

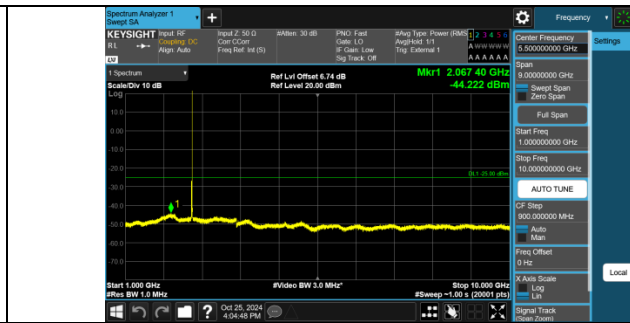


BUREAU
VERITAS

Test Report No.: W7L-P24090006RF06



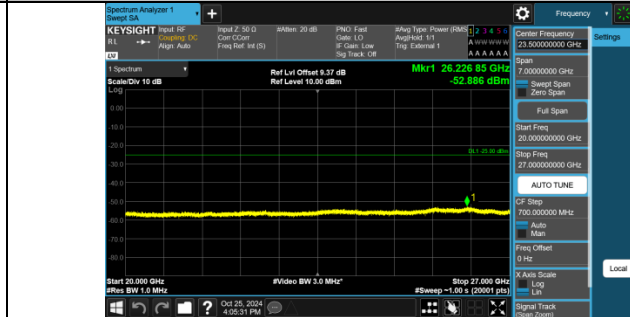
Band41(2555-2655)-15MHz-QPSK-40215-1RB#74-10000~2000
0-PASS



Band41(2555-2655)-15MHz-QPSK-40215-1RB#74-20000~2700
0-PASS



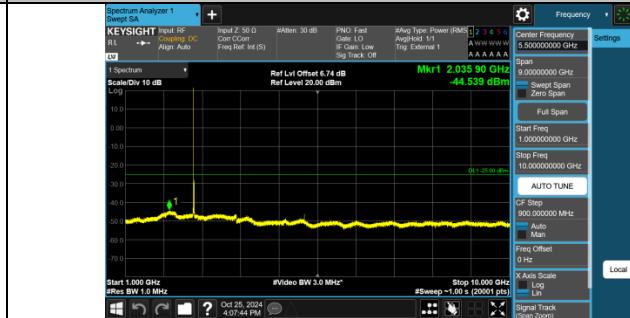
Band41(2555-2655)-15MHz-QPSK-40690-1RB#0-30~1000-PASS
S



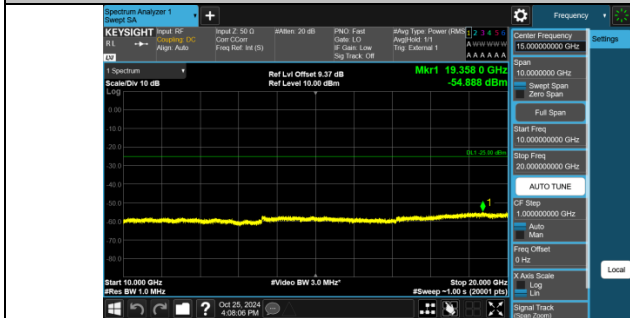
Band41(2555-2655)-15MHz-QPSK-40690-1RB#0-1000~10000-PASS
ASS



Band41(2555-2655)-15MHz-QPSK-40690-1RB#0-10000~20000-PASS



Band41(2555-2655)-15MHz-QPSK-40690-1RB#0-20000~27000-PASS



Band41(2555-2655)-15MHz-QPSK-40690-75RB#0-30~1000-PASS
SS



Band41(2555-2655)-15MHz-QPSK-40690-75RB#0-1000~10000-PASS



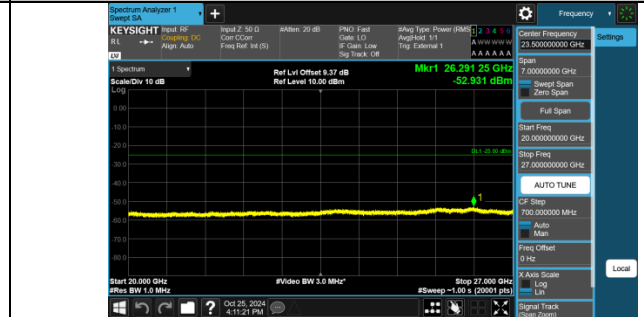
Band41(2555-2655)-15MHz-QPSK-40690-75RB#0-10000~2000
0-PASS



