



Shenzhen GUOREN Certification Technology Service Co., Ltd.

101#, Building K & Building T, The Second Industrial Zone, Jiazitang
Community, Fenghuang Street, Guangming District, Shenzhen, China

No.:GRCTR260602018-07

Band66	3MHz	16QAM	13232 2	15RB#0	NV	50	1820.00	1.042980	±NA	PASS
Band66	3MHz	QPSK	13265 7	15RB#0	NV	-30	1300.00	0.730953	±NA	PASS
Band66	3MHz	QPSK	13265 7	15RB#0	NV	-20	2420.00	1.360697	±NA	PASS
Band66	3MHz	QPSK	13265 7	15RB#0	NV	-10	2090.00	1.175148	±NA	PASS
Band66	3MHz	QPSK	13265 7	15RB#0	NV	0	1540.00	0.865898	±NA	PASS
Band66	3MHz	QPSK	13265 7	15RB#0	NV	10	1900.00	1.068316	±NA	PASS
Band66	3MHz	QPSK	13265 7	15RB#0	NV	20	2120.00	1.192016	±NA	PASS
Band66	3MHz	QPSK	13265 7	15RB#0	NV	30	1290.00	0.725330	±NA	PASS
Band66	3MHz	QPSK	13265 7	15RB#0	NV	40	2070.00	1.163902	±NA	PASS
Band66	3MHz	QPSK	13265 7	15RB#0	NV	50	1900.00	1.068316	±NA	PASS
Band66	3MHz	16QAM	13265 7	15RB#0	NV	-30	310.00	0.174304	±NA	PASS
Band66	3MHz	16QAM	13265 7	15RB#0	NV	-20	-30.00	-0.016868	±NA	PASS
Band66	3MHz	16QAM	13265 7	15RB#0	NV	-10	230.00	0.129322	±NA	PASS
Band66	3MHz	16QAM	13265 7	15RB#0	NV	0	1140.00	0.640990	±NA	PASS
Band66	3MHz	16QAM	13265 7	15RB#0	NV	10	330.00	0.185550	±NA	PASS
Band66	3MHz	16QAM	13265 7	15RB#0	NV	20	390.00	0.219286	±NA	PASS
Band66	3MHz	16QAM	13265 7	15RB#0	NV	30	-80.00	-0.044982	±NA	PASS
Band66	3MHz	16QAM	13265 7	15RB#0	NV	40	160.00	0.089963	±NA	PASS
Band66	3MHz	16QAM	13265 7	15RB#0	NV	50	720.00	0.404836	±NA	PASS
Band66	5MHz	QPSK	13199	25RB#0	NV	-30	-1730.00	-1.010219	±NA	PASS

**Shenzhen GUOREN Certification Technology Service Co., Ltd.**

101#, Building K & Building T, The Second Industrial Zone, Jiazitang
Community, Fenghuang Street, Guangming District, Shenzhen, China

No.:GRCTR260602018-07

			7							
Band66	5MHz	QPSK	13199 7	25RB#0	NV	-20	-690.00	-0.402920	±NA	PASS
Band66	5MHz	QPSK	13199 7	25RB#0	NV	-10	-2910.00	-1.699270	±NA	PASS
Band66	5MHz	QPSK	13199 7	25RB#0	NV	0	-1510.00	-0.881752	±NA	PASS
Band66	5MHz	QPSK	13199 7	25RB#0	NV	10	-1740.00	-1.016058	±NA	PASS
Band66	5MHz	QPSK	13199 7	25RB#0	NV	20	-620.00	-0.362044	±NA	PASS
Band66	5MHz	QPSK	13199 7	25RB#0	NV	30	-2630.00	-1.535766	±NA	PASS
Band66	5MHz	QPSK	13199 7	25RB#0	NV	40	-760.00	-0.443796	±NA	PASS
Band66	5MHz	QPSK	13199 7	25RB#0	NV	50	-1550.00	-0.905109	±NA	PASS
Band66	5MHz	16QAM	13199 7	25RB#0	NV	-30	2230.00	1.302190	±NA	PASS
Band66	5MHz	16QAM	13199 7	25RB#0	NV	-20	2000.00	1.167883	±NA	PASS
Band66	5MHz	16QAM	13199 7	25RB#0	NV	-10	970.00	0.566423	±NA	PASS
Band66	5MHz	16QAM	13199 7	25RB#0	NV	0	2590.00	1.512409	±NA	PASS
Band66	5MHz	16QAM	13199 7	25RB#0	NV	10	540.00	0.315328	±NA	PASS
Band66	5MHz	16QAM	13199 7	25RB#0	NV	20	2540.00	1.483212	±NA	PASS
Band66	5MHz	16QAM	13199 7	25RB#0	NV	30	2530.00	1.477372	±NA	PASS
Band66	5MHz	16QAM	13199 7	25RB#0	NV	40	3050.00	1.781022	±NA	PASS
Band66	5MHz	16QAM	13199 7	25RB#0	NV	50	2300.00	1.343066	±NA	PASS
Band66	5MHz	QPSK	13232 2	25RB#0	NV	-30	3000.00	1.719198	±NA	PASS
Band66	5MHz	QPSK	13232 2	25RB#0	NV	-20	1940.00	1.111748	±NA	PASS



