Appendix F: Frequency Stability

Test Result

LTE Band 2 part:

Reference Frequency: LTE Band 2 (10MHz) Middle channel=18900 Frequency=1880.0MHz					
Temperature					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.87	-30	5.41	0.002878	Within authorized band for Band 2	Pass
	-20	13.09	0.006963		
	-10	14.43	0.007676		
	0	16.99	0.009037		
	10	10.10	0.005372		
	20	18.37	0.009771		
	30	5.15	0.002739		
	40	5.08	0.002702		
	50	9.20	0.004894		
16QAM					
3.87	-30	14.62	0.007777	Within authorized band for Band 2	Pass
	-20	10.89	0.005793		
	-10	12.37	0.006580		
	0	10.21	0.005431		
	10	12.32	0.006553		
	20	15.84	0.008426		
	30	15.29	0.008133		
	40	13.07	0.006952		
	50	-5.72	-0.003043		
64QAM					
3.87	-30	3.69	0.001963	Within authorized band for Band 2	Pass
	-20	12.09	0.006431		
	-10	3.60	0.001915		
	0	11.17	0.005941		
	10	-7.47	-0.003973		
	20	4.36	0.002319		
	30	12.32	0.006553		
	40	8.35	0.004441		
	50	-10.87	-0.005782		
Voltage					
Temperature	Power supplied	Frequency error		Limit (ppm)	Result

(℃)	(Vdc)	Hz	ppm		
QPSK					
25	3.45	10.63	0.005654	Within authorized band for Band 2	Pass
	3.87	6.42	0.003415		
	4.45	7.24	0.003851		
16QAM					
25	3.45	14.73	0.007835	Within authorized band for Band 2	Pass
	3.87	11.37	0.006048		
	4.45	5.21	0.002771		
64QAM					
25	3.45	5.44	0.002894	Within authorized band for Band 2	Pass
	3.87	10.87	0.005782		
	4.45	2.02	0.001074		
Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.					

LTE Band 5 part:

Reference Frequency: LTE Band 5(10MHz) Middle channel=20525 Frequency=836.5MHz					
Temperature					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.87	-30	-6.15	-0.007352	±2.5	Pass
	-20	-3.88	-0.004638		
	-10	-2.39	-0.002857		
	0	-7.04	-0.008416		
	10	-4.35	-0.005200		
	20	-5.71	-0.006826		
	30	-8.25	-0.009863		
	40	-9.80	-0.011715		
	50	3.52	0.004208		
16QAM					
3.87	-30	4.55	0.005439	±2.5	Pass
	-20	2.46	0.002941		
	-10	-6.68	-0.007986		
	0	-6.05	-0.007233		
	10	-8.93	-0.010675		
	20	-5.28	-0.006312		
	30	-8.08	-0.009659		
	40	-5.94	-0.007101		
	50	-8.38	-0.010018		
64QAM					
3.87	-30	-7.37	-0.008811	±2.5	Pass
	-20	-8.81	-0.010532		
	-10	-1.80	-0.002152		
	0	-1.89	-0.002259		
	10	-4.81	-0.005750		
	20	7.25	0.008667		
	30	-6.51	-0.007782		
	40	-5.55	-0.006635		
	50	1.70	0.002032		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					

25	3.45	-4.69	-0.005607	±2.5	Pass
	3.87	-7.81	-0.009337		
	4.45	1.79	0.002140		
16QAM					
25	3.45	6.31	0.007543	±2.5	Pass
	3.87	-4.81	-0.005750		
	4.45	-7.35	-0.008787		
64QAM					
25	3.45	6.49	0.007759	±2.5	Pass
	3.87	3.69	0.004411		
	4.45	-5.39	-0.006444		
Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.					

LTE Band 7 part:

Reference Frequency: LTE Band 7(10MHz) Middle channel=21100 Frequency=2535.0MHz					
Temperature					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.87	-30	-19.44	-0.007669	Within authorized band for Band 7	Pass
	-20	8.44	0.003329		
	-10	-4.33	-0.001708		
	0	20.77	0.008193		
	10	-4.03	-0.001590		
	20	-18.11	-0.007144		
	30	3.88	0.001531		
	40	24.09	0.009503		
	50	-18.97	-0.007483		
16QAM					
3.87	-30	16.54	0.006525	Within authorized band for Band 7	Pass
	-20	-14.86	-0.005862		
	-10	-14.18	-0.005594		
	0	-15.25	-0.006016		
	10	11.86	0.004679		
	20	-13.23	-0.005219		
	30	7.30	0.002880		
	40	10.99	0.004335		
	50	18.61	0.007341		
64QAM					
3.87	-30	19.76	0.007795	Within authorized band for Band 7	Pass
	-20	-16.55	-0.006529		
	-10	-18.38	-0.007250		
	0	17.12	0.006753		
	10	-14.83	-0.005850		
	20	-13.95	-0.005503		
	30	-6.81	-0.002686		
	40	16.51	0.006513		
	50	15.18	0.005988		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					

25	3.45	-5.21	-0.002055	Within authorized band for Band 7	Pass
	3.87	-8.90	-0.003511		
	4.45	-17.67	-0.006970		
16QAM					
25	3.45	13.52	0.005333	Within authorized band for Band 7	Pass
	3.87	-18.28	-0.007211		
	4.45	-16.29	-0.006426		
64QAM					
25	3.45	16.16	0.006375	Within authorized band for Band 7	Pass
	3.87	20.18	0.007961		
	4.45	-6.48	-0.002556		
Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.					

LTE Band 12 part:

Reference Frequency: LTE Band 12(10MHz) Middle channel=23095 Frequency=707.5MHz					
Temperature					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.87	-30	-4.08	-0.005767	Within authorized band for Band 12	Pass
	-20	-3.62	-0.005117		
	-10	-6.78	-0.009583		
	0	-4.39	-0.006205		
	10	-3.96	-0.005597		
	20	-5.78	-0.008170		
	30	-4.12	-0.005823		
	40	-2.33	-0.003293		
	50	-2.10	-0.002968		
16QAM					
3.87	-30	-6.38	-0.009018	Within authorized band for Band 12	Pass
	-20	-5.28	-0.007463		
	-10	-4.49	-0.006346		
	0	-2.62	-0.003703		
	10	-3.93	-0.005555		
	20	0.93	0.001314		
	30	-4.01	-0.005668		
	40	-4.72	-0.006671		
	50	-3.18	-0.004495		
64QAM					
3.87	-30	4.53	0.006403	Within authorized band for Band 12	Pass
	-20	-4.76	-0.006728		
	-10	-2.92	-0.004127		
	0	-5.65	-0.007986		
	10	-2.88	-0.004071		
	20	-5.25	-0.007420		
	30	-4.79	-0.006770		
	40	-5.48	-0.007746		
	50	-4.48	-0.006332		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					

25	3.45	-3.91	-0.005527	Within authorized band for Band 12	Pass
	3.87	-1.37	-0.001936		
	4.45	-4.09	-0.005781		
16QAM					
25	3.45	-6.82	-0.009640	Within authorized band for Band 12	Pass
	3.87	4.66	0.006587		
	4.45	-5.72	-0.008085		
64QAM					
25	3.45	-4.25	-0.006007	Within authorized band for Band 12	Pass
	3.87	3.20	0.004523		
	4.45	3.66	0.005173		
Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.					

LTE Band 17 part:

Reference Frequency: LTE Band 17(10MHz) Middle channel=23790 Frequency=710.0MHz					
Temperature					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.87	-30	-6.97	-0.009817	Within authorized band for Band 17	Pass
	-20	-2.86	-0.004028		
	-10	-1.59	-0.002239		
	0	-3.81	-0.005366		
	10	-2.16	-0.003042		
	20	-6.97	-0.009817		
	30	-4.46	-0.006282		
	40	-4.43	-0.006239		
	50	-1.65	-0.002324		
16QAM					
3.87	-30	-5.26	-0.007408	Within authorized band for Band 17	Pass
	-20	-6.62	-0.009324		
	-10	-5.97	-0.008408		
	0	-2.63	-0.003704		
	10	-4.01	-0.005648		
	20	-2.36	-0.003324		
	30	-8.14	-0.011465		
	40	1.13	0.001592		
	50	-5.18	-0.007296		
64QAM					
3.87	-30	-4.23	-0.005958	Within authorized band for Band 17	Pass
	-20	-4.98	-0.007014		
	-10	5.24	0.007380		
	0	-5.11	-0.007197		
	10	1.59	0.002239		
	20	-6.08	-0.008563		
	30	-6.28	-0.008845		
	40	-4.96	-0.006986		
	50	2.16	0.003042		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					

25	3.45	-4.82	-0.006789	Within authorized band for Band 17	Pass
	3.87	-3.48	-0.004901		
	4.45	-2.95	-0.004155		
16QAM					
25	3.45	2.92	0.004113	Within authorized band for Band 17	Pass
	3.87	-5.39	-0.007592		
	4.45	-3.19	-0.004493		
64QAM					
25	3.45	-4.68	-0.006592	Within authorized band for Band 17	Pass
	3.87	-6.22	-0.008761		
	4.45	-7.68	-0.010817		
Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.					

LTE Band 41 part:

Reference Frequency: LTE Band 41 (10MHz) Middle channel=40620 Frequency=2593.0MHz					
Temperature					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.87	-30	-4.62	-0.001782	Within authorized band for Band 41	Pass
	-20	-5.11	-0.001971		
	-10	2.90	0.001118		
	0	-6.04	-0.002329		
	10	-4.12	-0.001589		
	20	1.85	0.000713		
	30	7.07	0.002727		
	40	4.79	0.001847		
	50	9.87	0.003806		
16QAM					
3.87	-30	8.28	0.003193	Within authorized band for Band 41	Pass
	-20	8.43	0.003251		
	-10	6.07	0.002341		
	0	-4.82	-0.001859		
	10	3.19	0.001230		
	20	-7.05	-0.002719		
	30	7.85	0.003027		
	40	10.57	0.004076		
	50	5.58	0.002152		
64QAM					
3.87	-30	1.43	0.000551	Within authorized band for Band 41	Pass
	-20	7.31	0.002819		
	-10	-9.26	-0.003571		
	0	7.32	0.002823		
	10	6.02	0.002322		
	20	7.38	0.002846		
	30	-2.60	-0.001003		
	40	4.21	0.001624		
	50	9.51	0.003668		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					

25	3.45	6.21	0.002395	Within authorized band for Band 41	Pass
	3.87	6.05	0.002333		
	4.45	5.22	0.002013		
16QAM					
25	3.45	8.55	0.003297	Within authorized band for Band41	Pass
	3.87	4.82	0.001859		
	4.45	-2.68	-0.001034		
64QAM					
25	3.45	4.03	0.001554	Within authorized band for Band 41	Pass
	3.87	7.21	0.002781		
	4.45	-5.66	-0.002183		
Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.					

LTE Band 66 part:

Reference Frequency: LTE Band 66 (10MHz) Middle channel=132322 Frequency=1745.0MHz					
Temperature					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.87	-30	8.55	0.004900	Within authorized band for Band 66	Pass
	-20	16.22	0.009295		
	-10	14.66	0.008401		
	0	-12.13	-0.006951		
	10	14.58	0.008355		
	20	7.78	0.004458		
	30	-15.08	-0.008642		
	40	-15.91	-0.009117		
	50	7.61	0.004361		
16QAM					
3.87	-30	-14.99	-0.008590	Within authorized band for Band 66	Pass
	-20	6.98	0.004000		
	-10	-14.26	-0.008172		
	0	9.56	0.005479		
	10	10.96	0.006281		
	20	8.53	0.004888		
	30	-6.18	-0.003542		
	40	10.86	0.006223		
	50	15.99	0.009163		
64QAM					
3.87	-30	8.96	0.005135	Within authorized band for Band 66	Pass
	-20	5.85	0.003352		
	-10	-8.94	-0.005123		
	0	9.73	0.005576		
	10	-6.58	-0.003771		
	20	13.95	0.007994		
	30	-5.98	-0.003427		
	40	11.13	0.006378		
	50	-14.28	-0.008183		
Voltage					
Temperature (℃)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					

25	3.45	-4.41	-0.002527	Within authorized band for Band 66	Pass
	3.87	8.63	0.004946		
	4.45	-5.55	-0.003181		
16QAM					
25	3.45	12.97	0.007433	Within authorized band for Band 66	Pass
	3.87	-17.54	-0.010052		
	4.45	6.42	0.003679		
64QAM					
25	3.45	17.77	0.010183	Within authorized band for Band 66	Pass
	3.87	2.79	0.001599		
	4.45	10.40	0.005960		
Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.					

