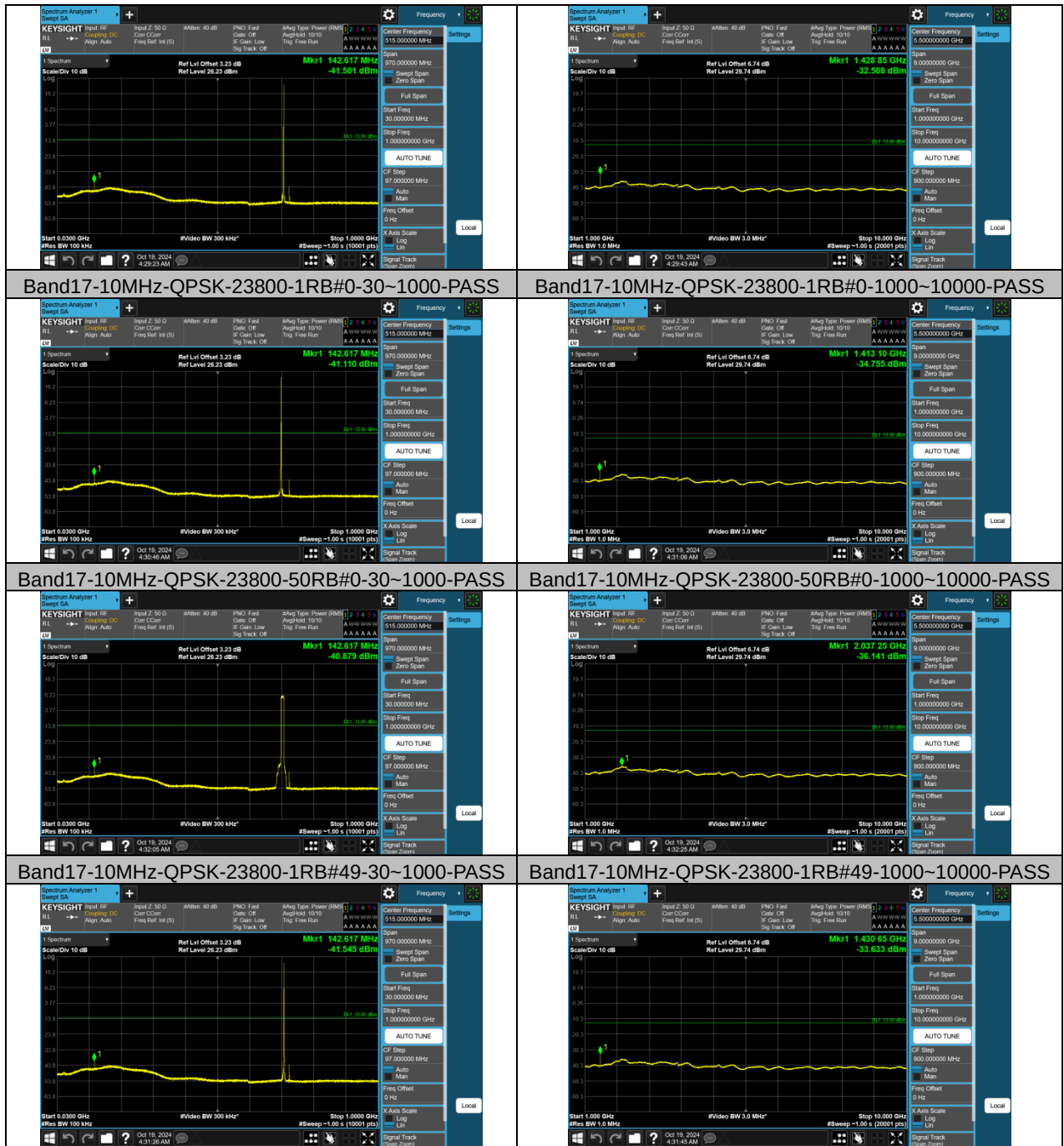




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Test Report No.: W7L-P24090006RF06



FREQUENCY STABILITY

Test Result

Voltage												
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band1 7	10MHz	QPSK	23780	50RB #0	VN	NT	-1067.21	-1.505229	704.0029	---	704-716	PASS
Band1 7	10MHz	QPSK	23780	50RB #0	VL	NT	1226.54	1.729953	704.0499	---	704-716	PASS
Band1 7	10MHz	QPSK	23780	50RB #0	VH	NT	-1293.72	-1.824706	704.0350	---	704-716	PASS
Band1 7	10MHz	QPSK	23800	50RB #0	VN	NT	907.28	1.276063	---	715.7842	704-716	PASS
Band1 7	10MHz	QPSK	23800	50RB #0	VL	NT	-1045.37	-1.470281	---	715.7267	704-716	PASS
Band1 7	10MHz	QPSK	23800	50RB #0	VH	NT	-1111.50	-1.563296	---	715.6530	704-716	PASS

Temperature												
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band1 7	10MHz	QPSK	23780	50RB #0	NV	-30	-1073.60	-1.514245	703.9981	---	704-716	PASS
Band1 7	10MHz	QPSK	23780	50RB #0	NV	-20	1251.88	1.765693	704.0382	---	704-716	PASS
Band1 7	10MHz	QPSK	23780	50RB #0	NV	-10	-1239.24	-1.747864	704.0136	---	704-716	PASS
Band1 7	10MHz	QPSK	23780	50RB #0	NV	0	-1222.04	-1.723611	704.0414	---	704-716	PASS
Band1 7	10MHz	QPSK	23780	50RB #0	NV	10	1192.27	1.681625	704.0029	---	704-716	PASS
Band1 7	10MHz	QPSK	23780	50RB #0	NV	20	-1289.59	-1.818884	704.0444	---	704-716	PASS
Band1 7	10MHz	QPSK	23780	50RB #0	NV	30	1292.49	1.822982	704.0411	---	704-716	PASS
Band1 7	10MHz	QPSK	23780	50RB #0	NV	40	1215.01	1.713697	704.0476	---	704-716	PASS
Band1 7	10MHz	QPSK	23780	50RB #0	NV	50	-1344.03	-1.895663	704.0103	---	704-716	PASS
Band1 7	10MHz	QPSK	23800	50RB #0	NV	-30	973.68	1.369458	---	715.7077	704-716	PASS
Band1 7	10MHz	QPSK	23800	50RB #0	NV	-20	-1095.18	-1.540332	---	715.6060	704-716	PASS
Band1 7	10MHz	QPSK	23800	50RB #0	NV	-10	-1150.06	-1.617524	---	715.6932	704-716	PASS
Band1 7	10MHz	QPSK	23800	50RB #0	NV	0	902.5	1.269	---	715.7	704-716	PASS



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Test Report No.: W7L-P24090006RF06

7	z			#0			9	466		090	16	
Band1 7	10MH z	QPSK	23800	50RB #0	NV	10	771.5 0	1.085 096	---	715.7 778	704-7 16	PASS
Band1 7	10MH z	QPSK	23800	50RB #0	NV	20	-541.5 3	-0.761 652	---	715.8 290	704-7 16	PASS
Band1 7	10MH z	QPSK	23800	50RB #0	NV	30	-730.9 4	-1.028 048	---	715.6 570	704-7 16	PASS
Band1 7	10MH z	QPSK	23800	50RB #0	NV	40	-768.2 0	-1.080 454	---	715.9 761	704-7 16	PASS
Band1 7	10MH z	QPSK	23800	50RB #0	NV	50	-1001. 78	-1.408 968	---	715.7 870	704-7 16	PASS