Shenzhen GUOREN Certification Technology Service Co., Ltd.

101#, Building K & Building T, The Second Industrial Zone, Jiazitang
Community, Fenghuang Street, Guangming District, Shenzhen, China

No.:GRCTR260602018-07

Band66	5MHz	QPSK	13232 2	25RB#0	NV	-10	1420.00	0.813754	±NA	PASS
Band66	5MHz	QPSK	13232 2	25RB#0	NV	0	3590.00	2.057307	±NA	PASS
Band66	5MHz	QPSK	13232 2	25RB#0	NV	10	2350.00	1.346705	±NA	PASS
Band66	5MHz	QPSK	13232 2	25RB#0	NV	20	2260.00	1.295129	±NA	PASS
Band66	5MHz	QPSK	13232 2	25RB#0	NV	30	2210.00	1.266476	±NA	PASS
Band66	5MHz	QPSK	13232 2	25RB#0	NV	40	3160.00	1.810888	±NA	PASS
Band66	5MHz	QPSK	13232 2	25RB#0	NV	50	1110.00	0.636103	±NA	PASS
Band66	5MHz	16QAM	13232 2	25RB#0	NV	-30	4560.00	2.613181	±NA	PASS
Band66	5MHz	16QAM	13232 2	25RB#0	NV	-20	2330.00	1.335244	±NA	PASS
Band66	5MHz	16QAM	13232 2	25RB#0	NV	-10	4540.00	2.601719	±NA	PASS
Band66	5MHz	16QAM	13232 2	25RB#0	NV	0	3950.00	2.263610	±NA	PASS
Band66	5MHz	16QAM	13232 2	25RB#0	NV	10	4170.00	2.389685	±NA	PASS
Band66	5MHz	16QAM	13232 2	25RB#0	NV	20	3880.00	2.223496	±NA	PASS
Band66	5MHz	16QAM	13232 2	25RB#0	NV	30	2050.00	1.174785	±NA	PASS
Band66	5MHz	16QAM	13232 2	25RB#0	NV	40	3560.00	2.040115	±NA	PASS
Band66	5MHz	16QAM	13232 2	25RB#0	NV	50	4310.00	2.469914	±NA	PASS
Band66	5MHz	QPSK	13264 7	25RB#0	NV	-30	-2870.00	-1.614627	±NA	PASS
Band66	5MHz	QPSK	13264 7	25RB#0	NV	-20	-3660.00	-2.059072	±NA	PASS
Band66	5MHz	QPSK	13264 7	25RB#0	NV	-10	-3060.00	-1.721519	±NA	PASS
Band66	5MHz	QPSK	13264	25RB#0	NV	0	-4490.00	-2.526020	±NA	PASS

**Shenzhen GUOREN Certification Technology Service Co., Ltd.**

101#, Building K & Building T, The Second Industrial Zone, Jiazitang
Community, Fenghuang Street, Guangming District, Shenzhen, China