Appendix G: Modulation Characteristics

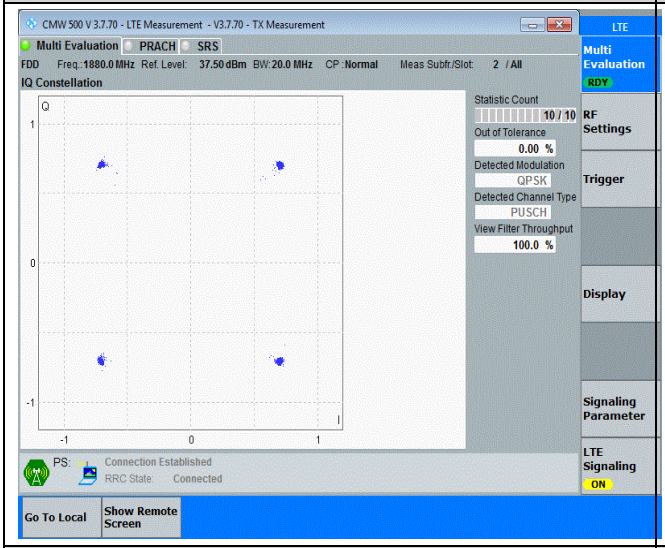
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band2	20MHz	QPSK	18900	100RB#0	PASS	PASS
Band2	20MHz	16QAM	18900	100RB#0	PASS	PASS
Band2	20MHz	64QAM	18900	100RB#0	PASS	PASS
Band5	10MHz	QPSK	20525	50RB#0	PASS	PASS
Band5	10MHz	16QAM	20525	50RB#0	PASS	PASS
Band5	10MHz	64QAM	20525	50RB#0	PASS	PASS
Band7	20MHz	QPSK	21100	100RB#0	PASS	PASS
Band7	20MHz	16QAM	21100	100RB#0	PASS	PASS
Band7	20MHz	64QAM	21100	100RB#0	PASS	PASS
Band12	10MHz	QPSK	23095	50RB#0	PASS	PASS
Band12	10MHz	16QAM	23095	50RB#0	PASS	PASS
Band12	10MHz	64QAM	23095	50RB#0	PASS	PASS
Band17	10MHz	QPSK	23790	50RB#0	PASS	PASS
Band17	10MHz	16QAM	23790	50RB#0	PASS	PASS
Band17	10MHz	64QAM	23790	50RB#0	PASS	PASS
Band41	20MHz	QPSK	40620	100RB#0	PASS	PASS
Band41	20MHz	16QAM	40620	100RB#0	PASS	PASS
Band41	20MHz	64QAM	40620	100RB#0	PASS	PASS
Band66	20MHz	QPSK	132322	100RB#0	PASS	PASS
Band66	20MHz	16QAM	132322	100RB#0	PASS	PASS
Band66	20MHz	64QAM	132322	100RB#0	PASS	PASS

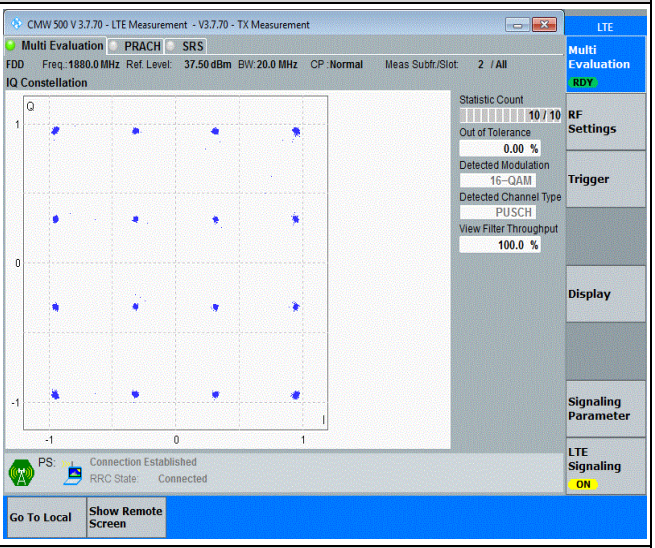
Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.

