11AC20MIMO_Ant2_5745

11AC20MIMO_Ant1_5785

11AC20MIMO_Ant2_5785

11AC20MIMO_Ant1_5825

11AC20MIMO_Ant2_5825

11AC40MIMO_Ant1_5190

11AC40MIMO_Ant2_5190

11AC40MIMO_Ant1_5230

11AC40MIMO_Ant2_5230

11AC40MIMO_Ant1_5270

11AC40MIMO_Ant2_5270

11AC40MIMO_Ant1_5310

UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch   FORM No.: 10-SL-F0089

This report shall not be reproduced except in full, without the written approval of UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch.

11AC40MIMO_Ant2_5310

11AC40MIMO_Ant1_5510

11AC40MIMO_Ant2_5510

UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch   FORM No.: 10-SL-F0089

This report shall not be reproduced except in full, without the written approval of UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch.

11AC40MIMO_Ant1_5550

11AC40MIMO_Ant2_5550

11AC40MIMO_Ant1_5670

11AC40MIMO_Ant2_5670

11AC40MIMO_Ant1_5710

11AC40MIMO_Ant2_5710

11AC40MIMO_Ant1_5755

11AC40MIMO_Ant2_5755

11AC40MIMO_Ant1_5795

11AC40MIMO_Ant2_5795

11AC80MIMO_Ant1_5210

11AC80MIMO_Ant2_5210

UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch   FORM No.: 10-SL-F0089

This report shall not be reproduced except in full, without the written approval of UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch.

11AC80MIMO_Ant1_5290

11AC80MIMO_Ant2_5290

11AC80MIMO_Ant1_5530

11AC80MIMO_Ant2_5530

11AC80MIMO_Ant1_5610

11AC80MIMO_Ant2_5610

11AC80MIMO_Ant1_5690

11AC80MIMO_Ant2_5690

11AC80MIMO_Ant1_5775

UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch   FORM No.: 10-SL-F0089

This report shall not be reproduced except in full, without the written approval of UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch.

11AC80MIMO_Ant2_5775

UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch   FORM No.: 10-SL-F0089

This report shall not be reproduced except in full, without the written approval of UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch.

12.2. Appendix A2: Occupied channel bandwidth
12.2.1. Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Verdict
11A20	Ant1	5180	16.694	5171.670	5188.364	PASS
	Ant2	5180	16.730	5171.634	5188.364	PASS
	Ant1	5200	16.950	5191.568	5208.518	PASS
	Ant2	5200	16.741	5191.681	5208.422	PASS
	Ant1	5240	16.739	5231.599	5248.338	PASS
	Ant2	5240	16.753	5231.671	5248.424	PASS
	Ant1	5260	16.777	5251.619	5268.396	PASS
	Ant2	5260	16.813	5251.644	5268.457	PASS
	Ant1	5280	16.754	5271.678	5288.432	PASS
	Ant2	5280	16.881	5271.541	5288.422	PASS
	Ant1	5320	16.758	5311.611	5328.369	PASS
	Ant2	5320	16.740	5311.665	5328.405	PASS
	Ant1	5500	16.770	5491.651	5508.421	PASS
	Ant2	5500	16.745	5491.733	5508.478	PASS
	Ant1	5580	16.724	5571.671	5588.395	PASS
	Ant2	5580	16.861	5571.630	5588.491	PASS
	Ant1	5700	16.780	5691.643	5708.423	PASS
	Ant2	5700	16.842	5691.672	5708.514	PASS
	Ant1	5720	16.893	5711.619	5728.512	PASS
	Ant2	5720	16.766	5711.671	5728.437	PASS
	Ant1	5720_UNII-2C	13.381	5711.619	5725	PASS
	Ant2	5720_UNII-2C	13.329	5711.671	5725	PASS
	Ant1	5720_UNII-3	3.512	5725	5728.512	PASS
	Ant2	5720_UNII-3	3.437	5725	5728.437	PASS
	Ant1	5745	16.803	5736.597	5753.400	PASS
	Ant2	5745	16.817	5736.654	5753.471	PASS
	Ant1	5785	16.703	5776.640	5793.343	PASS
	Ant2	5785	16.788	5776.651	5793.439	PASS
	Ant1	5825	16.704	5816.691	5833.395	PASS
	Ant2	5825	16.888	5816.575	5833.463	PASS
11N20MIMO	Ant1	5180	17.842	5171.102	5188.944	PASS
	Ant2	5180	17.756	5171.172	5188.928	PASS
	Ant1	5200	17.780	5191.049	5208.829	PASS
	Ant2	5200	17.754	5191.125	5208.879	PASS
	Ant1	5240	17.821	5231.030	5248.851	PASS
	Ant2	5240	17.836	5231.034	5248.870	PASS
	Ant1	5260	17.754	5251.100	5268.854	PASS
	Ant2	5260	17.744	5251.092	5268.836	PASS
	Ant1	5280	17.774	5271.071	5288.845	PASS
	Ant2	5280	17.807	5271.059	5288.866	PASS
	Ant1	5320	17.773	5311.061	5328.834	PASS
	Ant2	5320	17.797	5311.036	5328.833	PASS
	Ant1	5500	17.771	5491.017	5508.788	PASS
	Ant2	5500	17.762	5491.083	5508.845	PASS
	Ant1	5580	17.830	5571.059	5588.889	PASS
	Ant2	5580	17.843	5571.010	5588.853	PASS
	Ant1	5700	17.757	5691.022	5708.779	PASS
	Ant2	5700	17.772	5691.043	5708.815	PASS
	Ant1	5720	17.776	5711.073	5728.849	PASS
	Ant2	5720	17.772	5711.040	5728.812	PASS
	Ant1	5720_UNII-2C	13.927	5711.073	5725	PASS
	Ant2	5720_UNII-2C	13.96	5711.040	5725	PASS