LTE BAND 41

PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41(2555-2655)	5MHz	QPSK	40165	1RB#0	3.17	13	PASS
Band41(2555-2655)	5MHz	QPSK	40165	25RB#0	4.80	13	PASS
Band41(2555-2655)	5MHz	QPSK	40690	1RB#0	3.89	13	PASS
Band41(2555-2655)	5MHz	QPSK	40690	25RB#0	5.17	13	PASS
Band41(2555-2655)	5MHz	QPSK	41215	1RB#0	3.79	13	PASS
Band41(2555-2655)	5MHz	QPSK	41215	25RB#0	5.05	13	PASS
Band41(2555-2655)	5MHz	16QAM	40165	1RB#0	4.08	13	PASS
Band41(2555-2655)	5MHz	16QAM	40165	25RB#0	5.68	13	PASS
Band41(2555-2655)	5MHz	16QAM	40690	1RB#0	4.72	13	PASS
Band41(2555-2655)	5MHz	16QAM	40690	25RB#0	6.12	13	PASS
Band41(2555-2655)	5MHz	16QAM	41215	1RB#0	4.84	13	PASS
Band41(2555-2655)	5MHz	16QAM	41215	25RB#0	5.88	13	PASS
Band41(2555-2655)	10MHz	QPSK	40190	1RB#0	3.23	13	PASS
Band41(2555-2655)	10MHz	QPSK	40190	50RB#0	4.98	13	PASS
Band41(2555-2655)	10MHz	QPSK	40690	1RB#0	3.86	13	PASS
Band41(2555-2655)	10MHz	QPSK	40690	50RB#0	5.29	13	PASS
Band41(2555-2655)	10MHz	QPSK	41190	1RB#0	3.92	13	PASS
Band41(2555-2655)	10MHz	QPSK	41190	50RB#0	5.21	13	PASS
Band41(2555-2655)	10MHz	16QAM	40190	1RB#0	4.21	13	PASS
Band41(2555-2655)	10MHz	16QAM	40190	50RB#0	5.79	13	PASS
Band41(2555-2655)	10MHz	16QAM	40690	1RB#0	4.80	13	PASS
Band41(2555-2655)	10MHz	16QAM	40690	50RB#0	6.12	13	PASS
Band41(2555-2655)	10MHz	16QAM	41190	1RB#0	4.98	13	PASS
Band41(2555-2655)	10MHz	16QAM	41190	50RB#0	6.02	13	PASS
Band41(2555-2655)	15MHz	QPSK	40215	1RB#0	3.49	13	PASS
Band41(2555-2655)	15MHz	QPSK	40215	75RB#0	5.06	13	PASS
Band41(2555-2655)	15MHz	QPSK	40690	1RB#0	4.06	13	PASS
Band41(2555-2655)	15MHz	QPSK	40690	75RB#0	5.16	13	PASS
Band41(2555-2655)	15MHz	QPSK	41165	1RB#0	4.08	13	PASS
Band41(2555-2655)	15MHz	QPSK	41165	75RB#0	5.11	13	PASS
Band41(2555-2655)	15MHz	16QAM	40215	1RB#0	4.48	13	PASS
Band41(2555-2655)	15MHz	16QAM	40215	75RB#0	5.96	13	PASS
Band41(2555-2655)	15MHz	16QAM	40690	1RB#0	5.12	13	PASS
Band41(2555-2655)	15MHz	16QAM	40690	75RB#0	6.07	13	PASS
Band41(2555-2655)	15MHz	16QAM	41165	1RB#0	5.16	13	PASS
Band41(2555-2655)	15MHz	16QAM	41165	75RB#0	6.04	13	PASS
Band41(2555-2655)	20MHz	QPSK	40240	1RB#0	3.48	13	PASS
Band41(2555-2655)	20MHz	QPSK	40240	100RB#0	5.16	13	PASS
Band41(2555-2655)	20MHz	QPSK	40690	1RB#0	3.98	13	PASS
Band41(2555-2655)	20MHz	QPSK	40690	100RB#0	5.27	13	PASS
Band41(2555-2655)	20MHz	QPSK	41140	1RB#0	4.04	13	PASS

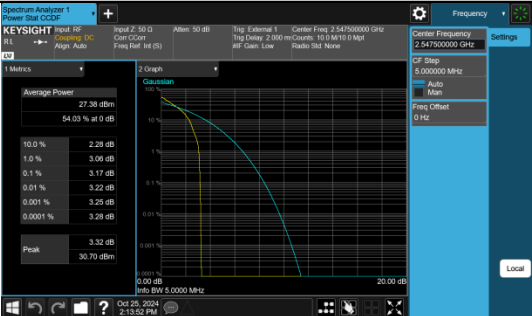
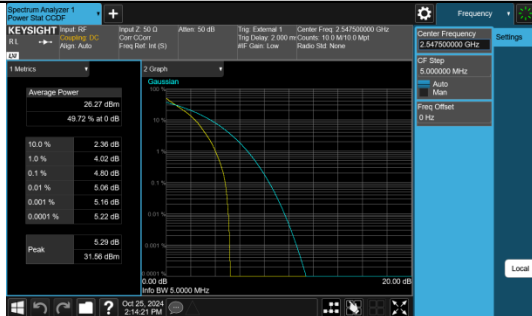
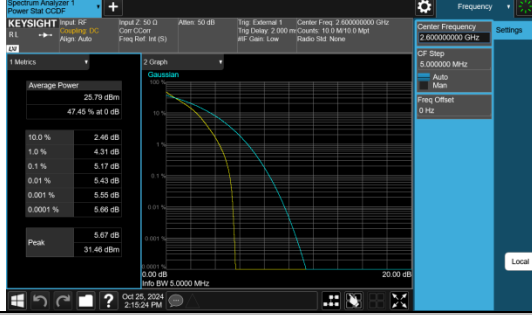
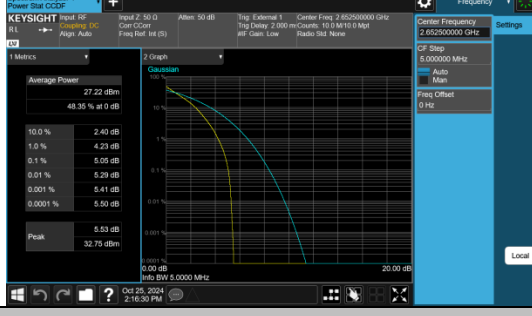
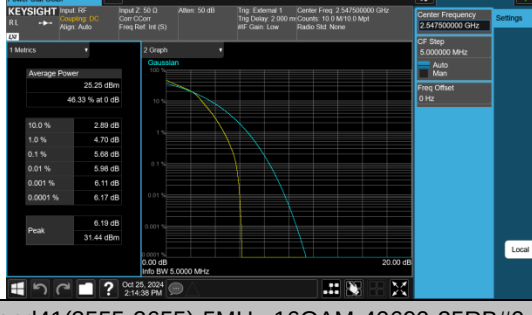
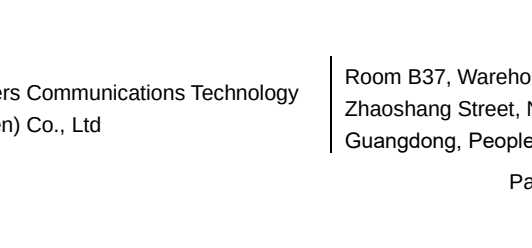
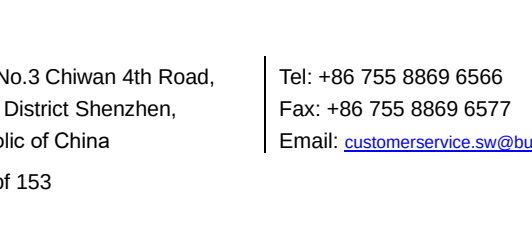


