

## A.2 OCCUPIED BANDWIDTH

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.0896	1.270	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.0945	1.271	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.0977	1.267	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.0961	1.284	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.0996	1.286	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.0989	1.288	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.6883	2.938	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.6860	2.945	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.6923	2.963	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.6796	2.961	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.6871	2.943	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.6897	2.969	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.5023	4.920	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.4947	4.901	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.5061	5.084	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.4944	4.899	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.5012	4.927	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.5153	5.486	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.9767	9.765	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.9573	9.777	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.9620	9.719	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.9740	9.747	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.9741	9.784	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.9875	9.722	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.478	14.63	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.447	14.64	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.446	14.57	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.454	14.64	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.472	14.64	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.505	14.59	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.959	19.33	PASS
Band2	20MHz	QPSK	18900	100RB#0	17.972	19.57	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.933	19.25	PASS
Band2	20MHz	16QAM	18700	100RB#0	18.003	19.41	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.942	19.34	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.958	19.44	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	1.0935	1.275	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.0982	1.275	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.0999	1.292	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.0984	1.283	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.0950	1.278	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.0886	1.265	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.6916	2.943	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.6889	2.937	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.6948	2.970	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.6804	2.961	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.6829	2.958	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.6865	2.971	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.5011	4.925	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.4949	4.908	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.5041	4.919	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.5012	4.893	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.5015	4.933	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.5135	4.928	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.9718	9.783	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.9650	9.754	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.9582	9.771	PASS

### Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F, Block A, Building 6th, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, China

Tel: +86-755-28230888

Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

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Band4	10MHz	16QAM	20000	50RB#0	8.9796	9.734	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.9809	9.790	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.9623	9.711	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.480	14.67	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.460	14.82	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.437	14.61	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.488	14.59	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.494	14.58	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.479	14.64	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.957	19.32	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.937	19.54	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.920	19.32	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.965	19.41	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.940	19.29	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.922	19.43	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	1.0949	1.271	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0939	1.273	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.1011	1.289	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0964	1.286	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0990	1.281	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0900	1.262	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.6927	2.947	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.6882	2.950	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.6945	2.967	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.6843	2.964	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6841	2.950	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6900	2.973	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5044	4.922	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.4949	4.906	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5015	4.904	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.4972	4.893	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5037	4.931	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5103	4.924	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9610	9.731	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9759	9.789	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9543	9.754	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9729	9.732	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9708	9.750	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9655	9.754	PASS
Band7	5MHz	QPSK	20775	25RB#0	4.5010	4.926	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.4914	4.909	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.5028	4.911	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.4971	4.892	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.5077	4.938	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.5169	4.928	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.9777	9.787	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.9952	9.736	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.9635	9.745	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.9575	9.729	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.9737	9.754	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.9665	9.744	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.471	14.64	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.473	14.57	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.425	14.56	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.468	14.61	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.502	14.58	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.448	14.60	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.964	19.34	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.961	19.45	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.883	19.31	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.951	19.36	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.933	19.32	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.926	19.42	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	1.0954	1.272	PASS

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Band12	1.4MHz	QPSK	23095	6RB#0	1.0958	1.274	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0989	1.297	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.0994	1.286	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.0962	1.277	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.0904	1.258	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.6863	2.942	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.6873	2.933	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.6858	2.967	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.6789	2.951	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.6810	2.947	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.6886	2.970	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.5071	4.926	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.4900	4.895	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.5053	4.919	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.5022	4.891	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.4979	4.929	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.5200	4.933	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.9727	9.756	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.9618	9.729	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9713	9.705	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.9622	9.712	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.9527	9.714	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.9861	9.689	PASS
Band13	5MHz	QPSK	23205	25RB#0	4.5024	4.917	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.4991	4.938	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.4917	4.897	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.5150	4.930	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.4964	5.050	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.4950	4.921	PASS
Band13	10MHz	QPSK	23230	50RB#0	8.9531	9.708	PASS
Band13	10MHz	16QAM	23230	50RB#0	8.9511	9.682	PASS
Band17	5MHz	QPSK	23755	25RB#0	4.4888	5.069	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.5069	4.902	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.5067	4.918	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.4981	4.920	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.5179	4.920	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.4986	4.894	PASS
Band17	10MHz	QPSK	23780	50RB#0	8.9673	9.913	PASS
Band17	10MHz	QPSK	23790	50RB#0	8.9794	9.752	PASS
Band17	10MHz	QPSK	23800	50RB#0	8.9704	9.735	PASS
Band17	10MHz	16QAM	23780	50RB#0	8.9638	9.721	PASS
Band17	10MHz	16QAM	23790	50RB#0	8.9744	9.738	PASS
Band17	10MHz	16QAM	23800	50RB#0	8.9867	9.693	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	1.0931	1.262	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	1.0961	1.280	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	1.0979	1.289	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	1.0978	1.288	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	1.0967	1.280	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	1.0891	1.265	PASS
Band66	3MHz	QPSK	131987	15RB#0	2.6890	2.939	PASS
Band66	3MHz	QPSK	132322	15RB#0	2.6856	2.939	PASS
Band66	3MHz	QPSK	132657	15RB#0	2.6899	2.968	PASS
Band66	3MHz	16QAM	131987	15RB#0	2.6805	2.959	PASS
Band66	3MHz	16QAM	132322	15RB#0	2.6826	2.977	PASS
Band66	3MHz	16QAM	132657	15RB#0	2.6861	2.963	PASS
Band66	5MHz	QPSK	131997	25RB#0	4.5000	4.924	PASS
Band66	5MHz	QPSK	132322	25RB#0	4.4939	4.900	PASS
Band66	5MHz	QPSK	132647	25RB#0	4.5056	4.917	PASS
Band66	5MHz	16QAM	131997	25RB#0	4.5001	4.893	PASS
Band66	5MHz	16QAM	132322	25RB#0	4.4991	4.927	PASS
Band66	5MHz	16QAM	132647	25RB#0	4.5117	4.931	PASS
Band66	10MHz	QPSK	132022	50RB#0	8.9784	9.960	PASS
Band66	10MHz	QPSK	132322	50RB#0	8.9753	9.751	PASS
Band66	10MHz	QPSK	132622	50RB#0	8.9639	9.710	PASS