No.:GRCTR260602018-07

			7							
Band66	5MHz	QPSK	13264 7	25RB#0	NV	10	-610.00	-0.343179	±NA	PASS
Band66	5MHz	QPSK	13264 7	25RB#0	NV	20	-4620.00	-2.599156	±NA	PASS
Band66	5MHz	QPSK	13264 7	25RB#0	NV	30	1940.00	1.091421	±NA	PASS
Band66	5MHz	QPSK	13264 7	25RB#0	NV	40	-2210.00	-1.243319	±NA	PASS
Band66	5MHz	QPSK	13264 7	25RB#0	NV	50	-2140.00	-1.203938	±NA	PASS
Band66	5MHz	16QAM	13264 7	25RB#0	NV	-30	3150.00	1.772152	±NA	PASS
Band66	5MHz	16QAM	13264 7	25RB#0	NV	-20	3890.00	2.188467	±NA	PASS
Band66	5MHz	16QAM	13264 7	25RB#0	NV	-10	2350.00	1.322082	±NA	PASS
Band66	5MHz	16QAM	13264 7	25RB#0	NV	0	1000.00	0.562588	±NA	PASS
Band66	5MHz	16QAM	13264 7	25RB#0	NV	10	960.00	0.540084	±NA	PASS
Band66	5MHz	16QAM	13264 7	25RB#0	NV	20	3380.00	1.901547	±NA	PASS
Band66	5MHz	16QAM	13264 7	25RB#0	NV	30	2090.00	1.175809	±NA	PASS
Band66	5MHz	16QAM	13264 7	25RB#0	NV	40	3510.00	1.974684	±NA	PASS
Band66	5MHz	16QAM	13264 7	25RB#0	NV	50	3310.00	1.862166	±NA	PASS
Band66	10MHz	QPSK	13202 2	50RB#0	NV	-30	-7400.00	-4.314869	±NA	PASS
Band66	10MHz	QPSK	13202 2	50RB#0	NV	-20	-4780.00	-2.787172	±NA	PASS
Band66	10MHz	QPSK	13202 2	50RB#0	NV	-10	-5240.00	-3.055394	±NA	PASS
Band66	10MHz	QPSK	13202 2	50RB#0	NV	0	-8340.00	-4.862974	±NA	PASS
Band66	10MHz	QPSK	13202 2	50RB#0	NV	10	-8480.00	-4.944606	±NA	PASS



Shenzhen GUOREN Certification Technology Service Co., Ltd.

101#, Building K & Building T, The Second Industrial Zone, Jiazitang
Community, Fenghuang Street, Guangming District, Shenzhen, China

No.:GRCTR260602018-07

Band66	10MHz	QPSK	13202 2	50RB#0	NV	20	-6090.00	-3.551020	±NA	PASS
Band66	10MHz	QPSK	13202 2	50RB#0	NV	30	-8860.00	-5.166181	±NA	PASS
Band66	10MHz	QPSK	13202 2	50RB#0	NV	40	-7220.00	-4.209913	±NA	PASS
Band66	10MHz	QPSK	13202 2	50RB#0	NV	50	-7580.00	-4.419825	±NA	PASS
Band66	10MHz	QPSK	13232 2	50RB#0	NV	-30	-2150.00	-1.232092	±NA	PASS
Band66	10MHz	QPSK	13232 2	50RB#0	NV	-20	4400.00	2.521490	±NA	PASS
Band66	10MHz	QPSK	13232 2	50RB#0	NV	-10	1130.00	0.647564	±NA	PASS
Band66	10MHz	QPSK	13232 2	50RB#0	NV	0	1850.00	1.060172	±NA	PASS
Band66	10MHz	QPSK	13232 2	50RB#0	NV	10	4160.00	2.383954	±NA	PASS
Band66	10MHz	QPSK	13232 2	50RB#0	NV	20	-780.00	-0.446991	±NA	PASS
Band66	10MHz	QPSK	13232 2	50RB#0	NV	30	1770.00	1.014327	±NA	PASS
Band66	10MHz	QPSK	13232 2	50RB#0	NV	40	2800.00	1.604585	±NA	PASS
Band66	10MHz	QPSK	13232 2	50RB#0	NV	50	3190.00	1.828080	±NA	PASS
Band66	10MHz	QPSK	13262 2	50RB#0	NV	-30	5930.00	3.340845	±NA	PASS
Band66	10MHz	QPSK	13262 2	50RB#0	NV	-20	1450.00	0.816901	±NA	PASS
Band66	10MHz	QPSK	13262 2	50RB#0	NV	-10	6190.00	3.487324	±NA	PASS
Band66	10MHz	QPSK	13262 2	50RB#0	NV	0	2180.00	1.228169	±NA	PASS
Band66	10MHz	QPSK	13262 2	50RB#0	NV	10	3070.00	1.729577	±NA	PASS
Band66	10MHz	QPSK	13262 2	50RB#0	NV	20	3140.00	1.769014	±NA	PASS
Band66	10MHz	QPSK	13262	50RB#0	NV	30	2240.00	1.261972	±NA	PASS

