2462	4.65	4.67	99.57	---	PASS
	Ant2	2462	4.65	4.68	99.36	---	PASS
11AX20-242T-MIMO	Ant1	2412	4.65	4.68	99.36	---	PASS
	Ant2	2412	4.65	4.68	99.36	---	PASS
	Ant1	2437	4.65	4.68	99.36	---	PASS
	Ant2	2437	4.65	4.68	99.36	---	PASS
	Ant1	2462	4.65	4.67	99.57	---	PASS
	Ant2	2462	4.65	4.68	99.36	---	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except with the written permission of the Company. Any unauthorized use, reproduction or distribution of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /Inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com