Test Graphs

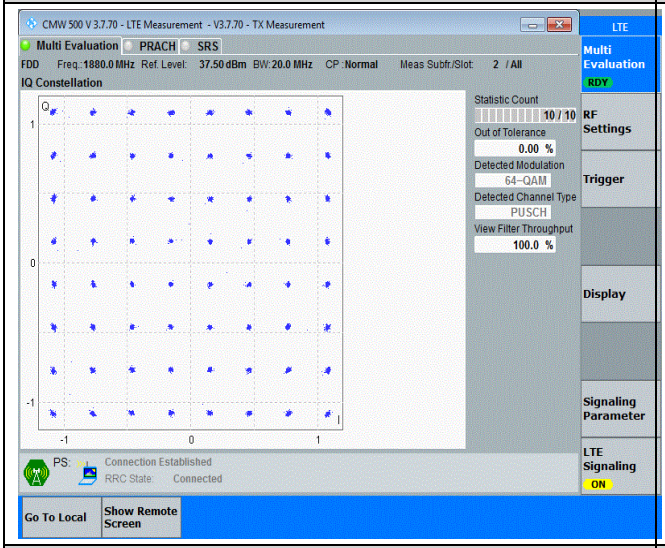
Band2-20MHz-QPSK-18900-100RB#0



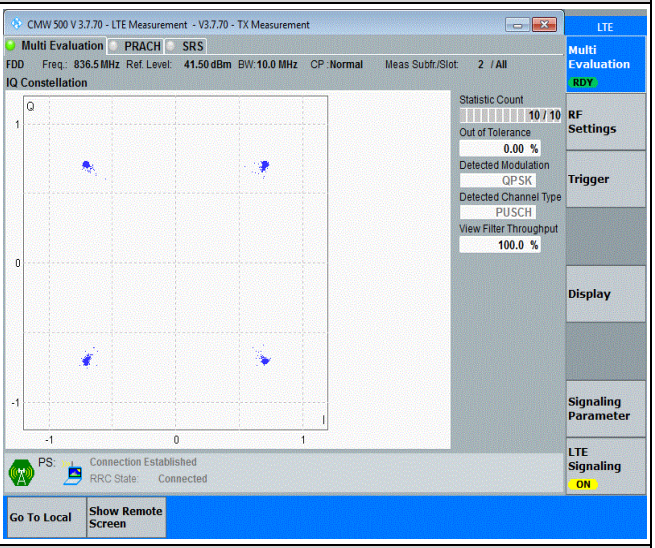
Band2-20MHz-16QAM-18900-100RB#0



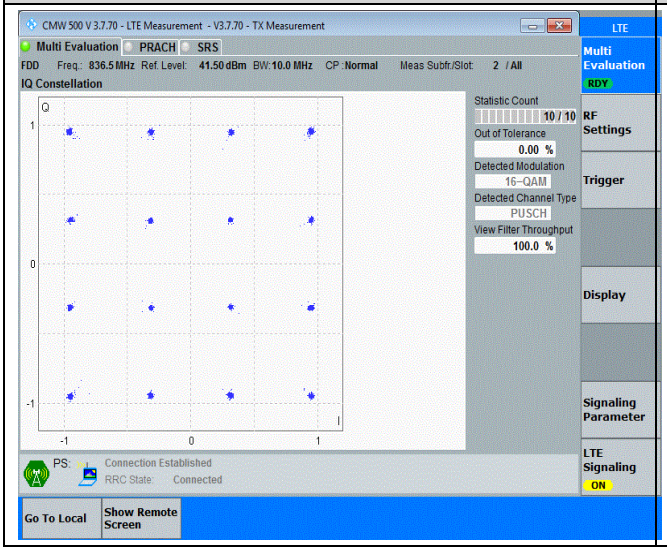
Band2-20MHz-64QAM-18900-100RB#0



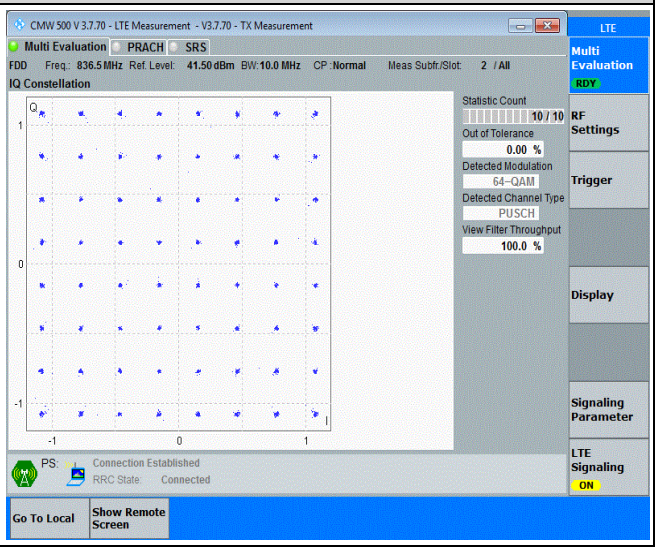
Band5-10MHz-QPSK-20525-50RB#0



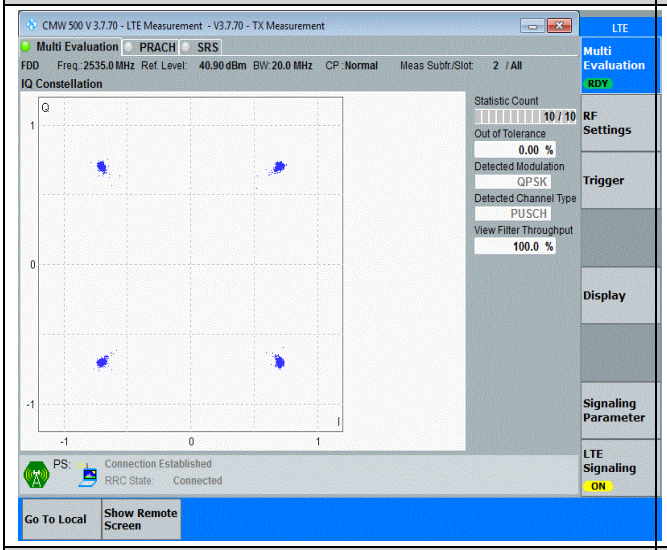
Band5-10MHz-16QAM-20525-50RB#0



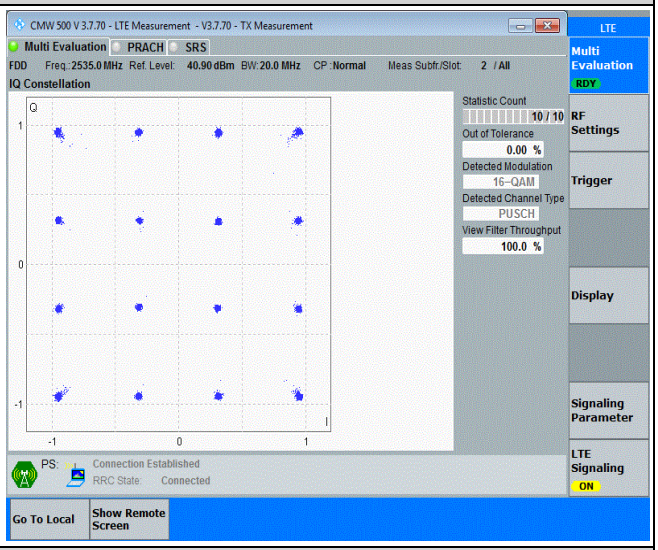
Band5-10MHz-64QAM-20525-50RB#0



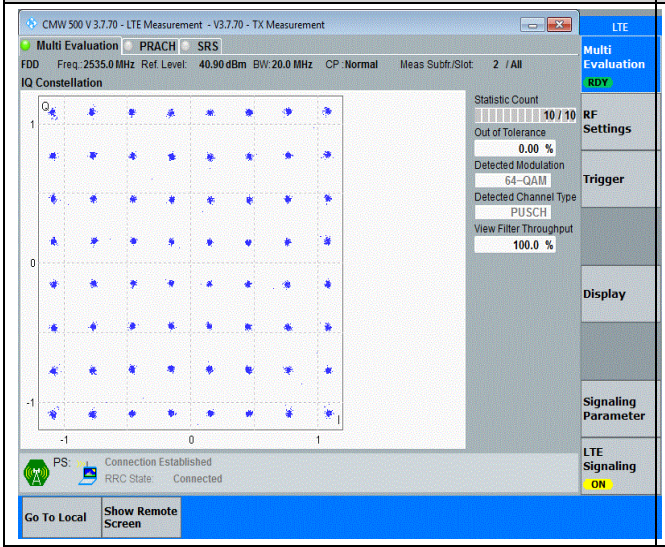
Band7-20MHz-QPSK-21100-100RB#0



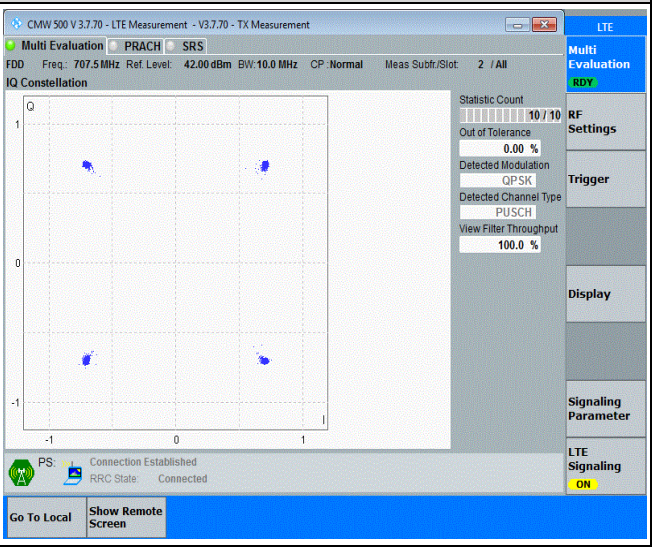
Band7-20MHz-16QAM-21100-100RB#0



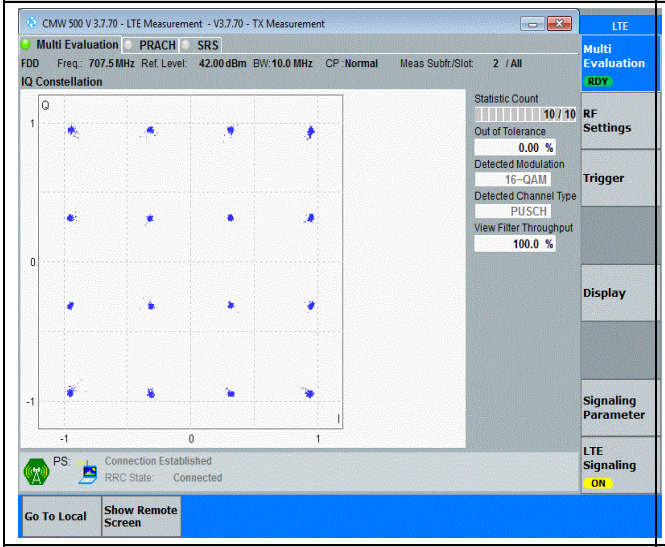
Band7-20MHz-64QAM-21100-100RB#0



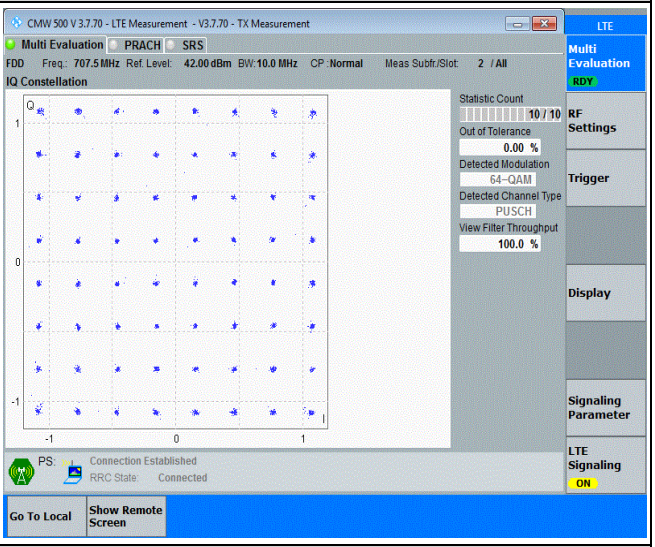
Band12-10MHz-QPSK-23095-50RB#0



Band12-10MHz-16QAM-23095-50RB#0

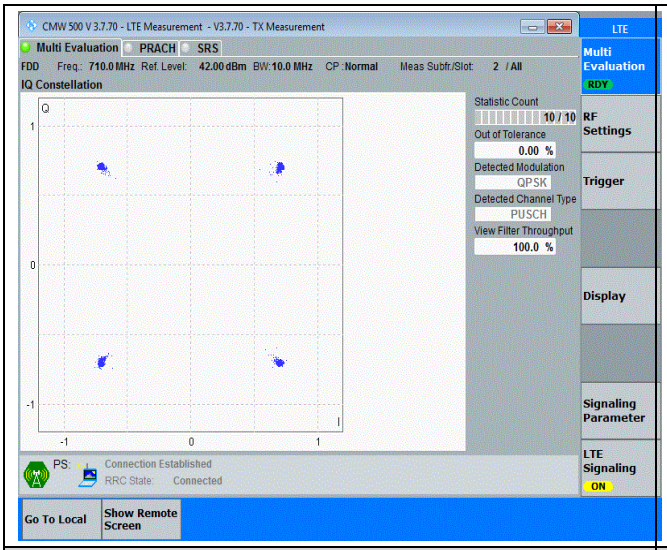


Band12-10MHz-64QAM-23095-50RB#0



Band17-10MHz-QPSK-23790-50RB#0

Band17-10MHz-16QAM-23790-50RB#0



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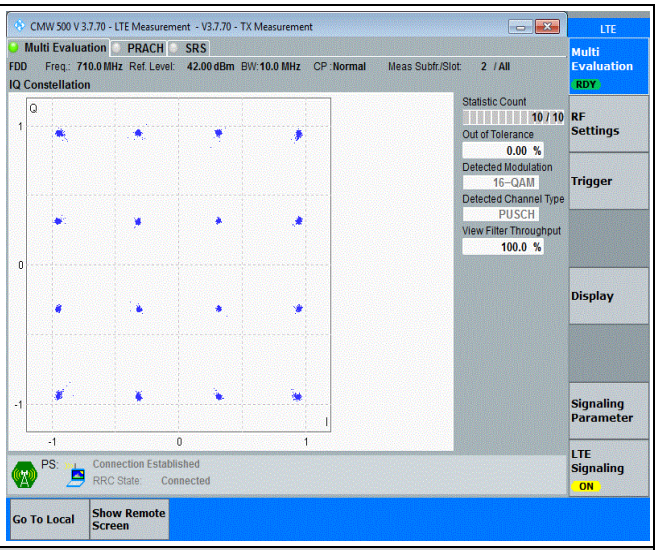

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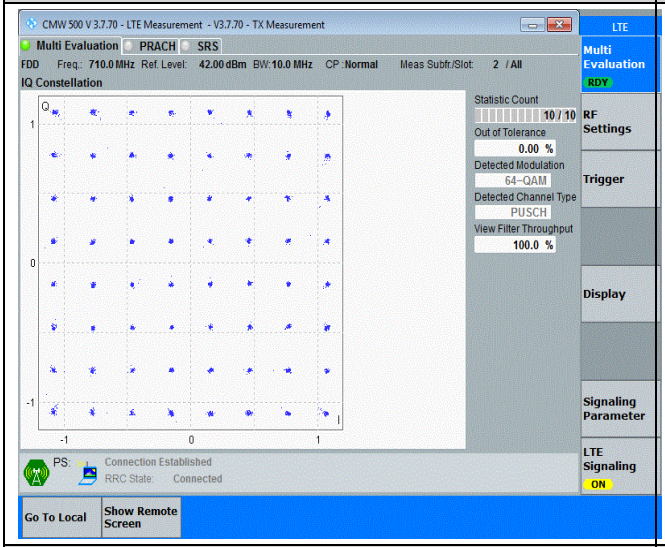

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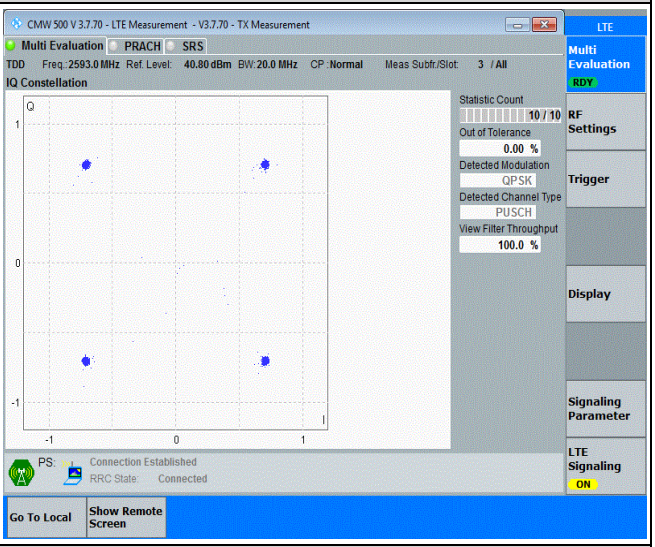

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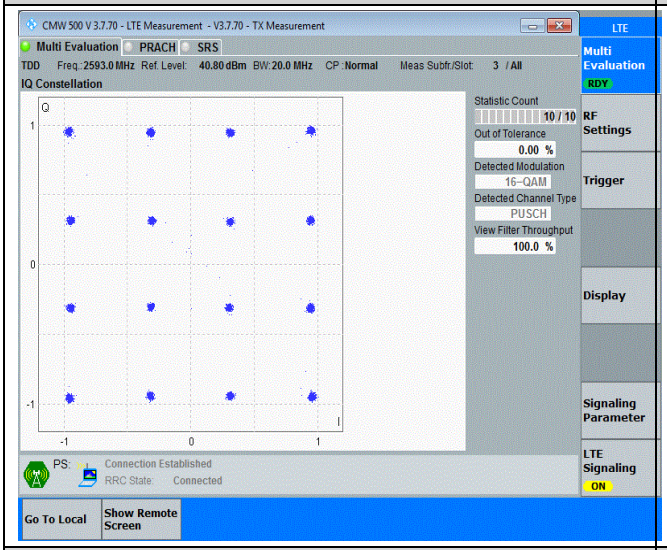

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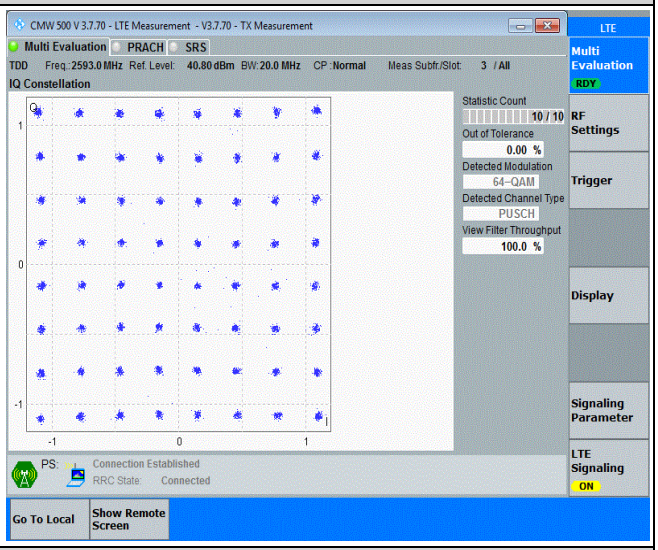

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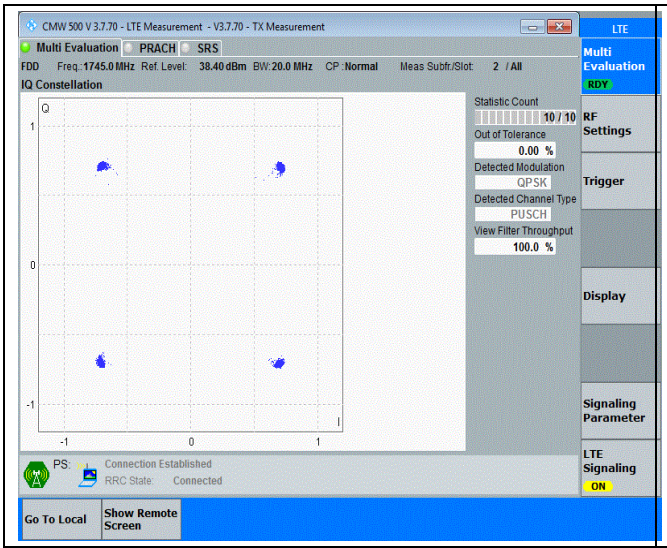