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Test Report No.: W7L-P24090006RF06

Band41(2555-2655)	20MHz	QPSK	41140	100RB#0	5.22	13	PASS
Band41(2555-2655)	20MHz	16QAM	40240	1RB#0	4.21	13	PASS
Band41(2555-2655)	20MHz	16QAM	40240	100RB#0	6.03	13	PASS
Band41(2555-2655)	20MHz	16QAM	40690	1RB#0	4.78	13	PASS
Band41(2555-2655)	20MHz	16QAM	40690	100RB#0	6.14	13	PASS
Band41(2555-2655)	20MHz	16QAM	41140	1RB#0	5.04	13	PASS
Band41(2555-2655)	20MHz	16QAM	41140	100RB#0	6.09	13	PASS

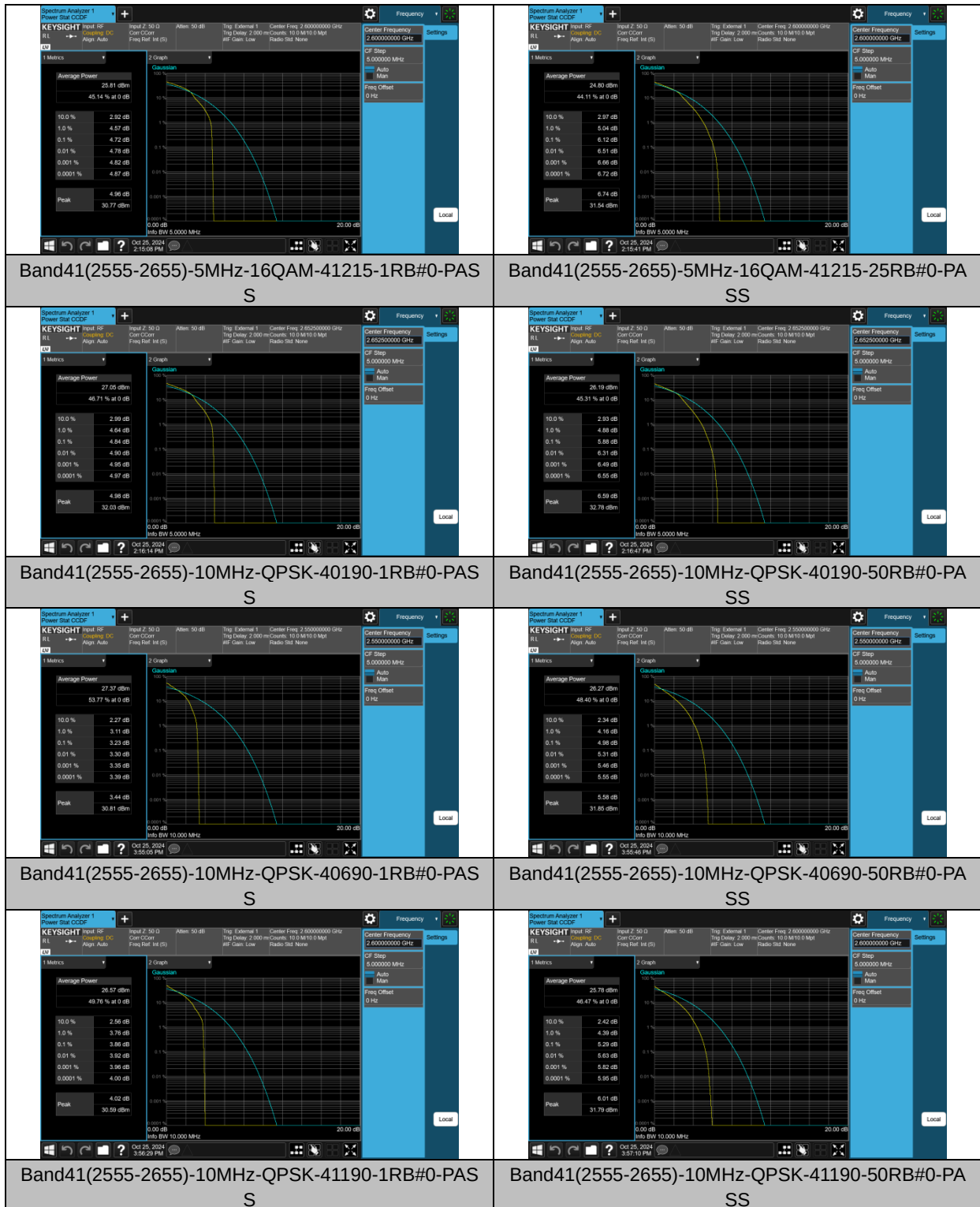
Test Graphs

Band41(2555-2655)-5MHz-QPSK-40165-1RB#0-PASS 	Band41(2555-2655)-5MHz-QPSK-40165-25RB#0-PASS 
Band41(2555-2655)-5MHz-QPSK-40690-1RB#0-PASS 	Band41(2555-2655)-5MHz-QPSK-40690-25RB#0-PASS 
Band41(2555-2655)-5MHz-QPSK-41215-1RB#0-PASS 	Band41(2555-2655)-5MHz-QPSK-41215-25RB#0-PASS 
Band41(2555-2655)-5MHz-16QAM-40165-1RB#0-PASS 	Band41(2555-2655)-5MHz-16QAM-40165-25RB#0-PASS 
Band41(2555-2655)-5MHz-16QAM-40690-1RB#0-PASS 	Band41(2555-2655)-5MHz-16QAM-40690-25RB#0-PASS 



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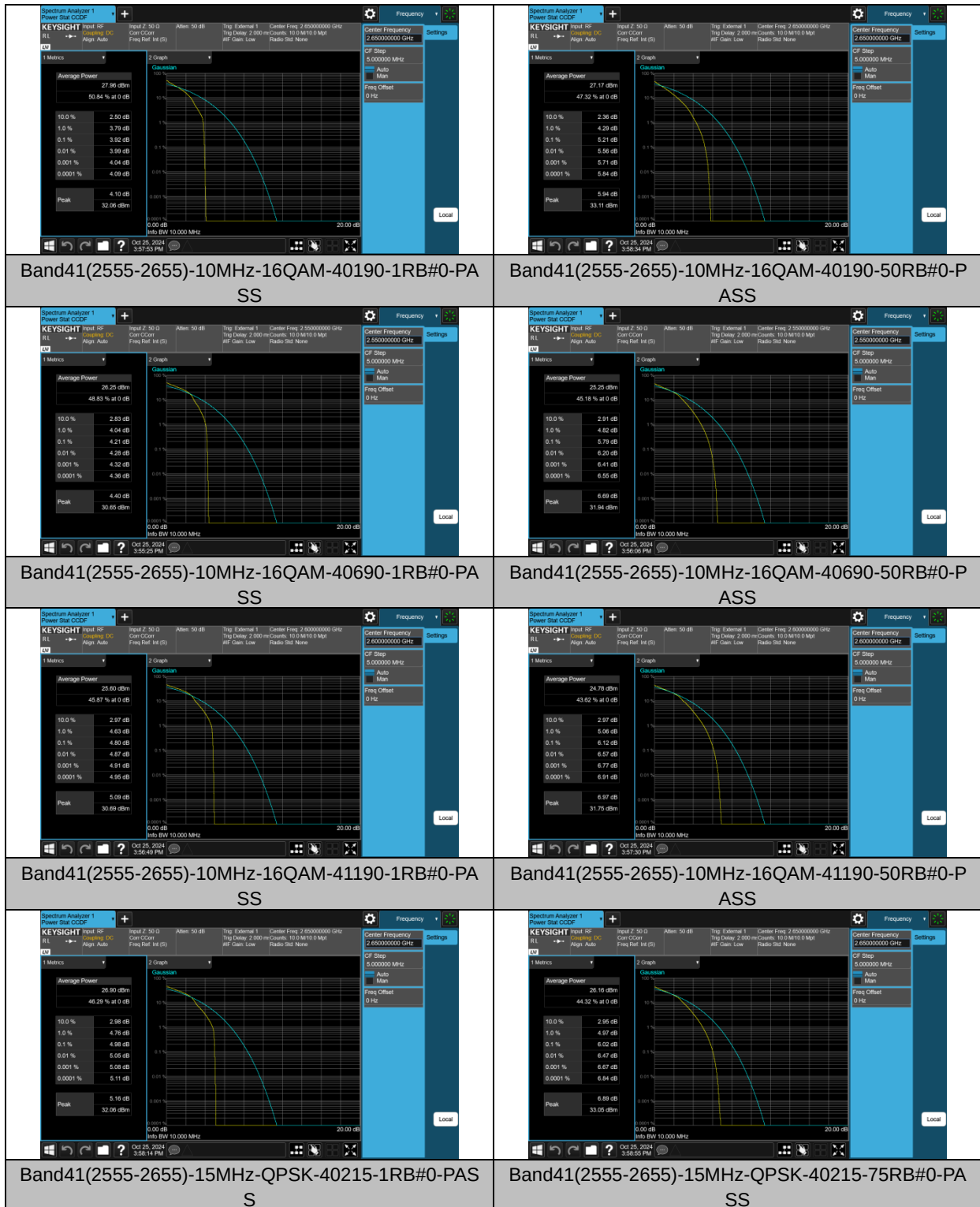
Test Report No.: W7L-P24090006RF06