	Ant1	5720_UNII-3	3.849	5725	5728.849	PASS
	Ant2	5720_UNII-3	3.812	5725	5728.812	PASS
	Ant1	5745	17.802	5736.004	5753.806	PASS
	Ant2	5745	17.782	5735.992	5753.774	PASS
	Ant1	5785	17.758	5776.007	5793.765	PASS
	Ant2	5785	17.794	5775.985	5793.779	PASS
	Ant1	5825	17.834	5815.993	5833.827	PASS
	Ant2	5825	17.757	5816.048	5833.805	PASS
11N40MIMO	Ant1	5190	36.235	5171.900	5208.135	PASS
	Ant2	5190	36.232	5171.949	5208.181	PASS
	Ant1	5230	36.210	5211.847	5248.057	PASS
	Ant2	5230	36.226	5211.914	5248.140	PASS
	Ant1	5270	36.228	5251.864	5288.092	PASS
	Ant2	5270	36.117	5251.944	5288.061	PASS
	Ant1	5310	36.296	5291.846	5328.142	PASS
	Ant2	5310	36.318	5291.754	5328.072	PASS
	Ant1	5510	36.369	5491.800	5528.169	PASS
	Ant2	5510	36.328	5491.824	5528.152	PASS
	Ant1	5550	36.309	5531.835	5568.144	PASS
	Ant2	5550	36.311	5531.843	5568.154	PASS
	Ant1	5670	36.359	5651.758	5688.117	PASS
	Ant2	5670	36.306	5651.865	5688.171	PASS
	Ant1	5710	36.324	5691.733	5728.057	PASS
	Ant2	5710	36.319	5691.775	5728.094	PASS
	Ant1	5710_UNII-2C	33.267	5691.733	5725	PASS
	Ant2	5710_UNII-2C	33.225	5691.775	5725	PASS
	Ant1	5710_UNII-3	3.057	5725	5728.057	PASS
	Ant2	5710_UNII-3	3.094	5725	5728.094	PASS
	Ant1	5755	36.378	5736.763	5773.141	PASS
	Ant2	5755	36.451	5736.674	5773.125	PASS
	Ant1	5795	36.395	5776.731	5813.126	PASS
	Ant2	5795	36.361	5776.797	5813.158	PASS
11AC20MIMO	Ant1	5180	17.761	5171.086	5188.847	PASS
	Ant2	5180	17.805	5171.105	5188.910	PASS
	Ant1	5200	17.800	5191.041	5208.841	PASS
	Ant2	5200	17.789	5191.088	5208.877	PASS
	Ant1	5240	17.738	5231.020	5248.758	PASS
	Ant2	5240	17.757	5231.078	5248.835	PASS
	Ant1	5260	17.771	5251.073	5268.844	PASS
	Ant2	5260	17.793	5251.000	5268.793	PASS
	Ant1	5280	17.806	5270.963	5288.769	PASS
	Ant2	5280	17.805	5270.974	5288.779	PASS
	Ant1	5320	17.727	5311.057	5328.784	PASS
	Ant2	5320	17.858	5310.996	5328.854	PASS
	Ant1	5500	17.800	5490.992	5508.792	PASS
	Ant2	5500	17.724	5491.086	5508.810	PASS
	Ant1	5580	17.771	5571.033	5588.804	PASS
	Ant2	5580	17.720	5571.052	5588.772	PASS
	Ant1	5700	17.682	5691.078	5708.760	PASS
	Ant2	5700	17.729	5691.067	5708.796	PASS
	Ant1	5720	17.780	5711.134	5728.914	PASS
	Ant2	5720	17.804	5711.075	5728.879	PASS
	Ant1	5720_UNII-2C	13.866	5711.134	5725	PASS
	Ant2	5720_UNII-2C	13.925	5711.075	5725	PASS
	Ant1	5720_UNII-3	3.914	5725	5728.914	PASS
	Ant2	5720_UNII-3	3.879	5725	5728.879	PASS
	Ant1	5745	17.789	5736.077	5753.866	PASS
	Ant2	5745	17.779	5736.043	5753.822	PASS
	Ant1	5785	17.809	5776.009	5793.818	PASS
	Ant2	5785	17.744	5776.060	5793.804	PASS

UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch   FORM No.: 10-SL-F0089

This report shall not be reproduced except in full, without the written approval of UL Verification Services
(Guangzhou) Co., Ltd, Song Shan Lake Branch.