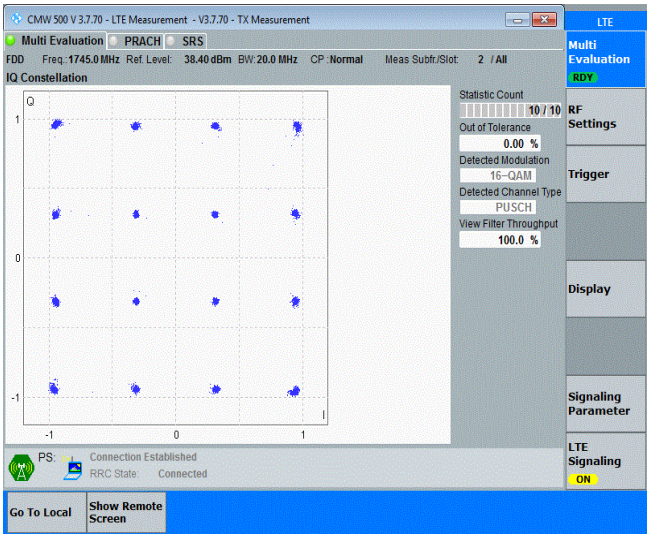

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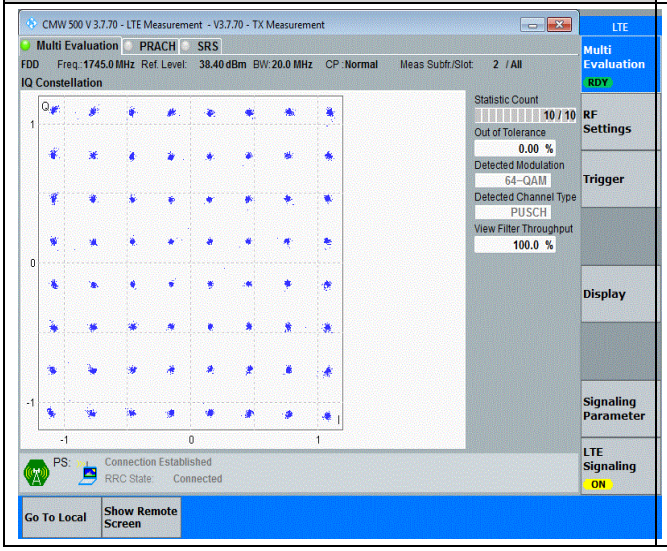


Antenna 5 (LTE Band 7 & Band 41 TX ANT in ENDC mode)

Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power (dBm)	ERP/EIRP (dBm)	ERP/EIRP Limit (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	22.31	17.61	33.01	PASS
Band7	5MHz	QPSK	20775	1RB#12	22.23	17.53	33.01	PASS
Band7	5MHz	QPSK	20775	1RB#24	22.60	17.9	33.01	PASS
Band7	5MHz	QPSK	20775	12RB#0	21.47	16.77	33.01	PASS
Band7	5MHz	QPSK	20775	12RB#6	21.41	16.71	33.01	PASS
Band7	5MHz	QPSK	20775	12RB#11	21.42	16.72	33.01	PASS
Band7	5MHz	QPSK	20775	25RB#0	21.42	16.72	33.01	PASS
Band7	5MHz	QPSK	21100	1RB#0	22.52	17.82	33.01	PASS
Band7	5MHz	QPSK	21100	1RB#12	22.50	17.8	33.01	PASS
Band7	5MHz	QPSK	21100	1RB#24	22.47	17.77	33.01	PASS
Band7	5MHz	QPSK	21100	12RB#0	21.42	16.72	33.01	PASS
Band7	5MHz	QPSK	21100	12RB#6	21.38	16.68	33.01	PASS
Band7	5MHz	QPSK	21100	12RB#11	21.32	16.62	33.01	PASS
Band7	5MHz	QPSK	21100	25RB#0	21.33	16.63	33.01	PASS
Band7	5MHz	QPSK	21425	1RB#0	22.52	17.82	33.01	PASS
Band7	5MHz	QPSK	21425	1RB#12	22.65	17.95	33.01	PASS
Band7	5MHz	QPSK	21425	1RB#24	22.72	18.02	33.01	PASS
Band7	5MHz	QPSK	21425	12RB#0	21.53	16.83	33.01	PASS
Band7	5MHz	QPSK	21425	12RB#6	21.52	16.82	33.01	PASS
Band7	5MHz	QPSK	21425	12RB#11	21.53	16.83	33.01	PASS
Band7	5MHz	QPSK	21425	25RB#0	21.51	16.81	33.01	PASS
Band7	5MHz	16QAM	20775	1RB#0	21.17	16.47	33.01	PASS
Band7	5MHz	16QAM	20775	1RB#12	21.06	16.36	33.01	PASS
Band7	5MHz	16QAM	20775	1RB#24	21.45	16.75	33.01	PASS
Band7	5MHz	16QAM	20775	12RB#0	20.47	15.77	33.01	PASS
Band7	5MHz	16QAM	20775	12RB#6	20.50	15.8	33.01	PASS
Band7	5MHz	16QAM	20775	12RB#11	20.50	15.8	33.01	PASS
Band7	5MHz	16QAM	20775	25RB#0	20.45	15.75	33.01	PASS
Band7	5MHz	16QAM	21100	1RB#0	21.63	16.93	33.01	PASS
Band7	5MHz	16QAM	21100	1RB#12	21.60	16.9	33.01	PASS
Band7	5MHz	16QAM	21100	1RB#24	21.61	16.91	33.01	PASS
Band7	5MHz	16QAM	21100	12RB#0	20.44	15.74	33.01	PASS
Band7	5MHz	16QAM	21100	12RB#6	20.44	15.74	33.01	PASS

Band7	5MHz	16QAM	21100	12RB#11	20.38	15.68	33.01	PASS
Band7	5MHz	16QAM	21100	25RB#0	20.33	15.63	33.01	PASS
Band7	5MHz	16QAM	21425	1RB#0	21.49	16.79	33.01	PASS
Band7	5MHz	16QAM	21425	1RB#12	21.53	16.83	33.01	PASS
Band7	5MHz	16QAM	21425	1RB#24	21.61	16.91	33.01	PASS
Band7	5MHz	16QAM	21425	12RB#0	20.54	15.84	33.01	PASS
Band7	5MHz	16QAM	21425	12RB#6	20.51	15.81	33.01	PASS
Band7	5MHz	16QAM	21425	12RB#11	20.54	15.84	33.01	PASS
Band7	5MHz	16QAM	21425	25RB#0	20.59	15.89	33.01	PASS
Band7	5MHz	64QAM	20775	1RB#0	20.20	15.5	33.01	PASS
Band7	5MHz	64QAM	20775	1RB#12	20.45	15.75	33.01	PASS
Band7	5MHz	64QAM	20775	1RB#24	20.49	15.79	33.01	PASS
Band7	5MHz	64QAM	20775	12RB#0	19.49	14.79	33.01	PASS
Band7	5MHz	64QAM	20775	12RB#6	19.46	14.76	33.01	PASS
Band7	5MHz	64QAM	20775	12RB#11	19.47	14.77	33.01	PASS
Band7	5MHz	64QAM	20775	25RB#0	19.43	14.73	33.01	PASS
Band7	5MHz	64QAM	21100	1RB#0	20.97	16.27	33.01	PASS
Band7	5MHz	64QAM	21100	1RB#12	20.91	16.21	33.01	PASS
Band7	5MHz	64QAM	21100	1RB#24	20.95	16.25	33.01	PASS
Band7	5MHz	64QAM	21100	12RB#0	19.43	14.73	33.01	PASS
Band7	5MHz	64QAM	21100	12RB#6	19.42	14.72	33.01	PASS
Band7	5MHz	64QAM	21100	12RB#11	19.36	14.66	33.01	PASS
Band7	5MHz	64QAM	21100	25RB#0	19.31	14.61	33.01	PASS
Band7	5MHz	64QAM	21425	1RB#0	20.76	16.06	33.01	PASS
Band7	5MHz	64QAM	21425	1RB#12	20.81	16.11	33.01	PASS
Band7	5MHz	64QAM	21425	1RB#24	20.87	16.17	33.01	PASS
Band7	5MHz	64QAM	21425	12RB#0	19.54	14.84	33.01	PASS
Band7	5MHz	64QAM	21425	12RB#6	19.55	14.85	33.01	PASS
Band7	5MHz	64QAM	21425	12RB#11	19.57	14.87	33.01	PASS
Band7	5MHz	64QAM	21425	25RB#0	19.52	14.82	33.01	PASS
Band7	10MHz	QPSK	20800	1RB#0	22.50	17.8	33.01	PASS
Band7	10MHz	QPSK	20800	1RB#24	22.52	17.82	33.01	PASS
Band7	10MHz	QPSK	20800	1RB#49	22.54	17.84	33.01	PASS
Band7	10MHz	QPSK	20800	25RB#0	21.48	16.78	33.01	PASS
Band7	10MHz	QPSK	20800	25RB#12	21.46	16.76	33.01	PASS
Band7	10MHz	QPSK	20800	25RB#24	21.42	16.72	33.01	PASS
Band7	10MHz	QPSK	20800	50RB#0	21.48	16.78	33.01	PASS
Band7	10MHz	QPSK	21100	1RB#0	22.35	17.65	33.01	PASS
Band7	10MHz	QPSK	21100	1RB#24	22.37	17.67	33.01	PASS
Band7	10MHz	QPSK	21100	1RB#49	22.31	17.61	33.01	PASS
Band7	10MHz	QPSK	21100	25RB#0	21.46	16.76	33.01	PASS
Band7	10MHz	QPSK	21100	25RB#12	21.46	16.76	33.01	PASS

Band7	10MHz	QPSK	21100	25RB#24	21.46	16.76	33.01	PASS
Band7	10MHz	QPSK	21100	50RB#0	21.44	16.74	33.01	PASS
Band7	10MHz	QPSK	21400	1RB#0	22.35	17.65	33.01	PASS
Band7	10MHz	QPSK	21400	1RB#24	22.40	17.7	33.01	PASS
Band7	10MHz	QPSK	21400	1RB#49	22.45	17.75	33.01	PASS
Band7	10MHz	QPSK	21400	25RB#0	21.54	16.84	33.01	PASS
Band7	10MHz	QPSK	21400	25RB#12	21.54	16.84	33.01	PASS
Band7	10MHz	QPSK	21400	25RB#24	21.53	16.83	33.01	PASS
Band7	10MHz	QPSK	21400	50RB#0	21.55	16.85	33.01	PASS
Band7	10MHz	16QAM	20800	1RB#0	21.67	16.97	33.01	PASS
Band7	10MHz	16QAM	20800	1RB#24	21.67	16.97	33.01	PASS
Band7	10MHz	16QAM	20800	1RB#49	21.71	17.01	33.01	PASS
Band7	10MHz	16QAM	20800	25RB#0	20.43	15.73	33.01	PASS
Band7	10MHz	16QAM	20800	25RB#12	20.44	15.74	33.01	PASS
Band7	10MHz	16QAM	20800	25RB#24	20.41	15.71	33.01	PASS
Band7	10MHz	16QAM	20800	50RB#0	20.46	15.76	33.01	PASS
Band7	10MHz	16QAM	21100	1RB#0	21.59	16.89	33.01	PASS
Band7	10MHz	16QAM	21100	1RB#24	21.58	16.88	33.01	PASS
Band7	10MHz	16QAM	21100	1RB#49	21.54	16.84	33.01	PASS
Band7	10MHz	16QAM	21100	25RB#0	20.45	15.75	33.01	PASS
Band7	10MHz	16QAM	21100	25RB#12	20.48	15.78	33.01	PASS
Band7	10MHz	16QAM	21100	25RB#24	20.49	15.79	33.01	PASS
Band7	10MHz	16QAM	21100	50RB#0	20.45	15.75	33.01	PASS
Band7	10MHz	16QAM	21400	1RB#0	21.31	16.61	33.01	PASS
Band7	10MHz	16QAM	21400	1RB#24	21.37	16.67	33.01	PASS
Band7	10MHz	16QAM	21400	1RB#49	21.46	16.76	33.01	PASS
Band7	10MHz	16QAM	21400	25RB#0	20.59	15.89	33.01	PASS
Band7	10MHz	16QAM	21400	25RB#12	20.59	15.89	33.01	PASS
Band7	10MHz	16QAM	21400	25RB#24	20.58	15.88	33.01	PASS
Band7	10MHz	16QAM	21400	50RB#0	20.57	15.87	33.01	PASS
Band7	10MHz	64QAM	20800	1RB#0	20.50	15.8	33.01	PASS
Band7	10MHz	64QAM	20800	1RB#24	20.50	15.8	33.01	PASS
Band7	10MHz	64QAM	20800	1RB#49	20.52	15.82	33.01	PASS
Band7	10MHz	64QAM	20800	25RB#0	19.38	14.68	33.01	PASS
Band7	10MHz	64QAM	20800	25RB#12	19.39	14.69	33.01	PASS
Band7	10MHz	64QAM	20800	25RB#24	19.42	14.72	33.01	PASS
Band7	10MHz	64QAM	20800	50RB#0	19.41	14.71	33.01	PASS
Band7	10MHz	64QAM	21100	1RB#0	20.44	15.74	33.01	PASS
Band7	10MHz	64QAM	21100	1RB#24	20.49	15.79	33.01	PASS
Band7	10MHz	64QAM	21100	1RB#49	20.41	15.71	33.01	PASS
Band7	10MHz	64QAM	21100	25RB#0	19.42	14.72	33.01	PASS
Band7	10MHz	64QAM	21100	25RB#12	19.44	14.74	33.01	PASS