Band41(2555-2655)-15MHz-QPSK-40690-75RB#0-20000~2700
0-PASS



Band41(2555-2655)-15MHz-QPSK-40690-1RB#74-30~1000-PA
SS



Band41(2555-2655)-15MHz-QPSK-40690-1RB#74-1000~10000-
PASS



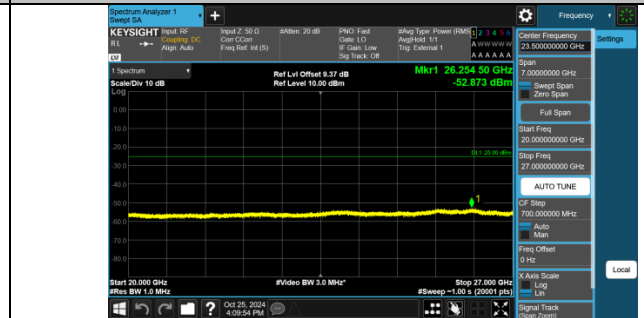
Band41(2555-2655)-15MHz-QPSK-40690-1RB#74-10000~2000
0-PASS



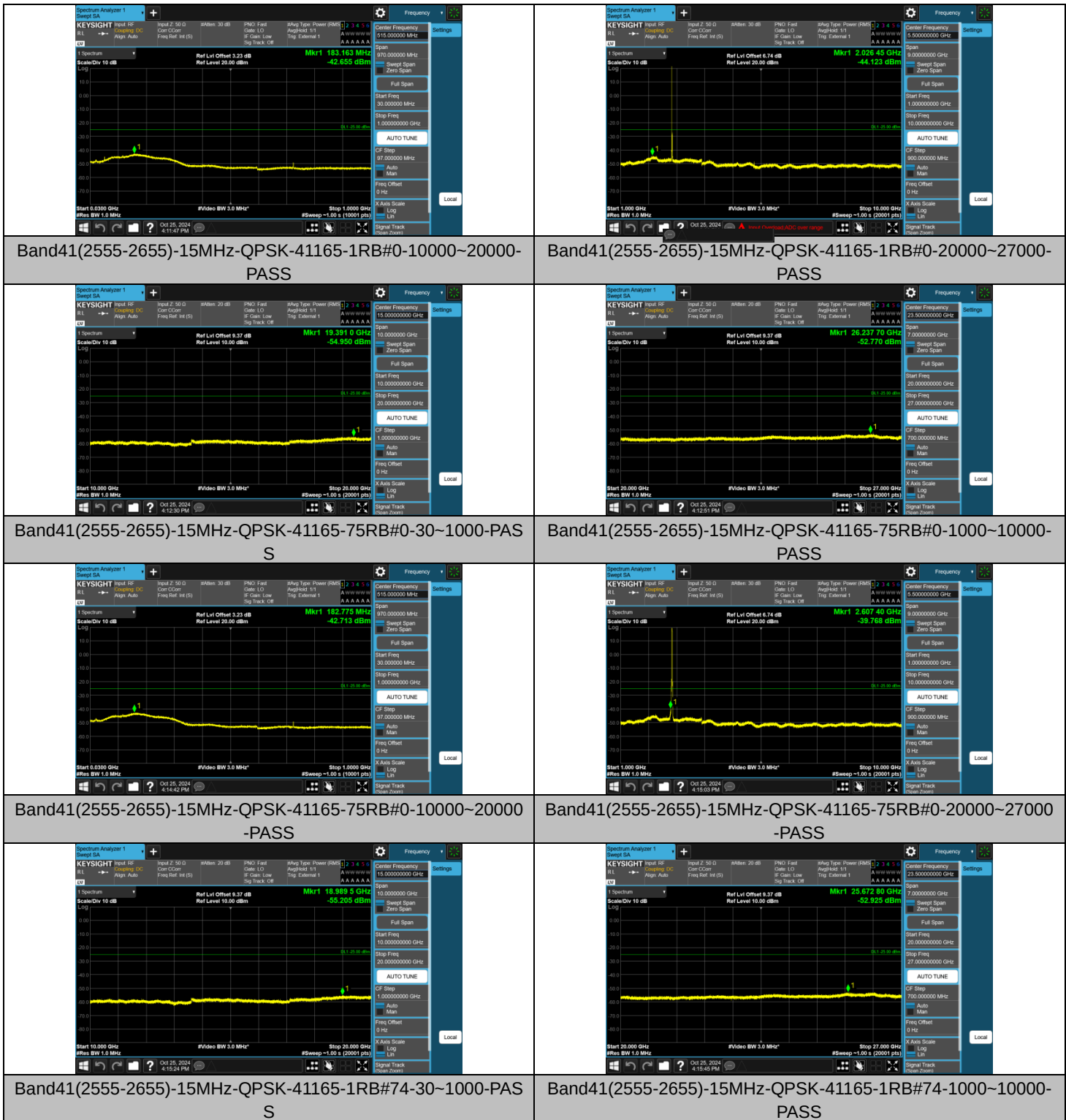
Band41(2555-2655)-15MHz-QPSK-40690-1RB#74-20000~2700
0-PASS