	Ant1	5825	17.709	5816.134	5833.843	PASS
	Ant2	5825	17.793	5816.047	5833.840	PASS
11AC40MIMO	Ant1	5190	36.405	5171.771	5208.176	PASS
	Ant2	5190	36.320	5171.870	5208.190	PASS
	Ant1	5230	36.277	5211.862	5248.139	PASS
	Ant2	5230	36.372	5211.851	5248.223	PASS
	Ant1	5270	36.273	5251.833	5288.106	PASS
	Ant2	5270	36.446	5251.798	5288.244	PASS
	Ant1	5310	36.330	5291.865	5328.195	PASS
	Ant2	5310	36.272	5291.845	5328.117	PASS
	Ant1	5510	36.287	5491.840	5528.127	PASS
	Ant2	5510	36.364	5491.854	5528.218	PASS
	Ant1	5550	36.297	5531.864	5568.161	PASS
	Ant2	5550	36.246	5531.902	5568.148	PASS
	Ant1	5670	36.354	5651.821	5688.175	PASS
	Ant2	5670	36.349	5651.824	5688.173	PASS
	Ant1	5710	36.271	5691.850	5728.121	PASS
	Ant2	5710	36.309	5691.862	5728.171	PASS
	Ant1	5710_UNII-2C	33.15	5691.850	5725	PASS
	Ant2	5710_UNII-2C	33.138	5691.862	5725	PASS
	Ant1	5710_UNII-3	3.121	5725	5728.121	PASS
	Ant2	5710_UNII-3	3.171	5725	5728.171	PASS
	Ant1	5755	36.255	5736.876	5773.131	PASS
	Ant2	5755	36.344	5736.798	5773.142	PASS
	Ant1	5795	36.297	5776.839	5813.136	PASS
	Ant2	5795	36.291	5776.801	5813.092	PASS
11AC80MIMO	Ant1	5210	76.199	5171.935	5248.134	PASS
	Ant2	5210	76.243	5171.997	5248.240	PASS
	Ant1	5290	76.384	5251.916	5328.300	PASS
	Ant2	5290	75.977	5252.167	5328.144	PASS
	Ant1	5530	76.332	5491.979	5568.311	PASS
	Ant2	5530	76.219	5492.013	5568.232	PASS
	Ant1	5610	76.042	5572.003	5648.045	PASS
	Ant2	5610	76.329	5571.872	5648.201	PASS
	Ant1	5690	76.166	5651.961	5728.127	PASS
	Ant2	5690	76.371	5651.874	5728.245	PASS
	Ant1	5690_UNII-2C	73.039	5651.961	5725	PASS
	Ant2	5690_UNII-2C	73.126	5651.874	5725	PASS
	Ant1	5690_UNII-3	3.127	5725	5728.127	PASS
	Ant2	5690_UNII-3	3.245	5725	5728.245	PASS
	Ant1	5775	76.120	5737.067	5813.187	PASS
	Ant2	5775	76.441	5736.779	5813.220	PASS

UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch   FORM No.: 10-SL-F0089

This report shall not be reproduced except in full, without the written approval of UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch.

12.2.2. Test Graphs

11A_Ant1_5180

11A_Ant2_5180

11A_Ant1_5200

11A_Ant2_5200

11A_Ant1_5240

11A_Ant2_5240

11A_Ant1_5260

11A_Ant2_5260

11A_Ant1_5280

11A_Ant2_5280

11A_Ant1_5320

11A_Ant2_5320

11A_Ant1_5500

11A_Ant2_5500

11A_Ant1_5580

11A_Ant2_5580

11A_Ant1_5700

11A_Ant2_5700

11A_Ant1_5720	

11A_Ant2_5720	

11A_Ant1_5745	

11A_Ant2_5745

11A_Ant1_5785

11A_Ant2_5785

11A_Ant1_5825

11A_Ant2_5825

11N20MIMO_Ant1_5180

11N20MIMO_Ant2_5180

11N20MIMO_Ant1_5200

11N20MIMO_Ant2_5200

11N20MIMO_Ant1_5240

11N20MIMO_Ant2_5240

11N20MIMO_Ant1_5260

11N20MIMO_Ant2_5260

11N20MIMO_Ant1_5280

11N20MIMO_Ant2_5280

11N20MIMO_Ant1_5320

11N20MIMO_Ant2_5320

11N20MIMO_Ant1_5500

UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch   FORM No.: 10-SL-F0089

This report shall not be reproduced except in full, without the written approval of UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch.