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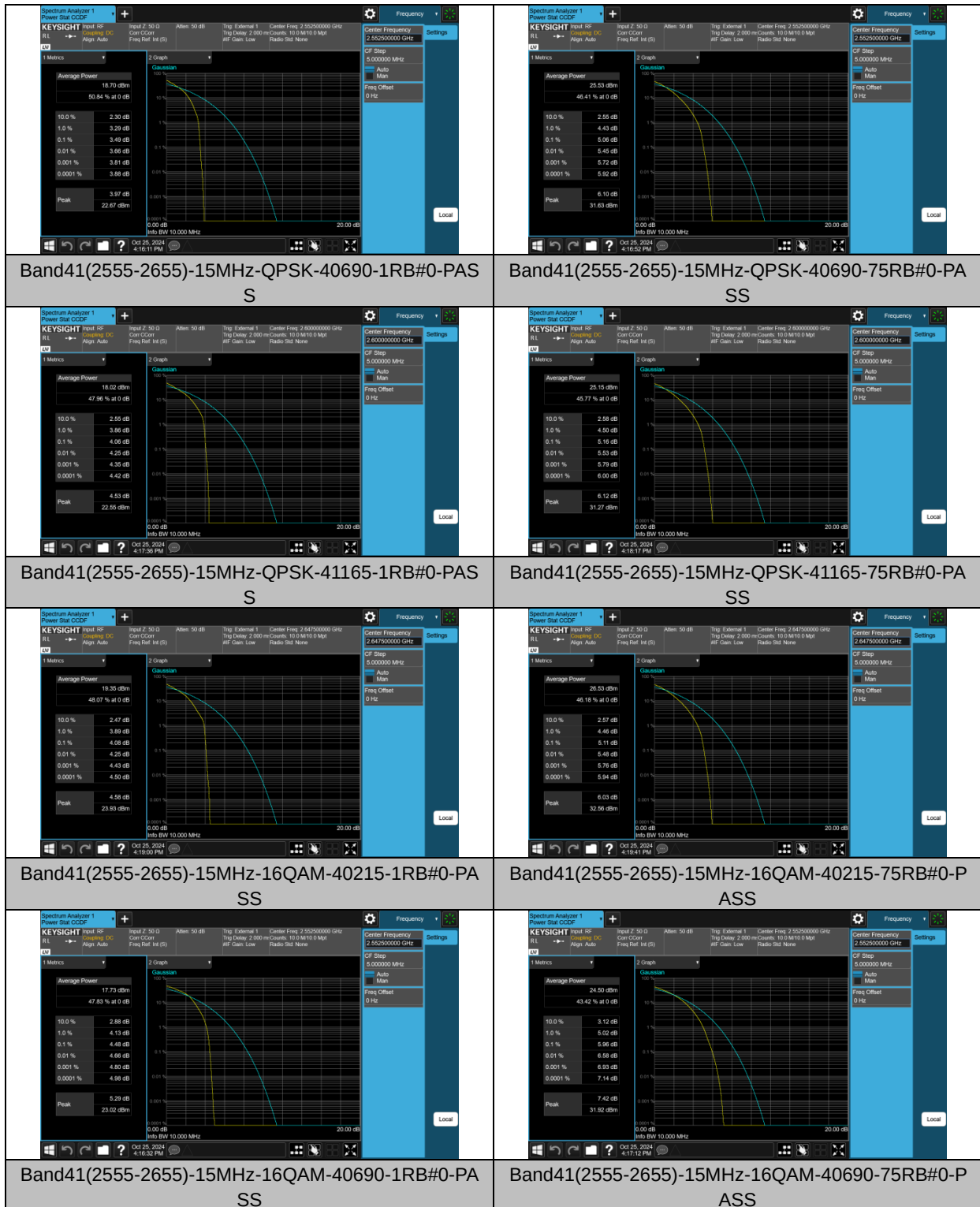
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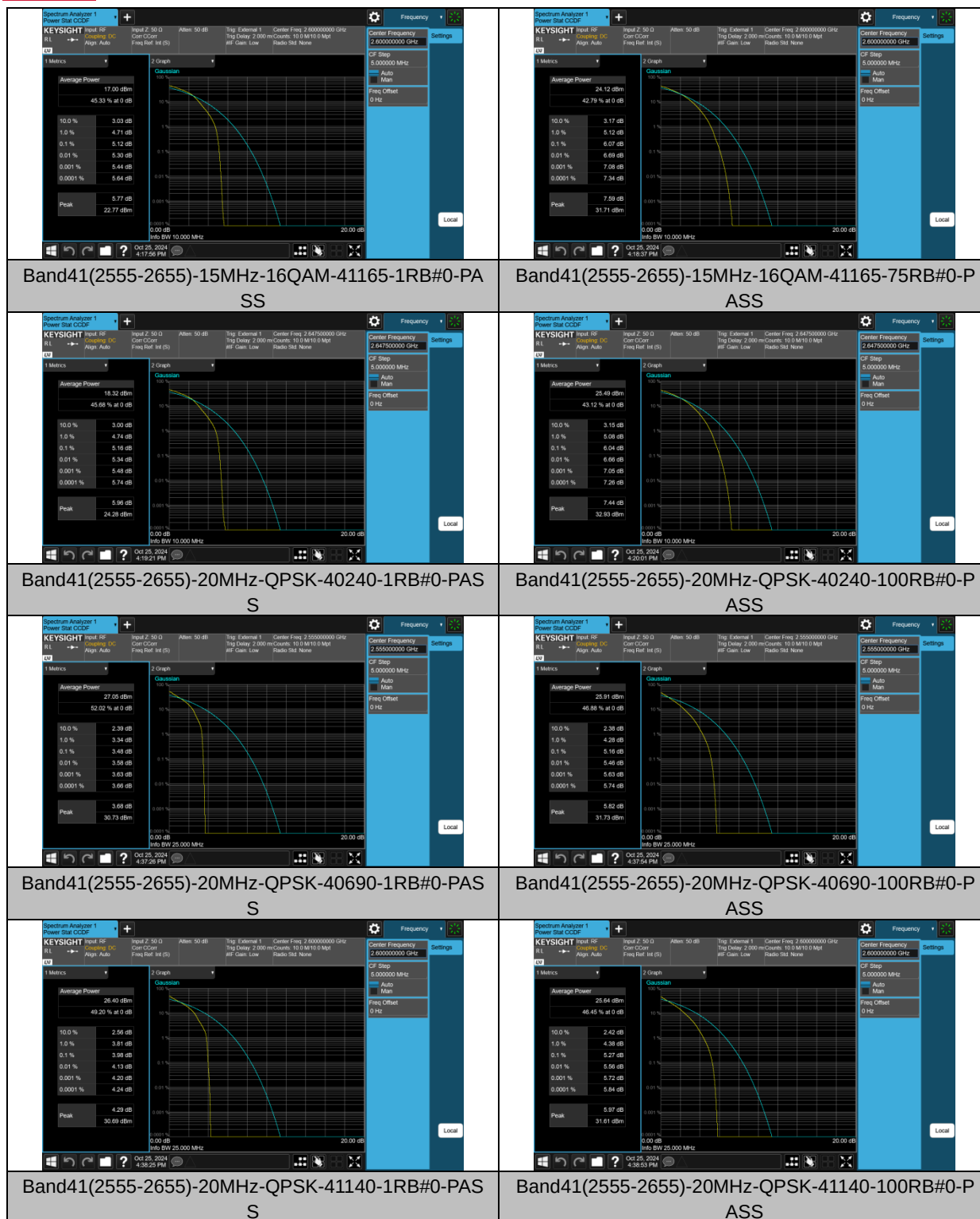