Band41(2555-2655)-15MHz-QPSK-41165-1RB#0-30~1000-PAS
S

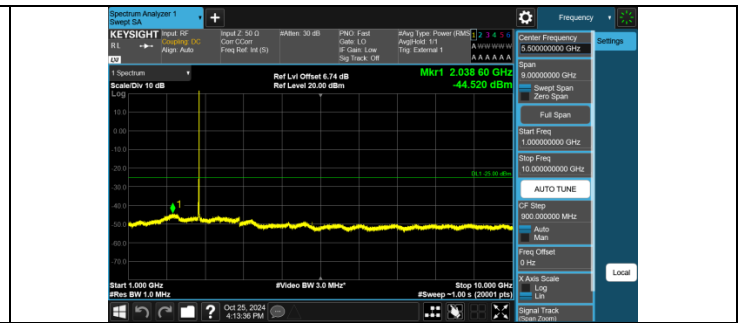


Band41(2555-2655)-15MHz-QPSK-41165-1RB#0-1000~10000-P
ASS





Band41(2555-2655)-15MHz-QPSK-41165-1RB#74-10000~20000
-PASS



Band41(2555-2655)-15MHz-QPSK-41165-1RB#74-20000~27000
-PASS



Band41(2555-2655)-20MHz-QPSK-40240-1RB#0-30~1000-PAS
S



Band41(2555-2655)-20MHz-QPSK-40240-1RB#0-1000~10000-P
ASS



Band41(2555-2655)-20MHz-QPSK-40240-1RB#0-10000~20000-
PASS



Band41(2555-2655)-20MHz-QPSK-40240-1RB#0-20000~27000-
PASS



Band41(2555-2655)-20MHz-QPSK-40240-100RB#0-30~1000-PA
SS



Band41(2555-2655)-20MHz-QPSK-40240-100RB#0-1000~1000
0-PASS



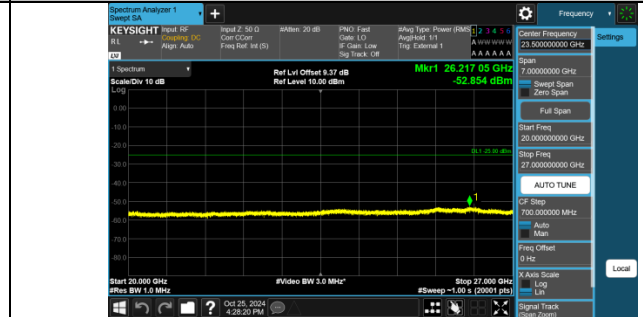
Band41(2555-2655)-20MHz-QPSK-40240-100RB#0-10000~20000-PASS