11N20MIMO_Ant2_5500

11N20MIMO_Ant1_5580

11N20MIMO_Ant2_5580

11N20MIMO_Ant1_5700

11N20MIMO_Ant2_5700

11N20MIMO_Ant1_5720

UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch   FORM No.: 10-SL-F0089

This report shall not be reproduced except in full, without the written approval of UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch.

11N20MIMO_Ant2_5720

11N20MIMO_Ant1_5745

11N20MIMO_Ant2_5745

11N20MIMO_Ant1_5785

11N20MIMO_Ant2_5785

11N20MIMO_Ant1_5825

11N20MIMO_Ant2_5825

11N40MIMO_Ant1_5190

11N40MIMO_Ant2_5190

11N40MIMO_Ant1_5230

Occupied Bandwidth **36.210 MHz** — Total Power 19.9 dBm
Transmit Freq Error −48.166 kHz — % of OBW Power 99.00 %
x dB Bandwidth 40.99 MHz — x dB −26.00 dB

11N40MIMO_Ant2_5230

Occupied Bandwidth **36.226 MHz** — Total Power 19.1 dBm
Transmit Freq Error 26.885 kHz — % of OBW Power 99.00 %
x dB Bandwidth 40.65 MHz — x dB −26.00 dB

11N40MIMO_Ant1_5270

Occupied Bandwidth **36.228 MHz** — Total Power 20.5 dBm
Transmit Freq Error −22.325 kHz — % of OBW Power 99.00 %
x dB Bandwidth 40.39 MHz — x dB −26.00 dB

11N40MIMO_Ant2_5270

11N40MIMO_Ant1_5310

11N40MIMO_Ant2_5310

11N40MIMO_Ant1_5510

11N40MIMO_Ant2_5510

11N40MIMO_Ant1_5550

UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch   FORM No.: 10-SL-F0089

This report shall not be reproduced except in full, without the written approval of UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch.

11N40MIMO_Ant2_5550

11N40MIMO_Ant1_5670

11N40MIMO_Ant2_5670

11N40MIMO_Ant1_5710

11N40MIMO_Ant2_5710

11N40MIMO_Ant1_5755

11N40MIMO_Ant2_5755

11N40MIMO_Ant1_5795

11N40MIMO_Ant2_5795

11AC20MIMO_Ant1_5180

11AC20MIMO_Ant2_5180

11AC20MIMO_Ant1_5200

11AC20MIMO_Ant2_5200

11AC20MIMO_Ant1_5240

11AC20MIMO_Ant2_5240

11AC20MIMO_Ant1_5260

11AC20MIMO_Ant2_5260

11AC20MIMO_Ant1_5280

11AC20MIMO_Ant2_5280

11AC20MIMO_Ant1_5320

11AC20MIMO_Ant2_5320

11AC20MIMO_Ant1_5500

11AC20MIMO_Ant2_5500

11AC20MIMO_Ant1_5580

11AC20MIMO_Ant2_5580

11AC20MIMO_Ant1_5700

11AC20MIMO_Ant2_5700

11AC20MIMO_Ant1_5720

11AC20MIMO_Ant2_5720

11AC20MIMO_Ant1_5745

UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch   FORM No.: 10-SL-F0089

This report shall not be reproduced except in full, without the written approval of UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch.

11AC20MIMO_Ant2_5745

11AC20MIMO_Ant1_5785

11AC20MIMO_Ant2_5785

11AC20MIMO_Ant1_5825

11AC20MIMO_Ant2_5825

11AC40MIMO_Ant1_5190

11AC40MIMO_Ant2_5190

11AC40MIMO_Ant1_5230

11AC40MIMO_Ant2_5230

11AC40MIMO_Ant1_5270

11AC40MIMO_Ant2_5270

11AC40MIMO_Ant1_5310

11AC40MIMO_Ant2_5310

11AC40MIMO_Ant1_5510

11AC40MIMO_Ant2_5510

11AC40MIMO_Ant1_5550

11AC40MIMO_Ant2_5550

11AC40MIMO_Ant1_5670

11AC40MIMO_Ant2_5670

11AC40MIMO_Ant1_5710

11AC40MIMO_Ant2_5710

UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch   FORM No.: 10-SL-F0089

This report shall not be reproduced except in full, without the written approval of UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch.

11AC40MIMO_Ant1_5755

11AC40MIMO_Ant2_5755

11AC40MIMO_Ant1_5795