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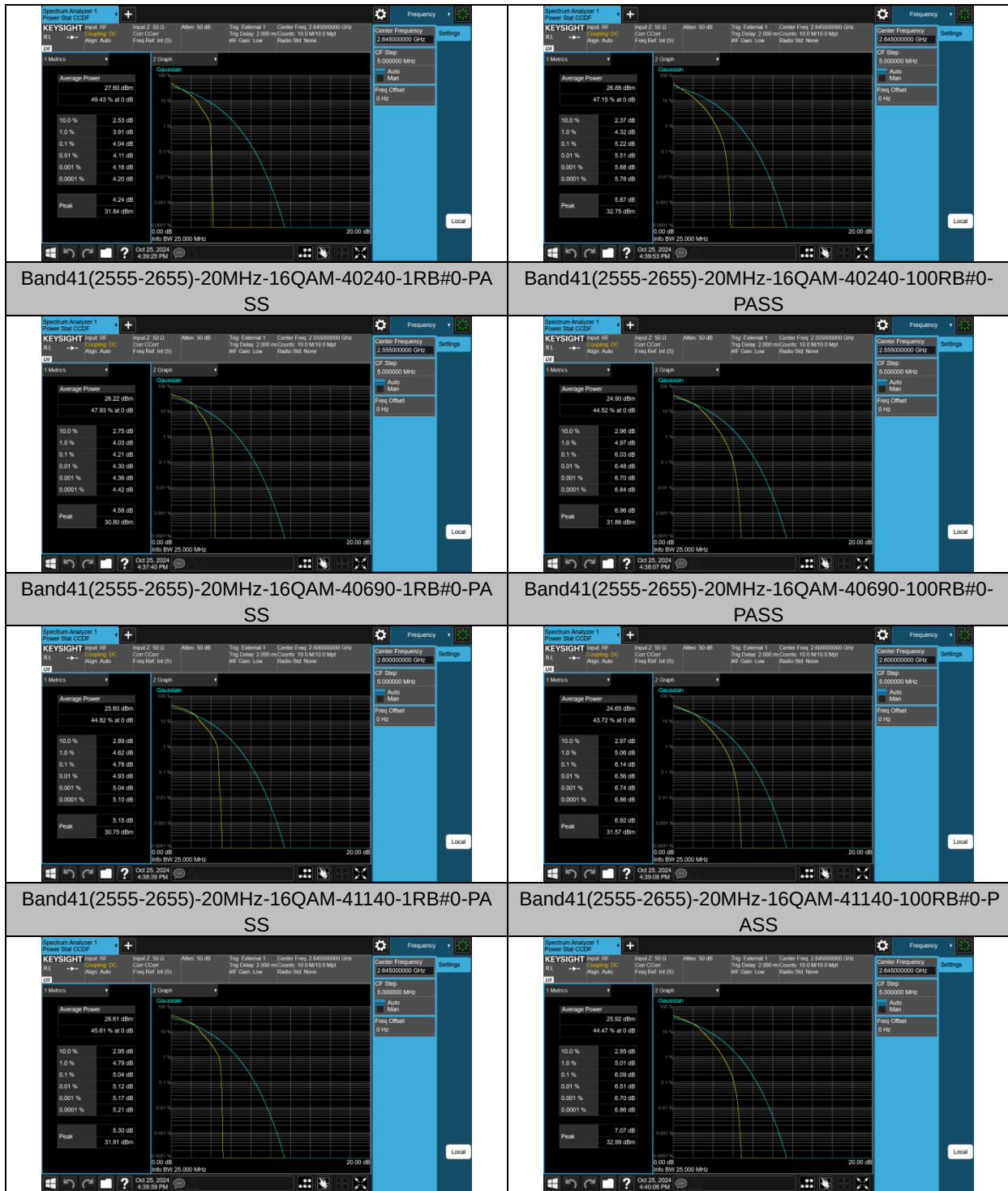






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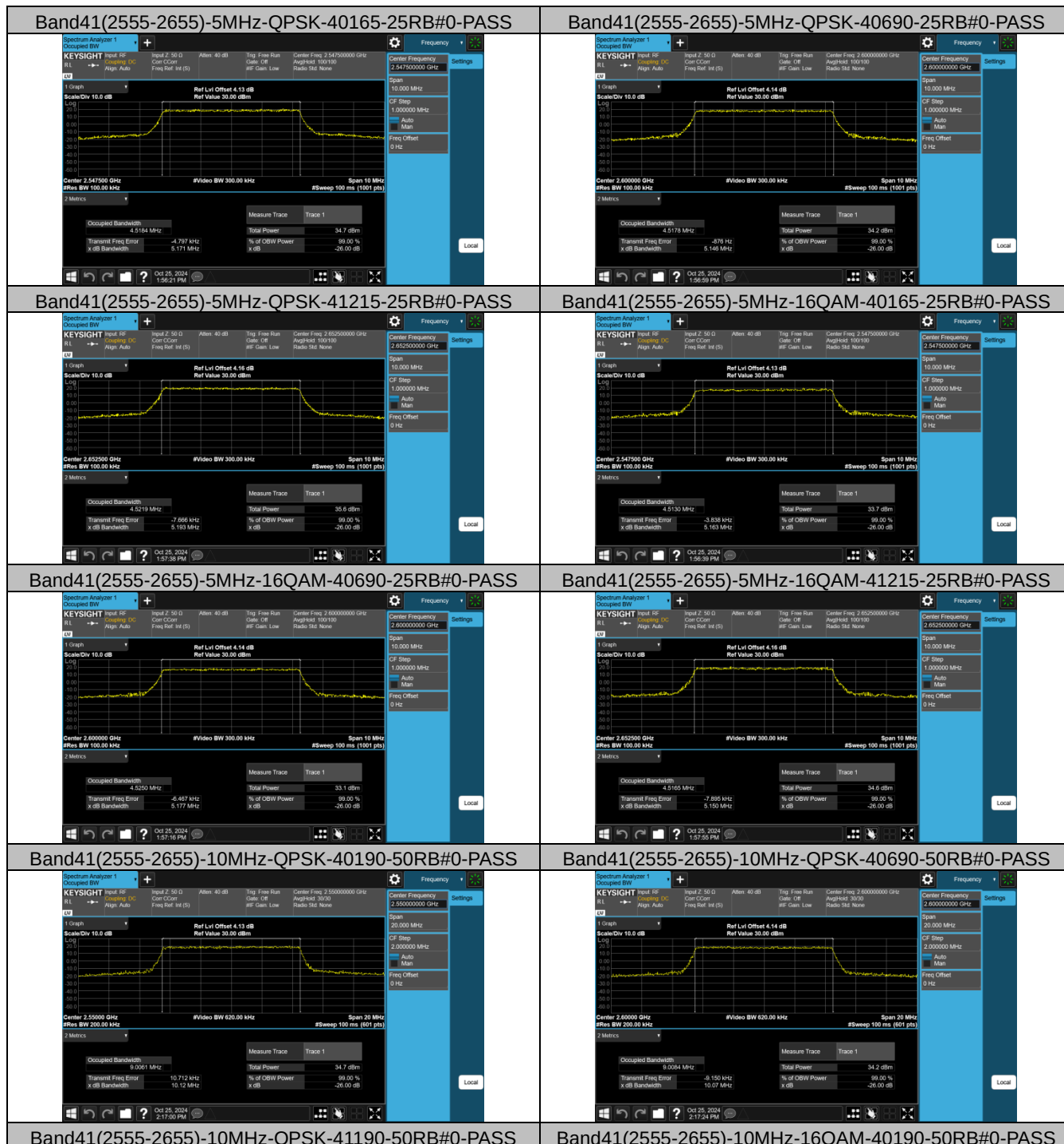