Band7	10MHz	64QAM	21100	25RB#24	19.43	14.73	33.01	PASS
Band7	10MHz	64QAM	21100	50RB#0	19.45	14.75	33.01	PASS
Band7	10MHz	64QAM	21400	1RB#0	20.73	16.03	33.01	PASS
Band7	10MHz	64QAM	21400	1RB#24	20.86	16.16	33.01	PASS
Band7	10MHz	64QAM	21400	1RB#49	20.92	16.22	33.01	PASS
Band7	10MHz	64QAM	21400	25RB#0	19.50	14.8	33.01	PASS
Band7	10MHz	64QAM	21400	25RB#12	19.51	14.81	33.01	PASS
Band7	10MHz	64QAM	21400	25RB#24	19.49	14.79	33.01	PASS
Band7	10MHz	64QAM	21400	50RB#0	19.49	14.79	33.01	PASS
Band7	15MHz	QPSK	20825	1RB#0	22.42	17.72	33.01	PASS
Band7	15MHz	QPSK	20825	1RB#37	22.50	17.8	33.01	PASS
Band7	15MHz	QPSK	20825	1RB#74	22.34	17.64	33.01	PASS
Band7	15MHz	QPSK	20825	36RB#0	21.33	16.63	33.01	PASS
Band7	15MHz	QPSK	20825	36RB#16	21.39	16.69	33.01	PASS
Band7	15MHz	QPSK	20825	36RB#35	21.40	16.7	33.01	PASS
Band7	15MHz	QPSK	20825	75RB#0	21.37	16.67	33.01	PASS
Band7	15MHz	QPSK	21100	1RB#0	22.32	17.62	33.01	PASS
Band7	15MHz	QPSK	21100	1RB#37	22.35	17.65	33.01	PASS
Band7	15MHz	QPSK	21100	1RB#74	22.27	17.57	33.01	PASS
Band7	15MHz	QPSK	21100	36RB#0	21.35	16.65	33.01	PASS
Band7	15MHz	QPSK	21100	36RB#16	21.35	16.65	33.01	PASS
Band7	15MHz	QPSK	21100	36RB#35	21.39	16.69	33.01	PASS
Band7	15MHz	QPSK	21100	75RB#0	21.38	16.68	33.01	PASS
Band7	15MHz	QPSK	21375	1RB#0	22.28	17.58	33.01	PASS
Band7	15MHz	QPSK	21375	1RB#37	22.38	17.68	33.01	PASS
Band7	15MHz	QPSK	21375	1RB#74	22.40	17.7	33.01	PASS
Band7	15MHz	QPSK	21375	36RB#0	21.43	16.73	33.01	PASS
Band7	15MHz	QPSK	21375	36RB#16	21.44	16.74	33.01	PASS
Band7	15MHz	QPSK	21375	36RB#35	21.44	16.74	33.01	PASS
Band7	15MHz	QPSK	21375	75RB#0	21.47	16.77	33.01	PASS
Band7	15MHz	16QAM	20825	1RB#0	21.57	16.87	33.01	PASS
Band7	15MHz	16QAM	20825	1RB#37	21.70	17	33.01	PASS
Band7	15MHz	16QAM	20825	1RB#74	21.56	16.86	33.01	PASS
Band7	15MHz	16QAM	20825	36RB#0	20.37	15.67	33.01	PASS
Band7	15MHz	16QAM	20825	36RB#16	20.37	15.67	33.01	PASS
Band7	15MHz	16QAM	20825	36RB#35	20.34	15.64	33.01	PASS
Band7	15MHz	16QAM	20825	75RB#0	20.38	15.68	33.01	PASS
Band7	15MHz	16QAM	21100	1RB#0	21.63	16.93	33.01	PASS
Band7	15MHz	16QAM	21100	1RB#37	21.69	16.99	33.01	PASS
Band7	15MHz	16QAM	21100	1RB#74	21.60	16.9	33.01	PASS
Band7	15MHz	16QAM	21100	36RB#0	20.50	15.8	33.01	PASS
Band7	15MHz	16QAM	21100	36RB#16	20.45	15.75	33.01	PASS

Band7	15MHz	16QAM	21100	36RB#35	20.45	15.75	33.01	PASS
Band7	15MHz	16QAM	21100	75RB#0	20.40	15.7	33.01	PASS
Band7	15MHz	16QAM	21375	1RB#0	21.28	16.58	33.01	PASS
Band7	15MHz	16QAM	21375	1RB#37	21.39	16.69	33.01	PASS
Band7	15MHz	16QAM	21375	1RB#74	21.44	16.74	33.01	PASS
Band7	15MHz	16QAM	21375	36RB#0	20.43	15.73	33.01	PASS
Band7	15MHz	16QAM	21375	36RB#16	20.44	15.74	33.01	PASS
Band7	15MHz	16QAM	21375	36RB#35	20.41	15.71	33.01	PASS
Band7	15MHz	16QAM	21375	75RB#0	20.48	15.78	33.01	PASS
Band7	15MHz	64QAM	20825	1RB#0	20.45	15.75	33.01	PASS
Band7	15MHz	64QAM	20825	1RB#37	20.51	15.81	33.01	PASS
Band7	15MHz	64QAM	20825	1RB#74	20.31	15.61	33.01	PASS
Band7	15MHz	64QAM	20825	36RB#0	19.41	14.71	33.01	PASS
Band7	15MHz	64QAM	20825	36RB#16	19.36	14.66	33.01	PASS
Band7	15MHz	64QAM	20825	36RB#35	19.39	14.69	33.01	PASS
Band7	15MHz	64QAM	20825	75RB#0	19.39	14.69	33.01	PASS
Band7	15MHz	64QAM	21100	1RB#0	20.54	15.84	33.01	PASS
Band7	15MHz	64QAM	21100	1RB#37	20.60	15.9	33.01	PASS
Band7	15MHz	64QAM	21100	1RB#74	20.53	15.83	33.01	PASS
Band7	15MHz	64QAM	21100	36RB#0	19.42	14.72	33.01	PASS
Band7	15MHz	64QAM	21100	36RB#16	19.41	14.71	33.01	PASS
Band7	15MHz	64QAM	21100	36RB#35	19.41	14.71	33.01	PASS
Band7	15MHz	64QAM	21100	75RB#0	19.44	14.74	33.01	PASS
Band7	15MHz	64QAM	21375	1RB#0	20.71	16.01	33.01	PASS
Band7	15MHz	64QAM	21375	1RB#37	20.85	16.15	33.01	PASS
Band7	15MHz	64QAM	21375	1RB#74	20.87	16.17	33.01	PASS
Band7	15MHz	64QAM	21375	36RB#0	19.38	14.68	33.01	PASS
Band7	15MHz	64QAM	21375	36RB#16	19.42	14.72	33.01	PASS
Band7	15MHz	64QAM	21375	36RB#35	19.42	14.72	33.01	PASS
Band7	15MHz	64QAM	21375	75RB#0	19.44	14.74	33.01	PASS
Band7	20MHz	QPSK	20850	1RB#0	22.46	17.76	33.01	PASS
Band7	20MHz	QPSK	20850	1RB#49	22.55	17.85	33.01	PASS
Band7	20MHz	QPSK	20850	1RB#99	22.47	17.77	33.01	PASS
Band7	20MHz	QPSK	20850	50RB#0	21.34	16.64	33.01	PASS
Band7	20MHz	QPSK	20850	50RB#24	21.40	16.7	33.01	PASS
Band7	20MHz	QPSK	20850	50RB#49	21.39	16.69	33.01	PASS
Band7	20MHz	QPSK	20850	100RB#0	21.39	16.69	33.01	PASS
Band7	20MHz	QPSK	21100	1RB#0	22.24	17.54	33.01	PASS
Band7	20MHz	QPSK	21100	1RB#49	22.37	17.67	33.01	PASS
Band7	20MHz	QPSK	21100	1RB#99	22.31	17.61	33.01	PASS
Band7	20MHz	QPSK	21100	50RB#0	21.37	16.67	33.01	PASS
Band7	20MHz	QPSK	21100	50RB#24	21.34	16.64	33.01	PASS

Band7	20MHz	QPSK	21100	50RB#49	21.38	16.68	33.01	PASS
Band7	20MHz	QPSK	21100	100RB#0	21.38	16.68	33.01	PASS
Band7	20MHz	QPSK	21350	1RB#0	22.11	17.41	33.01	PASS
Band7	20MHz	QPSK	21350	1RB#49	22.31	17.61	33.01	PASS
Band7	20MHz	QPSK	21350	1RB#99	22.32	17.62	33.01	PASS
Band7	20MHz	QPSK	21350	50RB#0	21.46	16.76	33.01	PASS
Band7	20MHz	QPSK	21350	50RB#24	21.42	16.72	33.01	PASS
Band7	20MHz	QPSK	21350	50RB#49	21.45	16.75	33.01	PASS
Band7	20MHz	QPSK	21350	100RB#0	21.40	16.7	33.01	PASS
Band7	20MHz	16QAM	20850	1RB#0	21.39	16.69	33.01	PASS
Band7	20MHz	16QAM	20850	1RB#49	21.49	16.79	33.01	PASS
Band7	20MHz	16QAM	20850	1RB#99	21.42	16.72	33.01	PASS
Band7	20MHz	16QAM	20850	50RB#0	20.37	15.67	33.01	PASS
Band7	20MHz	16QAM	20850	50RB#24	20.36	15.66	33.01	PASS
Band7	20MHz	16QAM	20850	50RB#49	20.34	15.64	33.01	PASS
Band7	20MHz	16QAM	20850	100RB#0	20.38	15.68	33.01	PASS
Band7	20MHz	16QAM	21100	1RB#0	21.50	16.8	33.01	PASS
Band7	20MHz	16QAM	21100	1RB#49	21.69	16.99	33.01	PASS
Band7	20MHz	16QAM	21100	1RB#99	21.64	16.94	33.01	PASS
Band7	20MHz	16QAM	21100	50RB#0	20.37	15.67	33.01	PASS
Band7	20MHz	16QAM	21100	50RB#24	20.33	15.63	33.01	PASS
Band7	20MHz	16QAM	21100	50RB#49	20.37	15.67	33.01	PASS
Band7	20MHz	16QAM	21100	100RB#0	20.35	15.65	33.01	PASS
Band7	20MHz	16QAM	21350	1RB#0	21.26	16.56	33.01	PASS
Band7	20MHz	16QAM	21350	1RB#49	21.50	16.8	33.01	PASS
Band7	20MHz	16QAM	21350	1RB#99	21.55	16.85	33.01	PASS
Band7	20MHz	16QAM	21350	50RB#0	20.48	15.78	33.01	PASS
Band7	20MHz	16QAM	21350	50RB#24	20.46	15.76	33.01	PASS
Band7	20MHz	16QAM	21350	50RB#49	20.47	15.77	33.01	PASS
Band7	20MHz	16QAM	21350	100RB#0	20.41	15.71	33.01	PASS
Band7	20MHz	64QAM	20850	1RB#0	20.67	15.97	33.01	PASS
Band7	20MHz	64QAM	20850	1RB#49	20.76	16.06	33.01	PASS
Band7	20MHz	64QAM	20850	1RB#99	20.68	15.98	33.01	PASS
Band7	20MHz	64QAM	20850	50RB#0	19.35	14.65	33.01	PASS
Band7	20MHz	64QAM	20850	50RB#24	19.34	14.64	33.01	PASS
Band7	20MHz	64QAM	20850	50RB#49	19.31	14.61	33.01	PASS
Band7	20MHz	64QAM	20850	100RB#0	19.33	14.63	33.01	PASS
Band7	20MHz	64QAM	21100	1RB#0	20.52	15.82	33.01	PASS
Band7	20MHz	64QAM	21100	1RB#49	20.67	15.97	33.01	PASS
Band7	20MHz	64QAM	21100	1RB#99	20.62	15.92	33.01	PASS
Band7	20MHz	64QAM	21100	50RB#0	19.38	14.68	33.01	PASS
Band7	20MHz	64QAM	21100	50RB#24	19.38	14.68	33.01	PASS