Band41(2555-2655)-20MHz-QPSK-40240-100RB#0-20000~27000-PASS



Band41(2555-2655)-20MHz-QPSK-40240-1RB#99-30~1000-PASS



Band41(2555-2655)-20MHz-QPSK-40240-1RB#99-1000~10000-PASS



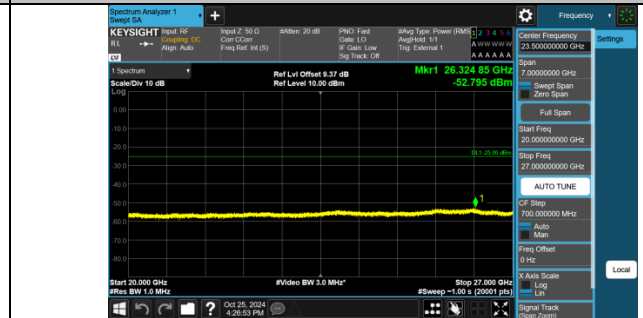
Band41(2555-2655)-20MHz-QPSK-40240-1RB#99-10000~20000-PASS



Band41(2555-2655)-20MHz-QPSK-40240-1RB#99-20000~27000-PASS



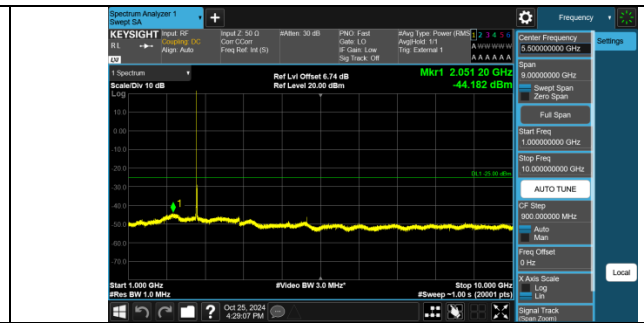
Band41(2555-2655)-20MHz-QPSK-40690-1RB#0-30~1000-PASS



Band41(2555-2655)-20MHz-QPSK-40690-1RB#0-1000~10000-PASS



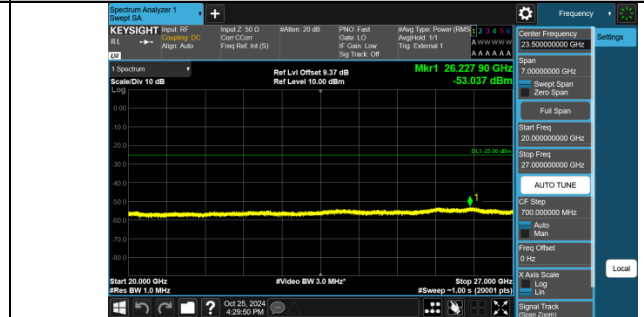
Band41(2555-2655)-20MHz-QPSK-40690-1RB#0-10000~20000-PASS



Band41(2555-2655)-20MHz-QPSK-40690-1RB#0-20000~27000-PASS



Band41(2555-2655)-20MHz-QPSK-40690-100RB#0-30~1000-PA SS



Band41(2555-2655)-20MHz-QPSK-40690-100RB#0-1000~1000-PASS



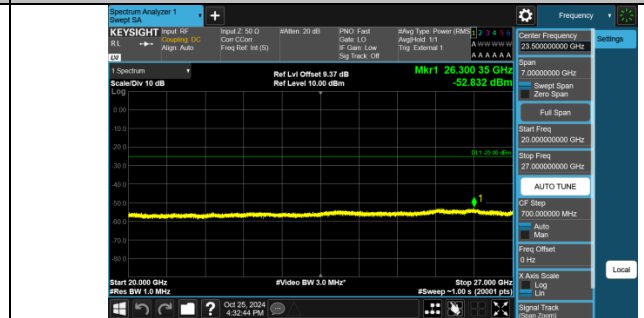
Band41(2555-2655)-20MHz-QPSK-40690-100RB#0-10000~20000-PASS