26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41(2555-2655)	5MHz	QPSK	40165	25RB#0	4.5184	5.171	PASS
Band41(2555-2655)	5MHz	QPSK	40690	25RB#0	4.5178	5.146	PASS
Band41(2555-2655)	5MHz	QPSK	41215	25RB#0	4.5219	5.193	PASS
Band41(2555-2655)	5MHz	16QAM	40165	25RB#0	4.5130	5.163	PASS
Band41(2555-2655)	5MHz	16QAM	40690	25RB#0	4.5250	5.177	PASS
Band41(2555-2655)	5MHz	16QAM	41215	25RB#0	4.5165	5.150	PASS
Band41(2555-2655)	10MHz	QPSK	40190	50RB#0	9.0061	10.12	PASS
Band41(2555-2655)	10MHz	QPSK	40690	50RB#0	9.0084	10.07	PASS
Band41(2555-2655)	10MHz	QPSK	41190	50RB#0	8.9893	10.02	PASS
Band41(2555-2655)	10MHz	16QAM	40190	50RB#0	8.9959	9.950	PASS
Band41(2555-2655)	10MHz	16QAM	40690	50RB#0	9.0102	10.03	PASS
Band41(2555-2655)	10MHz	16QAM	41190	50RB#0	9.0083	9.981	PASS
Band41(2555-2655)	15MHz	QPSK	40215	75RB#0	13.473	14.98	PASS
Band41(2555-2655)	15MHz	QPSK	40690	75RB#0	13.481	14.89	PASS
Band41(2555-2655)	15MHz	QPSK	41165	75RB#0	13.462	14.99	PASS
Band41(2555-2655)	15MHz	16QAM	40215	75RB#0	13.466	14.89	PASS
Band41(2555-2655)	15MHz	16QAM	40690	75RB#0	13.504	15.05	PASS
Band41(2555-2655)	15MHz	16QAM	41165	75RB#0	13.465	14.95	PASS
Band41(2555-2655)	20MHz	QPSK	40240	100RB#0	17.959	19.68	PASS
Band41(2555-2655)	20MHz	QPSK	40690	100RB#0	18.002	19.83	PASS
Band41(2555-2655)	20MHz	QPSK	41140	100RB#0	17.970	19.84	PASS
Band41(2555-2655)	20MHz	16QAM	40240	100RB#0	17.968	19.79	PASS
Band41(2555-2655)	20MHz	16QAM	40690	100RB#0	17.980	19.74	PASS
Band41(2555-2655)	20MHz	16QAM	41140	100RB#0	17.913	19.60	PASS