**Shenzhen GUOREN Certification Technology Service Co., Ltd.**

101#, Building K & Building T, The Second Industrial Zone, Jiazitang
Community, Fenghuang Street, Guangming District, Shenzhen, China

No.:GRCTR260602018-07

			2							
Band66	10MHz	QPSK	13262 2	50RB#0	NV	40	6170.00	3.476056	±NA	PASS
Band66	10MHz	QPSK	13262 2	50RB#0	NV	50	-100.00	-0.056338	±NA	PASS
Band66	15MHz	QPSK	13204 7	75RB#0	NV	-30	4940.00	2.876274	±NA	PASS
Band66	15MHz	QPSK	13204 7	75RB#0	NV	-20	3870.00	2.253275	±NA	PASS
Band66	15MHz	QPSK	13204 7	75RB#0	NV	-10	1560.00	0.908297	±NA	PASS
Band66	15MHz	QPSK	13204 7	75RB#0	NV	0	220.00	0.128093	±NA	PASS
Band66	15MHz	QPSK	13204 7	75RB#0	NV	10	3040.00	1.770015	±NA	PASS
Band66	15MHz	QPSK	13204 7	75RB#0	NV	20	4390.00	2.556041	±NA	PASS
Band66	15MHz	QPSK	13204 7	75RB#0	NV	30	4970.00	2.893741	±NA	PASS
Band66	15MHz	QPSK	13204 7	75RB#0	NV	40	740.00	0.430859	±NA	PASS
Band66	15MHz	QPSK	13204 7	75RB#0	NV	50	-330.00	-0.192140	±NA	PASS
Band66	15MHz	QPSK	13232 2	75RB#0	NV	-30	880.00	0.504298	±NA	PASS
Band66	15MHz	QPSK	13232 2	75RB#0	NV	-20	3240.00	1.856734	±NA	PASS
Band66	15MHz	QPSK	13232 2	75RB#0	NV	-10	2040.00	1.169054	±NA	PASS
Band66	15MHz	QPSK	13232 2	75RB#0	NV	0	-1950.00	-1.117479	±NA	PASS
Band66	15MHz	QPSK	13232 2	75RB#0	NV	10	150.00	0.085960	±NA	PASS
Band66	15MHz	QPSK	13232 2	75RB#0	NV	20	440.00	0.252149	±NA	PASS
Band66	15MHz	QPSK	13232 2	75RB#0	NV	30	3020.00	1.730659	±NA	PASS
Band66	15MHz	QPSK	13232 2	75RB#0	NV	40	5320.00	3.048711	±NA	PASS



Shenzhen GUOREN Certification Technology Service Co., Ltd.

101#, Building K & Building T, The Second Industrial Zone, Jiazitang
Community, Fenghuang Street, Guangming District, Shenzhen, China