Band7	20MHz	64QAM	21100	50RB#49	19.38	14.68	33.01	PASS
Band7	20MHz	64QAM	21100	100RB#0	19.40	14.7	33.01	PASS
Band7	20MHz	64QAM	21350	1RB#0	20.18	15.48	33.01	PASS
Band7	20MHz	64QAM	21350	1RB#49	20.37	15.67	33.01	PASS
Band7	20MHz	64QAM	21350	1RB#99	20.44	15.74	33.01	PASS
Band7	20MHz	64QAM	21350	50RB#0	19.43	14.73	33.01	PASS
Band7	20MHz	64QAM	21350	50RB#24	19.44	14.74	33.01	PASS
Band7	20MHz	64QAM	21350	50RB#49	19.44	14.74	33.01	PASS
Band7	20MHz	64QAM	21350	100RB#0	19.39	14.69	33.01	PASS
Band41	5MHz	QPSK	39675	1RB#0	22.24	17.54	33.01	PASS
Band41	5MHz	QPSK	39675	1RB#12	22.23	17.53	33.01	PASS
Band41	5MHz	QPSK	39675	1RB#24	22.21	17.51	33.01	PASS
Band41	5MHz	QPSK	39675	12RB#0	21.24	16.54	33.01	PASS
Band41	5MHz	QPSK	39675	12RB#6	21.26	16.56	33.01	PASS
Band41	5MHz	QPSK	39675	12RB#11	21.23	16.53	33.01	PASS
Band41	5MHz	QPSK	39675	25RB#0	21.28	16.58	33.01	PASS
Band41	5MHz	QPSK	40620	1RB#0	22.56	17.86	33.01	PASS
Band41	5MHz	QPSK	40620	1RB#12	22.50	17.8	33.01	PASS
Band41	5MHz	QPSK	40620	1RB#24	22.55	17.85	33.01	PASS
Band41	5MHz	QPSK	40620	12RB#0	21.34	16.64	33.01	PASS
Band41	5MHz	QPSK	40620	12RB#6	21.35	16.65	33.01	PASS
Band41	5MHz	QPSK	40620	12RB#11	21.35	16.65	33.01	PASS
Band41	5MHz	QPSK	40620	25RB#0	21.38	16.68	33.01	PASS
Band41	5MHz	QPSK	41565	1RB#0	22.32	17.62	33.01	PASS
Band41	5MHz	QPSK	41565	1RB#12	22.24	17.54	33.01	PASS
Band41	5MHz	QPSK	41565	1RB#24	22.26	17.56	33.01	PASS
Band41	5MHz	QPSK	41565	12RB#0	21.31	16.61	33.01	PASS
Band41	5MHz	QPSK	41565	12RB#6	21.33	16.63	33.01	PASS
Band41	5MHz	QPSK	41565	12RB#11	21.33	16.63	33.01	PASS
Band41	5MHz	QPSK	41565	25RB#0	21.34	16.64	33.01	PASS
Band41	5MHz	16QAM	39675	1RB#0	21.53	16.83	33.01	PASS
Band41	5MHz	16QAM	39675	1RB#12	21.54	16.84	33.01	PASS
Band41	5MHz	16QAM	39675	1RB#24	21.56	16.86	33.01	PASS
Band41	5MHz	16QAM	39675	12RB#0	20.30	15.6	33.01	PASS
Band41	5MHz	16QAM	39675	12RB#6	20.30	15.6	33.01	PASS
Band41	5MHz	16QAM	39675	12RB#11	20.29	15.59	33.01	PASS
Band41	5MHz	16QAM	39675	25RB#0	20.30	15.6	33.01	PASS
Band41	5MHz	16QAM	40620	1RB#0	21.75	17.05	33.01	PASS
Band41	5MHz	16QAM	40620	1RB#12	21.70	17	33.01	PASS
Band41	5MHz	16QAM	40620	1RB#24	21.72	17.02	33.01	PASS
Band41	5MHz	16QAM	40620	12RB#0	20.35	15.65	33.01	PASS
Band41	5MHz	16QAM	40620	12RB#6	20.33	15.63	33.01	PASS

Band41	5MHz	16QAM	40620	12RB#11	20.34	15.64	33.01	PASS
Band41	5MHz	16QAM	40620	25RB#0	20.35	15.65	33.01	PASS
Band41	5MHz	16QAM	41565	1RB#0	21.61	16.91	33.01	PASS
Band41	5MHz	16QAM	41565	1RB#12	21.57	16.87	33.01	PASS
Band41	5MHz	16QAM	41565	1RB#24	21.55	16.85	33.01	PASS
Band41	5MHz	16QAM	41565	12RB#0	20.35	15.65	33.01	PASS
Band41	5MHz	16QAM	41565	12RB#6	20.35	15.65	33.01	PASS
Band41	5MHz	16QAM	41565	12RB#11	20.36	15.66	33.01	PASS
Band41	5MHz	16QAM	41565	25RB#0	20.34	15.64	33.01	PASS
Band41	5MHz	64QAM	39675	1RB#0	20.82	16.12	33.01	PASS
Band41	5MHz	64QAM	39675	1RB#12	20.84	16.14	33.01	PASS
Band41	5MHz	64QAM	39675	1RB#24	20.85	16.15	33.01	PASS
Band41	5MHz	64QAM	39675	12RB#0	19.26	14.56	33.01	PASS
Band41	5MHz	64QAM	39675	12RB#6	19.32	14.62	33.01	PASS
Band41	5MHz	64QAM	39675	12RB#11	19.29	14.59	33.01	PASS
Band41	5MHz	64QAM	39675	25RB#0	19.19	14.49	33.01	PASS
Band41	5MHz	64QAM	40620	1RB#0	20.76	16.06	33.01	PASS
Band41	5MHz	64QAM	40620	1RB#12	20.78	16.08	33.01	PASS
Band41	5MHz	64QAM	40620	1RB#24	20.79	16.09	33.01	PASS
Band41	5MHz	64QAM	40620	12RB#0	19.33	14.63	33.01	PASS
Band41	5MHz	64QAM	40620	12RB#6	19.32	14.62	33.01	PASS
Band41	5MHz	64QAM	40620	12RB#11	19.32	14.62	33.01	PASS
Band41	5MHz	64QAM	40620	25RB#0	19.35	14.65	33.01	PASS
Band41	5MHz	64QAM	41565	1RB#0	20.87	16.17	33.01	PASS
Band41	5MHz	64QAM	41565	1RB#12	20.84	16.14	33.01	PASS
Band41	5MHz	64QAM	41565	1RB#24	20.84	16.14	33.01	PASS
Band41	5MHz	64QAM	41565	12RB#0	19.38	14.68	33.01	PASS
Band41	5MHz	64QAM	41565	12RB#6	19.39	14.69	33.01	PASS
Band41	5MHz	64QAM	41565	12RB#11	19.40	14.7	33.01	PASS
Band41	5MHz	64QAM	41565	25RB#0	19.26	14.56	33.01	PASS
Band41	10MHz	QPSK	39700	1RB#0	22.58	17.88	33.01	PASS
Band41	10MHz	QPSK	39700	1RB#24	22.67	17.97	33.01	PASS
Band41	10MHz	QPSK	39700	1RB#49	22.58	17.88	33.01	PASS
Band41	10MHz	QPSK	39700	25RB#0	21.61	16.91	33.01	PASS
Band41	10MHz	QPSK	39700	25RB#12	21.62	16.92	33.01	PASS
Band41	10MHz	QPSK	39700	25RB#24	21.62	16.92	33.01	PASS
Band41	10MHz	QPSK	39700	50RB#0	21.63	16.93	33.01	PASS
Band41	10MHz	QPSK	40620	1RB#0	22.58	17.88	33.01	PASS
Band41	10MHz	QPSK	40620	1RB#24	22.70	18	33.01	PASS
Band41	10MHz	QPSK	40620	1RB#49	22.60	17.9	33.01	PASS
Band41	10MHz	QPSK	40620	25RB#0	21.60	16.9	33.01	PASS
Band41	10MHz	QPSK	40620	25RB#12	21.60	16.9	33.01	PASS

Band41	10MHz	QPSK	40620	25RB#24	21.62	16.92	33.01	PASS
Band41	10MHz	QPSK	40620	50RB#0	21.64	16.94	33.01	PASS
Band41	10MHz	QPSK	41540	1RB#0	22.56	17.86	33.01	PASS
Band41	10MHz	QPSK	41540	1RB#24	22.56	17.86	33.01	PASS
Band41	10MHz	QPSK	41540	1RB#49	22.50	17.8	33.01	PASS
Band41	10MHz	QPSK	41540	25RB#0	21.53	16.83	33.01	PASS
Band41	10MHz	QPSK	41540	25RB#12	21.53	16.83	33.01	PASS
Band41	10MHz	QPSK	41540	25RB#24	21.54	16.84	33.01	PASS
Band41	10MHz	QPSK	41540	50RB#0	21.60	16.9	33.01	PASS
Band41	10MHz	16QAM	39700	1RB#0	21.95	17.25	33.01	PASS
Band41	10MHz	16QAM	39700	1RB#24	22.00	17.3	33.01	PASS
Band41	10MHz	16QAM	39700	1RB#49	21.96	17.26	33.01	PASS
Band41	10MHz	16QAM	39700	25RB#0	20.68	15.98	33.01	PASS
Band41	10MHz	16QAM	39700	25RB#12	20.68	15.98	33.01	PASS
Band41	10MHz	16QAM	39700	25RB#24	20.63	15.93	33.01	PASS
Band41	10MHz	16QAM	39700	50RB#0	20.59	15.89	33.01	PASS
Band41	10MHz	16QAM	40620	1RB#0	21.97	17.27	33.01	PASS
Band41	10MHz	16QAM	40620	1RB#24	22.04	17.34	33.01	PASS
Band41	10MHz	16QAM	40620	1RB#49	21.95	17.25	33.01	PASS
Band41	10MHz	16QAM	40620	25RB#0	20.68	15.98	33.01	PASS
Band41	10MHz	16QAM	40620	25RB#12	20.65	15.95	33.01	PASS
Band41	10MHz	16QAM	40620	25RB#24	20.65	15.95	33.01	PASS
Band41	10MHz	16QAM	40620	50RB#0	20.57	15.87	33.01	PASS
Band41	10MHz	16QAM	41540	1RB#0	21.48	16.78	33.01	PASS
Band41	10MHz	16QAM	41540	1RB#24	21.51	16.81	33.01	PASS
Band41	10MHz	16QAM	41540	1RB#49	21.45	16.75	33.01	PASS
Band41	10MHz	16QAM	41540	25RB#0	20.53	15.83	33.01	PASS
Band41	10MHz	16QAM	41540	25RB#12	20.54	15.84	33.01	PASS
Band41	10MHz	16QAM	41540	25RB#24	20.55	15.85	33.01	PASS
Band41	10MHz	16QAM	41540	50RB#0	20.56	15.86	33.01	PASS
Band41	10MHz	64QAM	39700	1RB#0	20.99	16.29	33.01	PASS
Band41	10MHz	64QAM	39700	1RB#24	21.05	16.35	33.01	PASS
Band41	10MHz	64QAM	39700	1RB#49	20.95	16.25	33.01	PASS
Band41	10MHz	64QAM	39700	25RB#0	19.54	14.84	33.01	PASS
Band41	10MHz	64QAM	39700	25RB#12	19.56	14.86	33.01	PASS
Band41	10MHz	64QAM	39700	25RB#24	19.55	14.85	33.01	PASS
Band41	10MHz	64QAM	39700	50RB#0	19.60	14.9	33.01	PASS
Band41	10MHz	64QAM	40620	1RB#0	20.96	16.26	33.01	PASS
Band41	10MHz	64QAM	40620	1RB#24	21.09	16.39	33.01	PASS
Band41	10MHz	64QAM	40620	1RB#49	20.97	16.27	33.01	PASS
Band41	10MHz	64QAM	40620	25RB#0	19.57	14.87	33.01	PASS
Band41	10MHz	64QAM	40620	25RB#12	19.56	14.86	33.01	PASS