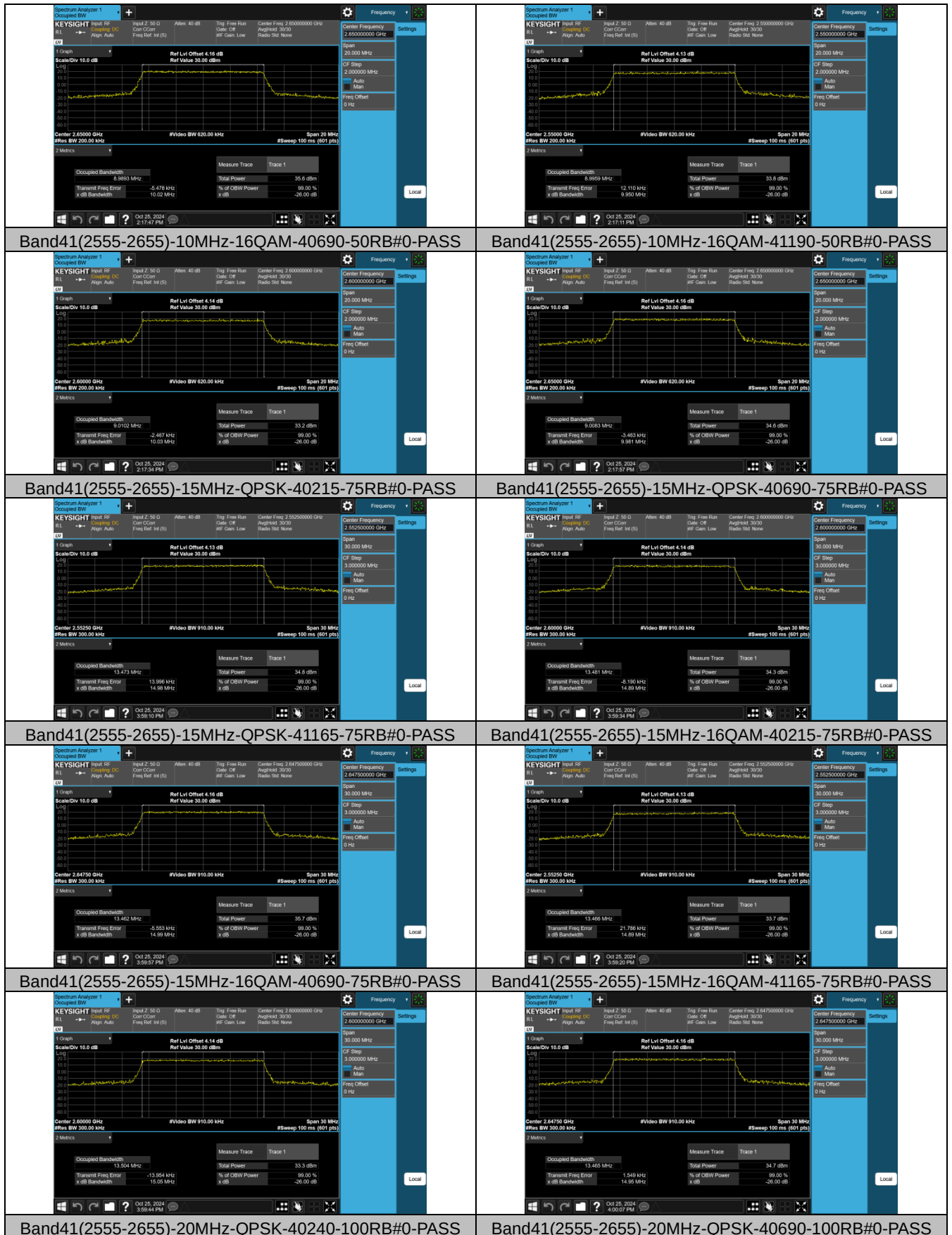
Test Graphs





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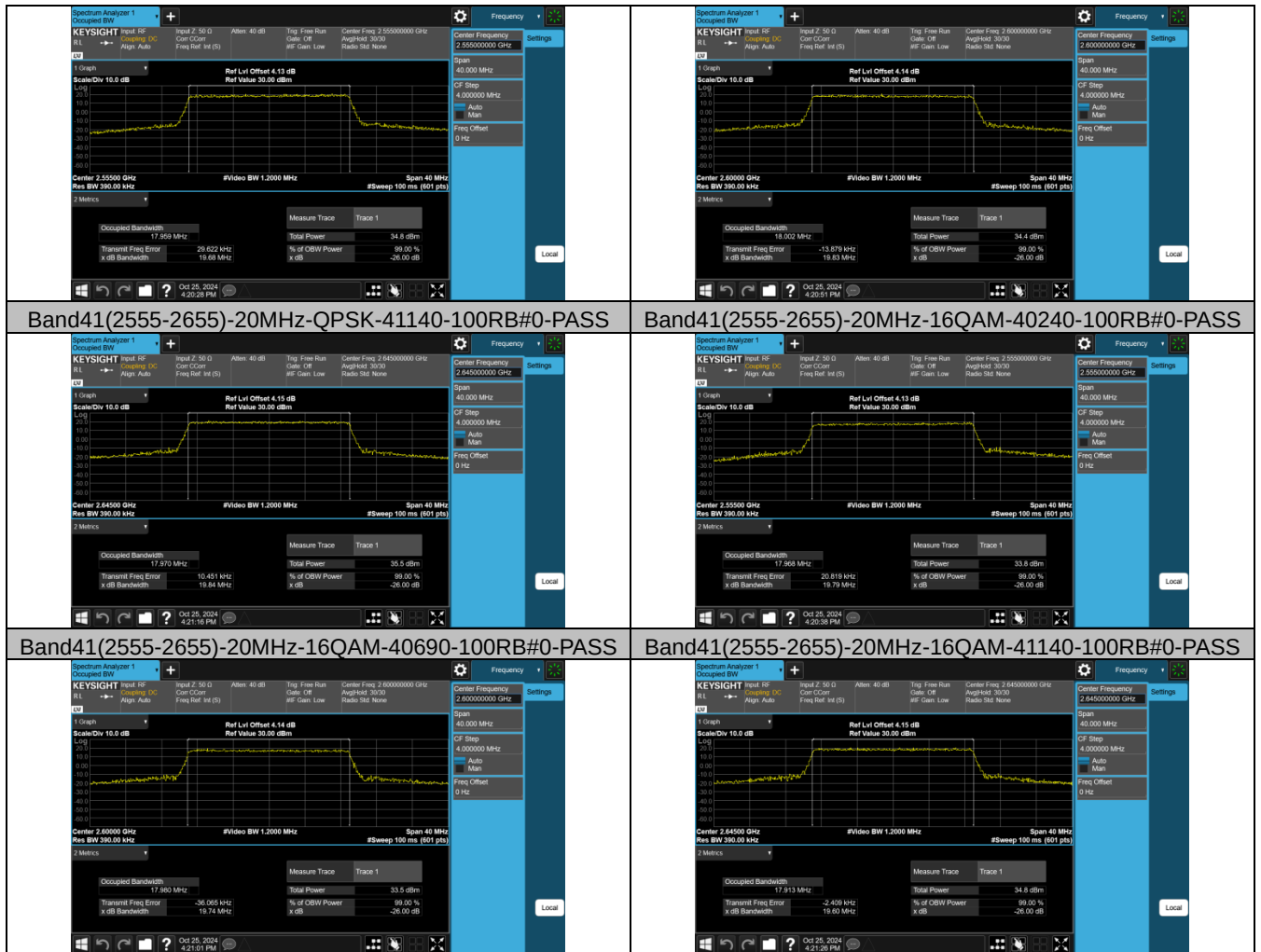
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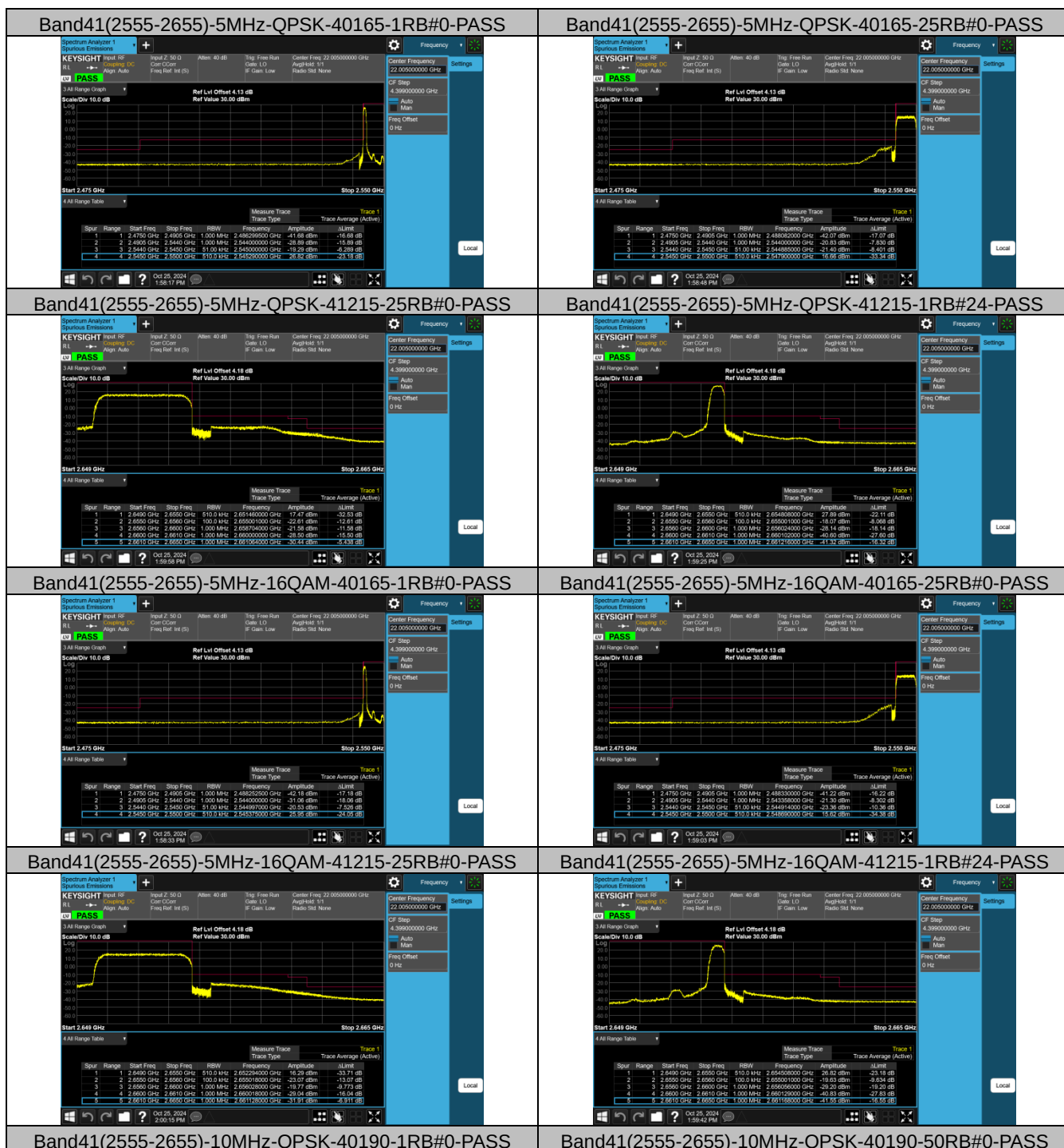