No.:GRCTR260602018-07

Band66	15MHz	QPSK	13232 2	75RB#0	NV	50	1430.00	0.819484	±NA	PASS
Band66	15MHz	QPSK	13259 7	75RB#0	NV	-30	-5730.00	-3.232722	±NA	PASS
Band66	15MHz	QPSK	13259 7	75RB#0	NV	-20	-1660.00	-0.936530	±NA	PASS
Band66	15MHz	QPSK	13259 7	75RB#0	NV	-10	-680.00	-0.383639	±NA	PASS
Band66	15MHz	QPSK	13259 7	75RB#0	NV	0	-190.00	-0.107193	±NA	PASS
Band66	15MHz	QPSK	13259 7	75RB#0	NV	10	130.00	0.073343	±NA	PASS
Band66	15MHz	QPSK	13259 7	75RB#0	NV	20	1910.00	1.077574	±NA	PASS
Band66	15MHz	QPSK	13259 7	75RB#0	NV	30	740.00	0.417489	±NA	PASS
Band66	15MHz	QPSK	13259 7	75RB#0	NV	40	-1930.00	-1.088858	±NA	PASS
Band66	15MHz	QPSK	13259 7	75RB#0	NV	50	1420.00	0.801128	±NA	PASS
Band66	20MHz	QPSK	13207 2	100RB#0	NV	-30	3050.00	1.773256	±NA	PASS
Band66	20MHz	QPSK	13207 2	100RB#0	NV	-20	-13380.00	-7.779070	±NA	PASS
Band66	20MHz	QPSK	13207 2	100RB#0	NV	-10	-3160.00	-1.837209	±NA	PASS
Band66	20MHz	QPSK	13207 2	100RB#0	NV	0	-6650.00	-3.866279	±NA	PASS
Band66	20MHz	QPSK	13207 2	100RB#0	NV	10	-8500.00	-4.941860	±NA	PASS
Band66	20MHz	QPSK	13207 2	100RB#0	NV	20	-8900.00	-5.174419	±NA	PASS
Band66	20MHz	QPSK	13207 2	100RB#0	NV	30	-2510.00	-1.459302	±NA	PASS
Band66	20MHz	QPSK	13207 2	100RB#0	NV	40	-7210.00	-4.191860	±NA	PASS
Band66	20MHz	QPSK	13207 2	100RB#0	NV	50	-11480.00	-6.674419	±NA	PASS
Band66	20MHz	QPSK	13232	100RB#0	NV	-30	-12630.00	-7.237822	±NA	PASS



Shenzhen GUOREN Certification Technology Service Co., Ltd.

101#, Building K & Building T, The Second Industrial Zone, Jiazitang
Community, Fenghuang Street, Guangming District, Shenzhen, China

No.:GRCTR260602018-07

			2							
Band66	20MHz	QPSK	13232 2	100RB#0	NV	-20	3390.00	1.942693	±NA	PASS
Band66	20MHz	QPSK	13232 2	100RB#0	NV	-10	-11150.00	-6.389685	±NA	PASS
Band66	20MHz	QPSK	13232 2	100RB#0	NV	0	11170.00	6.401146	±NA	PASS
Band66	20MHz	QPSK	13232 2	100RB#0	NV	10	-1640.00	-0.939828	±NA	PASS
Band66	20MHz	QPSK	13232 2	100RB#0	NV	20	-6940.00	-3.977077	±NA	PASS
Band66	20MHz	QPSK	13232 2	100RB#0	NV	30	-9620.00	-5.512894	±NA	PASS
Band66	20MHz	QPSK	13232 2	100RB#0	NV	40	-7230.00	-4.143266	±NA	PASS
Band66	20MHz	QPSK	13232 2	100RB#0	NV	50	7540.00	4.320917	±NA	PASS
Band66	20MHz	QPSK	13257 2	100RB#0	NV	-30	7530.00	4.254237	±NA	PASS
Band66	20MHz	QPSK	13257 2	100RB#0	NV	-20	1800.00	1.016949	±NA	PASS
Band66	20MHz	QPSK	13257 2	100RB#0	NV	-10	8280.00	4.677966	±NA	PASS
Band66	20MHz	QPSK	13257 2	100RB#0	NV	0	-190.00	-0.107345	±NA	PASS
Band66	20MHz	QPSK	13257 2	100RB#0	NV	10	-650.00	-0.367232	±NA	PASS
Band66	20MHz	QPSK	13257 2	100RB#0	NV	20	6750.00	3.813559	±NA	PASS
Band66	20MHz	QPSK	13257 2	100RB#0	NV	30	1680.00	0.949153	±NA	PASS
Band66	20MHz	QPSK	13257 2	100RB#0	NV	40	4460.00	2.519774	±NA	PASS
Band66	20MHz	QPSK	13257 2	100RB#0	NV	50	2530.00	1.429379	±NA	PASS