Band41	10MHz	64QAM	40620	25RB#24	19.56	14.86	33.01	PASS
Band41	10MHz	64QAM	40620	50RB#0	19.62	14.92	33.01	PASS
Band41	10MHz	64QAM	41540	1RB#0	20.51	15.81	33.01	PASS
Band41	10MHz	64QAM	41540	1RB#24	20.57	15.87	33.01	PASS
Band41	10MHz	64QAM	41540	1RB#49	20.49	15.79	33.01	PASS
Band41	10MHz	64QAM	41540	25RB#0	19.42	14.72	33.01	PASS
Band41	10MHz	64QAM	41540	25RB#12	19.39	14.69	33.01	PASS
Band41	10MHz	64QAM	41540	25RB#24	19.40	14.7	33.01	PASS
Band41	10MHz	64QAM	41540	50RB#0	19.51	14.81	33.01	PASS
Band41	15MHz	QPSK	39725	1RB#0	22.46	17.76	33.01	PASS
Band41	15MHz	QPSK	39725	1RB#37	22.52	17.82	33.01	PASS
Band41	15MHz	QPSK	39725	1RB#74	22.45	17.75	33.01	PASS
Band41	15MHz	QPSK	39725	36RB#0	21.48	16.78	33.01	PASS
Band41	15MHz	QPSK	39725	36RB#16	21.49	16.79	33.01	PASS
Band41	15MHz	QPSK	39725	36RB#35	21.45	16.75	33.01	PASS
Band41	15MHz	QPSK	39725	75RB#0	21.49	16.79	33.01	PASS
Band41	15MHz	QPSK	40620	1RB#0	22.50	17.8	33.01	PASS
Band41	15MHz	QPSK	40620	1RB#37	22.59	17.89	33.01	PASS
Band41	15MHz	QPSK	40620	1RB#74	22.49	17.79	33.01	PASS
Band41	15MHz	QPSK	40620	36RB#0	21.54	16.84	33.01	PASS
Band41	15MHz	QPSK	40620	36RB#16	21.53	16.83	33.01	PASS
Band41	15MHz	QPSK	40620	36RB#35	21.52	16.82	33.01	PASS
Band41	15MHz	QPSK	40620	75RB#0	21.59	16.89	33.01	PASS
Band41	15MHz	QPSK	41515	1RB#0	22.58	17.88	33.01	PASS
Band41	15MHz	QPSK	41515	1RB#37	22.64	17.94	33.01	PASS
Band41	15MHz	QPSK	41515	1RB#74	22.52	17.82	33.01	PASS
Band41	15MHz	QPSK	41515	36RB#0	21.55	16.85	33.01	PASS
Band41	15MHz	QPSK	41515	36RB#16	21.53	16.83	33.01	PASS
Band41	15MHz	QPSK	41515	36RB#35	21.54	16.84	33.01	PASS
Band41	15MHz	QPSK	41515	75RB#0	21.51	16.81	33.01	PASS
Band41	15MHz	16QAM	39725	1RB#0	21.89	17.19	33.01	PASS
Band41	15MHz	16QAM	39725	1RB#37	21.93	17.23	33.01	PASS
Band41	15MHz	16QAM	39725	1RB#74	21.88	17.18	33.01	PASS
Band41	15MHz	16QAM	39725	36RB#0	20.47	15.77	33.01	PASS
Band41	15MHz	16QAM	39725	36RB#16	20.48	15.78	33.01	PASS
Band41	15MHz	16QAM	39725	36RB#35	20.51	15.81	33.01	PASS
Band41	15MHz	16QAM	39725	75RB#0	20.52	15.82	33.01	PASS
Band41	15MHz	16QAM	40620	1RB#0	21.90	17.2	33.01	PASS
Band41	15MHz	16QAM	40620	1RB#37	22.00	17.3	33.01	PASS
Band41	15MHz	16QAM	40620	1RB#74	21.86	17.16	33.01	PASS
Band41	15MHz	16QAM	40620	36RB#0	20.53	15.83	33.01	PASS
Band41	15MHz	16QAM	40620	36RB#16	20.54	15.84	33.01	PASS

Band41	15MHz	16QAM	40620	36RB#35	20.54	15.84	33.01	PASS
Band41	15MHz	16QAM	40620	75RB#0	20.55	15.85	33.01	PASS
Band41	15MHz	16QAM	41515	1RB#0	21.57	16.87	33.01	PASS
Band41	15MHz	16QAM	41515	1RB#37	21.61	16.91	33.01	PASS
Band41	15MHz	16QAM	41515	1RB#74	21.49	16.79	33.01	PASS
Band41	15MHz	16QAM	41515	36RB#0	20.53	15.83	33.01	PASS
Band41	15MHz	16QAM	41515	36RB#16	20.52	15.82	33.01	PASS
Band41	15MHz	16QAM	41515	36RB#35	20.53	15.83	33.01	PASS
Band41	15MHz	16QAM	41515	75RB#0	20.55	15.85	33.01	PASS
Band41	15MHz	64QAM	39725	1RB#0	20.87	16.17	33.01	PASS
Band41	15MHz	64QAM	39725	1RB#37	20.92	16.22	33.01	PASS
Band41	15MHz	64QAM	39725	1RB#74	20.85	16.15	33.01	PASS
Band41	15MHz	64QAM	39725	36RB#0	19.52	14.82	33.01	PASS
Band41	15MHz	64QAM	39725	36RB#16	19.46	14.76	33.01	PASS
Band41	15MHz	64QAM	39725	36RB#35	19.46	14.76	33.01	PASS
Band41	15MHz	64QAM	39725	75RB#0	19.50	14.8	33.01	PASS
Band41	15MHz	64QAM	40620	1RB#0	20.88	16.18	33.01	PASS
Band41	15MHz	64QAM	40620	1RB#37	20.99	16.29	33.01	PASS
Band41	15MHz	64QAM	40620	1RB#74	20.90	16.2	33.01	PASS
Band41	15MHz	64QAM	40620	36RB#0	19.53	14.83	33.01	PASS
Band41	15MHz	64QAM	40620	36RB#16	19.54	14.84	33.01	PASS
Band41	15MHz	64QAM	40620	36RB#35	19.50	14.8	33.01	PASS
Band41	15MHz	64QAM	40620	75RB#0	19.53	14.83	33.01	PASS
Band41	15MHz	64QAM	41515	1RB#0	20.81	16.11	33.01	PASS
Band41	15MHz	64QAM	41515	1RB#37	20.88	16.18	33.01	PASS
Band41	15MHz	64QAM	41515	1RB#74	20.75	16.05	33.01	PASS
Band41	15MHz	64QAM	41515	36RB#0	19.54	14.84	33.01	PASS
Band41	15MHz	64QAM	41515	36RB#16	19.54	14.84	33.01	PASS
Band41	15MHz	64QAM	41515	36RB#35	19.55	14.85	33.01	PASS
Band41	15MHz	64QAM	41515	75RB#0	19.52	14.82	33.01	PASS
Band41	20MHz	QPSK	39750	1RB#0	22.43	17.73	33.01	PASS
Band41	20MHz	QPSK	39750	1RB#49	22.54	17.84	33.01	PASS
Band41	20MHz	QPSK	39750	1RB#99	22.49	17.79	33.01	PASS
Band41	20MHz	QPSK	39750	50RB#0	21.48	16.78	33.01	PASS
Band41	20MHz	QPSK	39750	50RB#24	21.47	16.77	33.01	PASS
Band41	20MHz	QPSK	39750	50RB#49	21.49	16.79	33.01	PASS
Band41	20MHz	QPSK	39750	100RB#0	21.56	16.86	33.01	PASS
Band41	20MHz	QPSK	40620	1RB#0	22.45	17.75	33.01	PASS
Band41	20MHz	QPSK	40620	1RB#49	22.63	17.93	33.01	PASS
Band41	20MHz	QPSK	40620	1RB#99	22.46	17.76	33.01	PASS
Band41	20MHz	QPSK	40620	50RB#0	21.55	16.85	33.01	PASS
Band41	20MHz	QPSK	40620	50RB#24	21.56	16.86	33.01	PASS

Band41	20MHz	QPSK	40620	50RB#49	21.57	16.87	33.01	PASS
Band41	20MHz	QPSK	40620	100RB#0	21.59	16.89	33.01	PASS
Band41	20MHz	QPSK	41490	1RB#0	22.50	17.8	33.01	PASS
Band41	20MHz	QPSK	41490	1RB#49	22.58	17.88	33.01	PASS
Band41	20MHz	QPSK	41490	1RB#99	22.46	17.76	33.01	PASS
Band41	20MHz	QPSK	41490	50RB#0	21.59	16.89	33.01	PASS
Band41	20MHz	QPSK	41490	50RB#24	21.59	16.89	33.01	PASS
Band41	20MHz	QPSK	41490	50RB#49	21.59	16.89	33.01	PASS
Band41	20MHz	QPSK	41490	100RB#0	21.57	16.87	33.01	PASS
Band41	20MHz	16QAM	39750	1RB#0	21.62	16.92	33.01	PASS
Band41	20MHz	16QAM	39750	1RB#49	21.73	17.03	33.01	PASS
Band41	20MHz	16QAM	39750	1RB#99	21.65	16.95	33.01	PASS
Band41	20MHz	16QAM	39750	50RB#0	20.45	15.75	33.01	PASS
Band41	20MHz	16QAM	39750	50RB#24	20.45	15.75	33.01	PASS
Band41	20MHz	16QAM	39750	50RB#49	20.44	15.74	33.01	PASS
Band41	20MHz	16QAM	39750	100RB#0	20.49	15.79	33.01	PASS
Band41	20MHz	16QAM	40620	1RB#0	21.66	16.96	33.01	PASS
Band41	20MHz	16QAM	40620	1RB#49	21.79	17.09	33.01	PASS
Band41	20MHz	16QAM	40620	1RB#99	21.69	16.99	33.01	PASS
Band41	20MHz	16QAM	40620	50RB#0	20.54	15.84	33.01	PASS
Band41	20MHz	16QAM	40620	50RB#24	20.55	15.85	33.01	PASS
Band41	20MHz	16QAM	40620	50RB#49	20.55	15.85	33.01	PASS
Band41	20MHz	16QAM	40620	100RB#0	20.54	15.84	33.01	PASS
Band41	20MHz	16QAM	41490	1RB#0	21.17	16.47	33.01	PASS
Band41	20MHz	16QAM	41490	1RB#49	21.21	16.51	33.01	PASS
Band41	20MHz	16QAM	41490	1RB#99	21.11	16.41	33.01	PASS
Band41	20MHz	16QAM	41490	50RB#0	20.60	15.9	33.01	PASS
Band41	20MHz	16QAM	41490	50RB#24	20.61	15.91	33.01	PASS
Band41	20MHz	16QAM	41490	50RB#49	20.62	15.92	33.01	PASS
Band41	20MHz	16QAM	41490	100RB#0	20.56	15.86	33.01	PASS
Band41	20MHz	64QAM	39750	1RB#0	20.64	15.94	33.01	PASS
Band41	20MHz	64QAM	39750	1RB#49	20.71	16.01	33.01	PASS
Band41	20MHz	64QAM	39750	1RB#99	20.63	15.93	33.01	PASS
Band41	20MHz	64QAM	39750	50RB#0	19.44	14.74	33.01	PASS
Band41	20MHz	64QAM	39750	50RB#24	19.40	14.7	33.01	PASS
Band41	20MHz	64QAM	39750	50RB#49	19.46	14.76	33.01	PASS
Band41	20MHz	64QAM	39750	100RB#0	19.48	14.78	33.01	PASS
Band41	20MHz	64QAM	40620	1RB#0	20.68	15.98	33.01	PASS
Band41	20MHz	64QAM	40620	1RB#49	20.78	16.08	33.01	PASS
Band41	20MHz	64QAM	40620	1RB#99	20.67	15.97	33.01	PASS
Band41	20MHz	64QAM	40620	50RB#0	19.50	14.8	33.01	PASS
Band41	20MHz	64QAM	40620	50RB#24	19.47	14.77	33.01	PASS