Band41(2555-2655)-20MHz-QPSK-40690-100RB#0-20000~27000-PASS



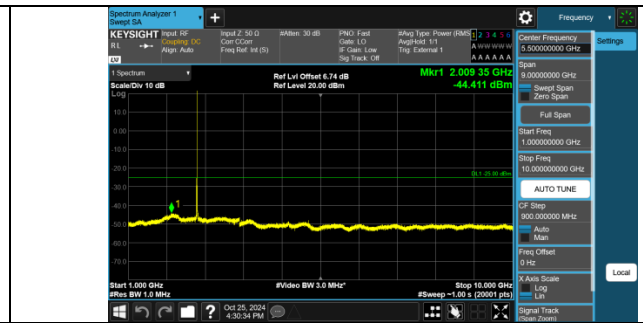
Band41(2555-2655)-20MHz-QPSK-40690-1RB#99-30~1000-PA SS



Band41(2555-2655)-20MHz-QPSK-40690-1RB#99-1000~10000-PASS



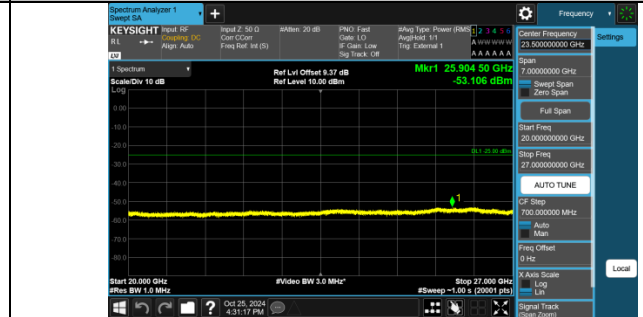
Band41(2555-2655)-20MHz-QPSK-40690-1RB#99-10000~2000
0-PASS



Band41(2555-2655)-20MHz-QPSK-40690-1RB#99-20000~2700
0-PASS



Band41(2555-2655)-20MHz-QPSK-41140-1RB#0-30~1000-PASS
S



Band41(2555-2655)-20MHz-QPSK-41140-1RB#0-1000~10000-PASS
ASS



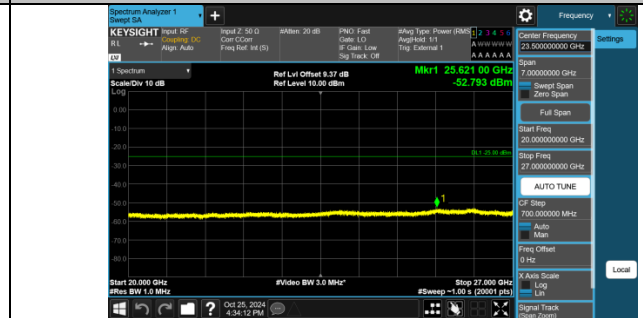
Band41(2555-2655)-20MHz-QPSK-41140-1RB#0-10000~20000-PASS