BAND EDGE

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band41(2555-2655)	5MHz	QPSK	40165	1RB#0	-19.29	PASS
Band41(2555-2655)	5MHz	QPSK	40165	25RB#0	-20.83	PASS
Band41(2555-2655)	5MHz	QPSK	41215	25RB#0	-30.44	PASS
Band41(2555-2655)	5MHz	QPSK	41215	1RB#24	-18.07	PASS
Band41(2555-2655)	5MHz	16QAM	40165	1RB#0	-20.53	PASS
Band41(2555-2655)	5MHz	16QAM	40165	25RB#0	-21.30	PASS
Band41(2555-2655)	5MHz	16QAM	41215	25RB#0	-31.91	PASS
Band41(2555-2655)	5MHz	16QAM	41215	1RB#24	-19.63	PASS
Band41(2555-2655)	10MHz	QPSK	40190	1RB#0	-27.36	PASS
Band41(2555-2655)	10MHz	QPSK	40190	50RB#0	-22.49	PASS
Band41(2555-2655)	10MHz	QPSK	41190	50RB#0	-31.87	PASS
Band41(2555-2655)	10MHz	QPSK	41190	1RB#49	-24.18	PASS
Band41(2555-2655)	10MHz	16QAM	40190	1RB#0	-28.59	PASS
Band41(2555-2655)	10MHz	16QAM	40190	50RB#0	-24.17	PASS
Band41(2555-2655)	10MHz	16QAM	41190	50RB#0	-31.57	PASS
Band41(2555-2655)	10MHz	16QAM	41190	1RB#49	-25.21	PASS
Band41(2555-2655)	15MHz	QPSK	40215	1RB#0	-27.07	PASS
Band41(2555-2655)	15MHz	QPSK	40215	75RB#0	-23.16	PASS
Band41(2555-2655)	15MHz	QPSK	41165	75RB#0	-29.84	PASS
Band41(2555-2655)	15MHz	QPSK	41165	1RB#74	-24.67	PASS
Band41(2555-2655)	15MHz	16QAM	40215	1RB#0	-29.55	PASS
Band41(2555-2655)	15MHz	16QAM	40215	75RB#0	-25.21	PASS
Band41(2555-2655)	15MHz	16QAM	41165	75RB#0	-32.10	PASS
Band41(2555-2655)	15MHz	16QAM	41165	1RB#74	-25.60	PASS
Band41(2555-2655)	20MHz	QPSK	40240	1RB#0	-41.78	PASS
Band41(2555-2655)	20MHz	QPSK	40240	100RB#0	-28.30	PASS
Band41(2555-2655)	20MHz	QPSK	41140	100RB#0	-36.68	PASS
Band41(2555-2655)	20MHz	QPSK	41140	1RB#99	-42.10	PASS
Band41(2555-2655)	20MHz	16QAM	40240	1RB#0	-41.47	PASS
Band41(2555-2655)	20MHz	16QAM	40240	100RB#0	-27.77	PASS
Band41(2555-2655)	20MHz	16QAM	41140	100RB#0	-35.97	PASS
Band41(2555-2655)	20MHz	16QAM	41140	1RB#99	-42.06	PASS

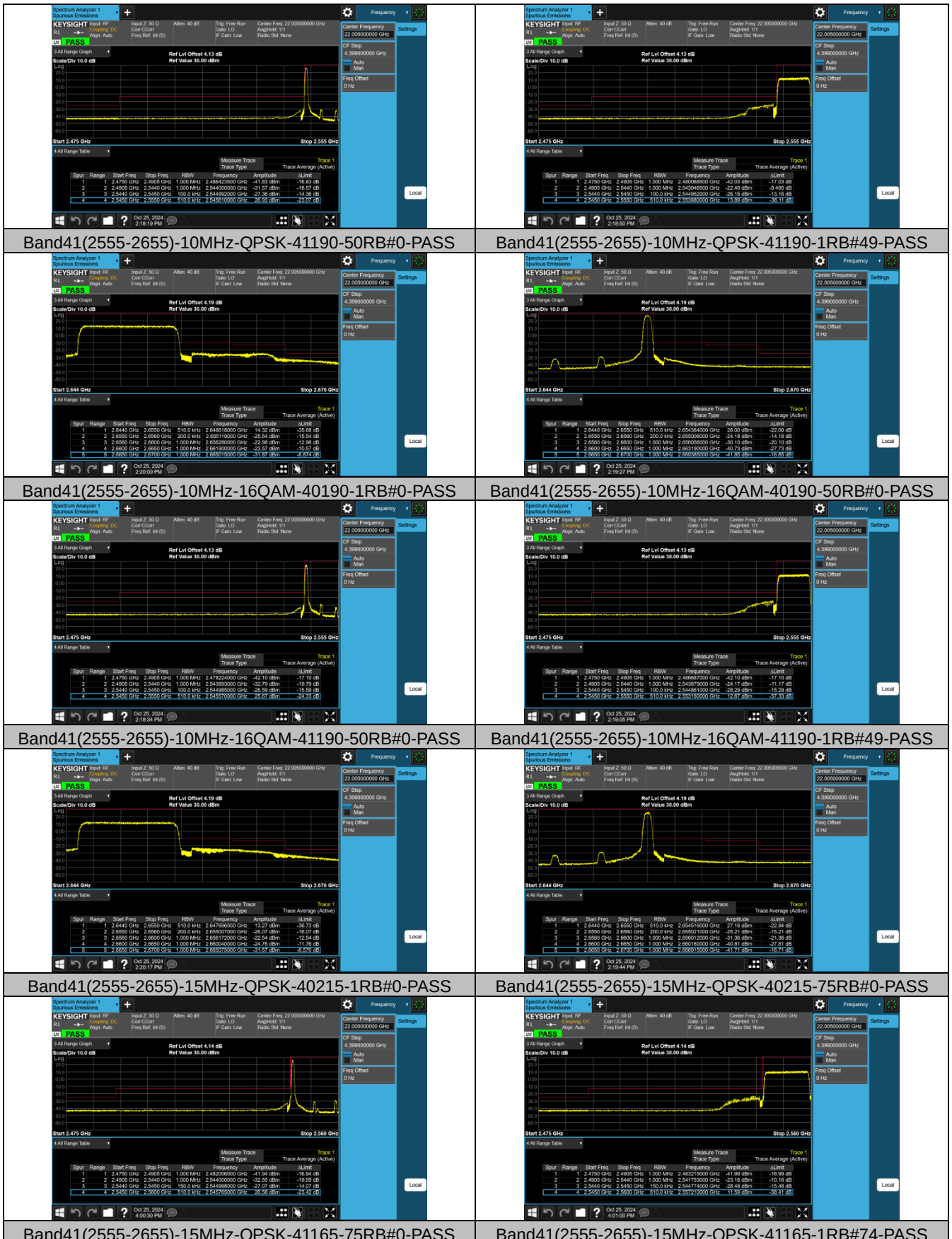
Test Graphs





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