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E-mail: info@uttlab.com

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Band66	10MHz	16QAM	132022	50RB#0	8.9862	9.785	PASS
Band66	10MHz	16QAM	132322	50RB#0	8.9589	9.766	PASS
Band66	10MHz	16QAM	132622	50RB#0	8.9735	9.706	PASS
Band66	15MHz	QPSK	132047	75RB#0	13.492	14.74	PASS
Band66	15MHz	QPSK	132322	75RB#0	13.447	14.69	PASS
Band66	15MHz	QPSK	132597	75RB#0	13.429	14.52	PASS
Band66	15MHz	16QAM	132047	75RB#0	13.472	14.63	PASS
Band66	15MHz	16QAM	132322	75RB#0	13.468	14.64	PASS
Band66	15MHz	16QAM	132597	75RB#0	13.474	14.57	PASS
Band66	20MHz	QPSK	132072	100RB#0	17.947	19.33	PASS
Band66	20MHz	QPSK	132322	100RB#0	17.940	19.51	PASS
Band66	20MHz	QPSK	132572	100RB#0	17.898	19.33	PASS
Band66	20MHz	16QAM	132072	100RB#0	17.953	19.38	PASS
Band66	20MHz	16QAM	132322	100RB#0	17.930	19.31	PASS
Band66	20MHz	16QAM	132572	100RB#0	17.944	19.45	PASS
Band71	5MHz	QPSK	133147	25RB#0	4.4987	4.914	PASS
Band71	5MHz	QPSK	133297	25RB#0	4.4969	4.896	PASS
Band71	5MHz	QPSK	133447	25RB#0	4.5007	4.910	PASS
Band71	5MHz	16QAM	133147	25RB#0	4.4956	4.895	PASS
Band71	5MHz	16QAM	133297	25RB#0	4.5075	5.045	PASS
Band71	5MHz	16QAM	133447	25RB#0	4.5097	4.917	PASS
Band71	10MHz	QPSK	133172	50RB#0	8.9460	9.713	PASS
Band71	10MHz	QPSK	133297	50RB#0	8.9878	9.748	PASS
Band71	10MHz	QPSK	133422	50RB#0	8.9264	9.708	PASS
Band71	10MHz	16QAM	133172	50RB#0	8.9529	9.696	PASS
Band71	10MHz	16QAM	133297	50RB#0	8.9818	9.754	PASS
Band71	10MHz	16QAM	133422	50RB#0	8.9456	9.709	PASS
Band71	15MHz	QPSK	133197	75RB#0	13.435	14.64	PASS
Band71	15MHz	QPSK	133297	75RB#0	13.482	14.59	PASS
Band71	15MHz	QPSK	133397	75RB#0	13.417	14.54	PASS
Band71	15MHz	16QAM	133197	75RB#0	13.407	14.57	PASS
Band71	15MHz	16QAM	133297	75RB#0	13.477	14.60	PASS
Band71	15MHz	16QAM	133397	75RB#0	13.462	14.57	PASS
Band71	20MHz	QPSK	133222	100RB#0	17.869	19.22	PASS
Band71	20MHz	QPSK	133322	100RB#0	18.022	19.46	PASS
Band71	20MHz	QPSK	133372	100RB#0	17.967	19.36	PASS
Band71	20MHz	16QAM	133222	100RB#0	17.882	19.27	PASS
Band71	20MHz	16QAM	133322	100RB#0	17.979	19.32	PASS
Band71	20MHz	16QAM	133372	100RB#0	17.970	19.42	PASS

Test Graphs





















