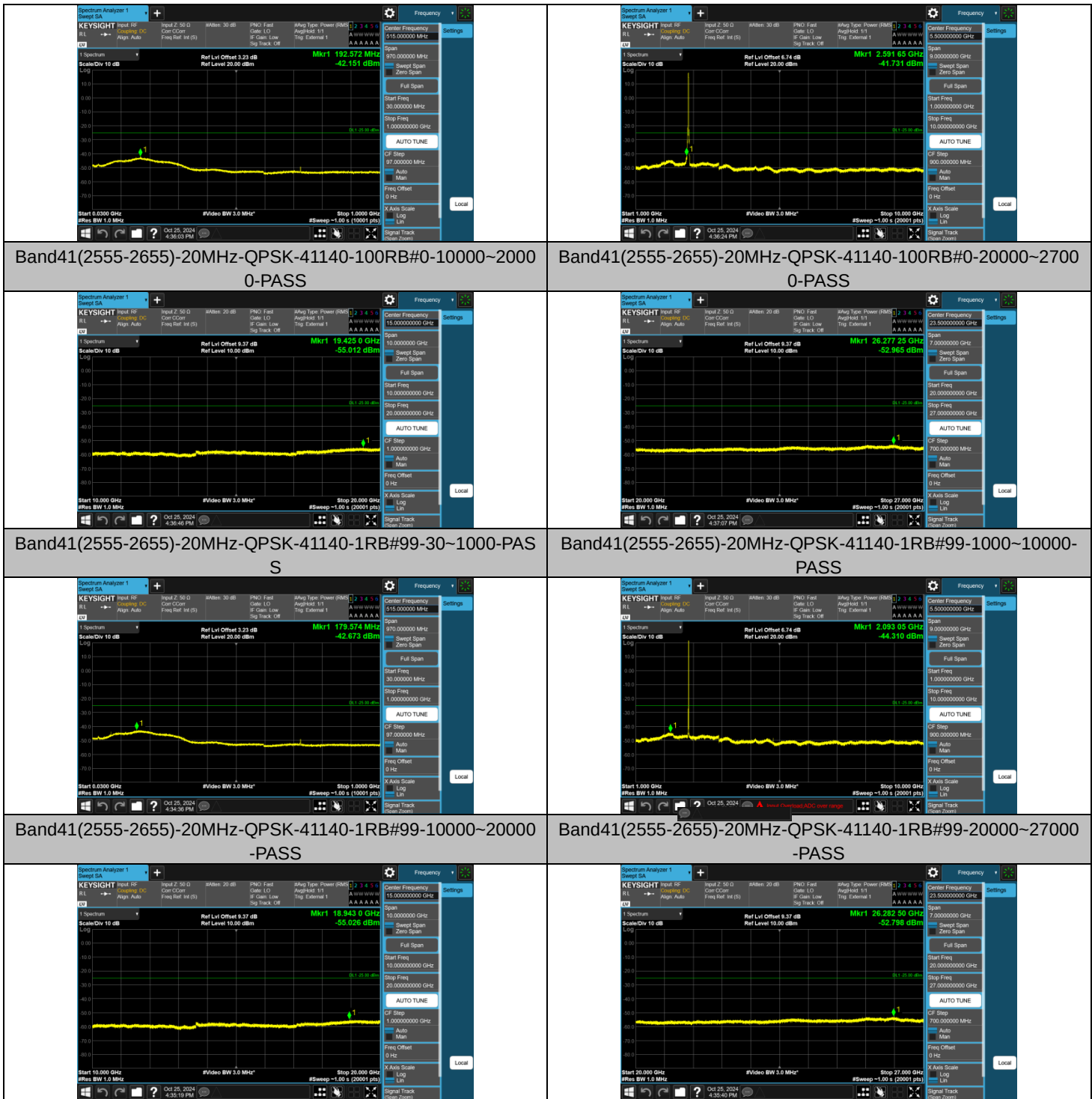
Band41(2555-2655)-20MHz-QPSK-41140-1RB#0-20000~27000-PASS



Band41(2555-2655)-20MHz-QPSK-41140-100RB#0-30~1000-PASS
SS



Band41(2555-2655)-20MHz-QPSK-41140-100RB#0-1000~10000-PASS



FREQUENCY STABILITY

Test Result

Voltage												
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band41 (2545-2655)	10MHz	QPSK	40190	50RB#0	VN	NT	-1063.02	-0.416870	2545.02018	---	2545-2655	PASS
Band41 (2545-2655)	10MHz	QPSK	40190	50RB#0	VL	NT	4120.00	1.615686	2545.52807	---	2545-2655	PASS
Band41 (2545-2655)	10MHz	QPSK	40190	50RB#0	VH	NT	4070.00	1.596078	2545.52827	---	2545-2655	PASS
Band41 (2545-2655)	10MHz	QPSK	41190	50RB#0	VN	NT	-1020.00	-0.384906	---	2654.46428	2545-2655	PASS
Band41 (2545-2655)	10MHz	QPSK	41190	50RB#0	VL	NT	440.00	0.166038	---	2654.47204	2545-2655	PASS
Band41 (2545-2655)	10MHz	QPSK	41190	50RB#0	VH	NT	1240.00	0.467925	---	2654.47239	2545-2655	PASS

Temperature												
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band41 (2545-2655)	10MHz	QPSK	40190	50RB#0	NV	-30	4140.00	1.623529	2545.52814	---	2545-2655	PASS
Band41 (2545-2655)	10MHz	QPSK	40190	50RB#0	NV	-20	1256.43	0.492717	2545.04271	---	2545-2655	PASS