Band41	20MHz	64QAM	40620	50RB#49	19.47	14.77	33.01	PASS
Band41	20MHz	64QAM	40620	100RB#0	19.51	14.81	33.01	PASS
Band41	20MHz	64QAM	41490	1RB#0	20.56	15.86	33.01	PASS
Band41	20MHz	64QAM	41490	1RB#49	20.68	15.98	33.01	PASS
Band41	20MHz	64QAM	41490	1RB#99	20.51	15.81	33.01	PASS
Band41	20MHz	64QAM	41490	50RB#0	19.63	14.93	33.01	PASS
Band41	20MHz	64QAM	41490	50RB#24	19.62	14.92	33.01	PASS
Band41	20MHz	64QAM	41490	50RB#49	19.62	14.92	33.01	PASS
Band41	20MHz	64QAM	41490	100RB#0	19.58	14.88	33.01	PASS

Remark: EIRP (dBm) = Conducted power (dBm) + Antenna Gain (dBi). (For Band 7 & 41 & 66)
ERP (dBm) = EIRP (dBm) - 2.15 (dB).

Appendix B: Peak-to-Average Ratio(CCDF)

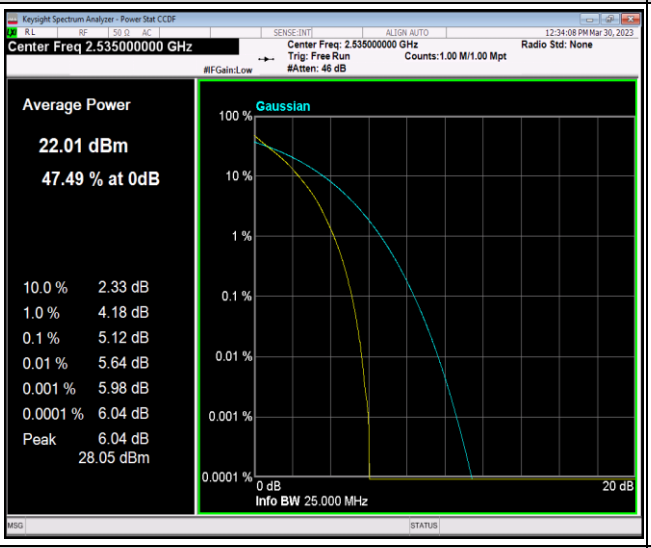
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	20MHz	QPSK	21100	100RB#0	5.12	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	5.95	13	PASS
Band7	20MHz	64QAM	21100	100RB#0	6.37	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	5.67	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	6.69	13	PASS
Band41	20MHz	64QAM	40620	100RB#0	7.41	13	PASS

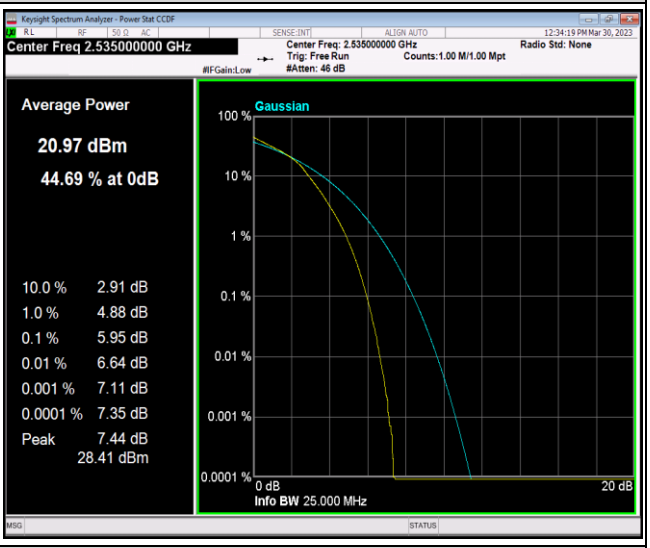
Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.

Test Graphs

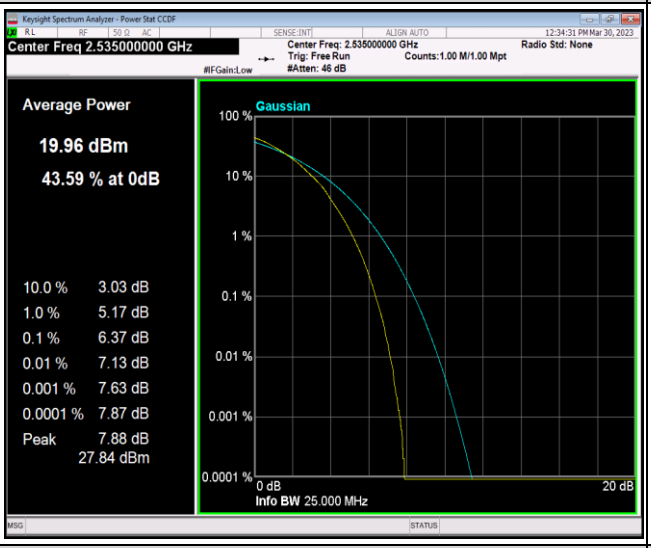
Band7-20MHz-QPSK-21100-100RB#0



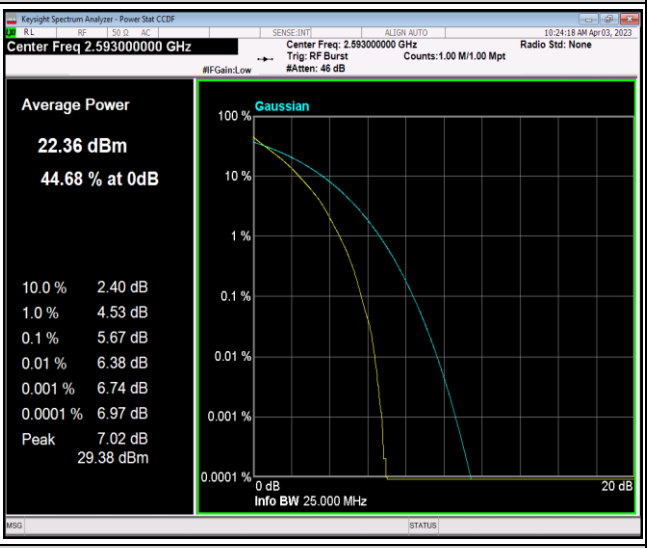
Band7-20MHz-16QAM-21100-100RB#0



Band7-20MHz-64QAM-21100-100RB#0

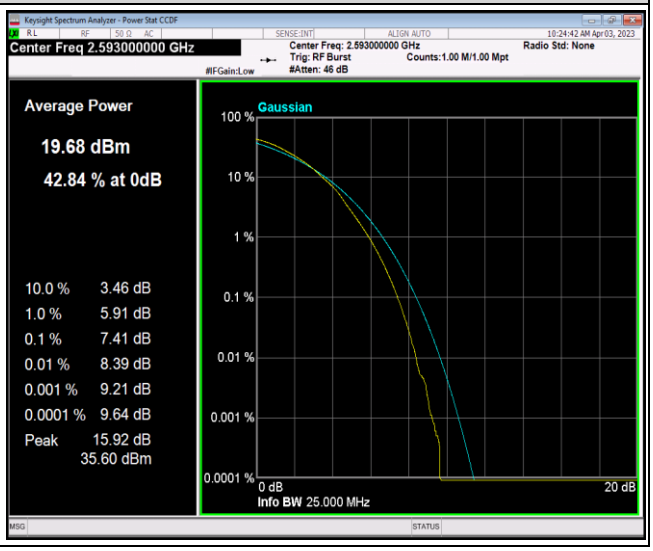


Band41-20MHz-QPSK-40620-100RB#0



Band41-20MHz-16QAM-40620-100RB#0

Band41-20MHz-64QAM-40620-100RB#0



Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.5104	4.977	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.4923	4.959	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.5056	4.999	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.4930	4.962	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.5103	5.031	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.5193	4.976	PASS
Band7	5MHz	64QAM	20775	25RB#0	4.4978	4.960	PASS
Band7	5MHz	64QAM	21100	25RB#0	4.5009	5.187	PASS
Band7	5MHz	64QAM	21425	25RB#0	4.5061	4.956	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.9848	9.899	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.9912	9.759	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.9815	9.797	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.9793	9.761	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.9787	9.821	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.9900	9.778	PASS
Band7	10MHz	64QAM	20800	50RB#0	8.9781	9.822	PASS
Band7	10MHz	64QAM	21100	50RB#0	8.9874	9.800	PASS
Band7	10MHz	64QAM	21400	50RB#0	8.9606	9.784	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.480	14.71	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.464	14.72	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.442	14.81	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.470	14.66	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.470	14.66	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.465	15.03	PASS
Band7	15MHz	64QAM	20825	75RB#0	13.449	14.67	PASS
Band7	15MHz	64QAM	21100	75RB#0	13.471	14.68	PASS
Band7	15MHz	64QAM	21375	75RB#0	13.479	15.07	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.962	19.40	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.947	19.56	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.964	19.50	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.975	19.41	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.945	19.45	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.973	19.48	PASS
Band7	20MHz	64QAM	20850	100RB#0	17.942	19.44	PASS
Band7	20MHz	64QAM	21100	100RB#0	17.945	19.75	PASS

Band7	20MHz	64QAM	21350	100RB#0	17.968	20.49	PASS
Band41	5MHz	QPSK	39675	25RB#0	4.4970	4.992	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.4954	5.036	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.4963	5.035	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.5005	4.994	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.4989	4.989	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.5020	5.017	PASS
Band41	5MHz	64QAM	39675	25RB#0	4.5085	5.006	PASS
Band41	5MHz	64QAM	40620	25RB#0	4.5145	5.009	PASS
Band41	5MHz	64QAM	41565	25RB#0	4.5134	5.040	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.9862	9.820	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.9904	9.800	PASS
Band41	10MHz	QPSK	41540	50RB#0	8.9900	9.906	PASS
Band41	10MHz	16QAM	39700	50RB#0	8.9795	9.761	PASS
Band41	10MHz	16QAM	40620	50RB#0	8.9779	9.813	PASS
Band41	10MHz	16QAM	41540	50RB#0	8.9842	9.830	PASS
Band41	10MHz	64QAM	39700	50RB#0	8.9716	9.742	PASS
Band41	10MHz	64QAM	40620	50RB#0	8.9818	9.768	PASS
Band41	10MHz	64QAM	41540	50RB#0	8.9829	9.762	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.491	14.61	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.502	14.67	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.494	14.86	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.495	14.94	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.506	14.74	PASS
Band41	15MHz	16QAM	41515	75RB#0	13.500	14.99	PASS
Band41	15MHz	64QAM	39725	75RB#0	13.458	14.48	PASS
Band41	15MHz	64QAM	40620	75RB#0	13.447	14.59	PASS
Band41	15MHz	64QAM	41515	75RB#0	13.449	14.58	PASS
Band41	20MHz	QPSK	39750	100RB#0	17.935	19.32	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.972	19.30	PASS
Band41	20MHz	QPSK	41490	100RB#0	17.952	19.28	PASS
Band41	20MHz	16QAM	39750	100RB#0	17.940	19.44	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.955	19.36	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.955	19.37	PASS
Band41	20MHz	64QAM	39750	100RB#0	17.895	19.58	PASS
Band41	20MHz	64QAM	40620	100RB#0	17.946	19.87	PASS
Band41	20MHz	64QAM	41490	100RB#0	17.932	19.43	PASS