**BUREAU
VERITAS**

Test Report No.: W7L-P24090006RF06

Band41 (2545-2 655)	10MHz	QPSK	40190	50RB#0	NV	-10	-1392.27	-0.5 459 89	2545.0 3658	---	2545- 2655	PASS
Band41 (2545-2 655)	10MHz	QPSK	40190	50RB#0	NV	0	-1533.76	-0.6 014 76	2545.0 2735	---	2545- 2655	PASS
Band41 (2545-2 655)	10MHz	QPSK	40190	50RB#0	NV	10	1387.58	0.54 414 9	2545.0 3523	---	2545- 2655	PASS
Band41 (2545-2 655)	10MHz	QPSK	40190	50RB#0	NV	20	-1389.55	-0.5 449 21	2545.0 0547	---	2545- 2655	PASS
Band41 (2545-2 655)	10MHz	QPSK	40190	50RB#0	NV	30	1303.84	0.51 131 1	2545.0 4389	---	2545- 2655	PASS
Band41 (2545-2 655)	10MHz	QPSK	40190	50RB#0	NV	40	1235.26	0.48 441 7	2545.0 2443	---	2545- 2655	PASS
Band41 (2545-2 655)	10MHz	QPSK	40190	50RB#0	NV	50	-1346.10	-0.5 278 84	2545.0 4002	---	2545- 2655	PASS
Band41 (2545-2 655)	10MHz	QPSK	41190	50RB#0	NV	-30	-5220.00	-1.9 698 11	---	2654.4 6523	2545- 2655	PASS
Band41 (2545-2 655)	10MHz	QPSK	41190	50RB#0	NV	-20	-5470.00	-2.0 641 51	---	2654.4 6768	2545- 2655	PASS
Band41 (2545-2 655)	10MHz	QPSK	41190	50RB#0	NV	-10	-5100.00	-1.9 245 28	---	2654.4 6785	2545- 2655	PASS
Band41 (2545-2 655)	10MHz	QPSK	41190	50RB#0	NV	0	-900.00	-0.3 396 23	---	2654.4 7435	2545- 2655	PASS
Band41 (2545-2 655)	10MHz	QPSK	41190	50RB#0	NV	10	1050.00	0.39 622 6	---	2654.4 726	2545- 2655	PASS
Band41 (2545-2 655)	10MHz	QPSK	41190	50RB#0	NV	20	530.00	0.20 000 0	---	2654.4 7173	2545- 2655	PASS
Band41 (2545-2 655)	10MHz	QPSK	41190	50RB#0	NV	30	520.00	0.19 622 6	---	2654.4 7187	2545- 2655	PASS
Band41 (2545-2 655)	10MHz	QPSK	41190	50RB#0	NV	40	850.00	0.32 075 5	---	2654.4 7205	2545- 2655	PASS
Band41 (2545-2 655)	10MHz	QPSK	41190	50RB#0	NV	50	1710.00	0.64 528 3	---	2654.4 7271	2545- 2655	PASS

LTE BAND 41C

26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
41-41	20MHz-5MHz	QPSK-QPSK	40240-40357	100RB#0-25RB#0	22.899	24.38	PASS
41-41	20MHz-5MHz	QPSK-QPSK	40665-40782	100RB#0-25RB#0	22.972	24.41	PASS
41-41	20MHz-5MHz	QPSK-QPSK	41090-41207	100RB#0-25RB#0	22.962	24.41	PASS
41-41	20MHz-5MHz	16QAM-16QAM	40240-40357	100RB#0-25RB#0	22.925	24.36	PASS
41-41	20MHz-5MHz	16QAM-16QAM	40665-40782	100RB#0-25RB#0	22.992	24.27	PASS
41-41	20MHz-5MHz	16QAM-16QAM	41090-41207	100RB#0-25RB#0	22.938	24.29	PASS
41-41	15MHz-10MHz	QPSK-QPSK	40215-40335	75RB#0-50RB#0	23.171	24.75	PASS
41-41	15MHz-10MHz	QPSK-QPSK	40641-40761	75RB#0-50RB#0	23.229	24.81	PASS
41-41	15MHz-10MHz	QPSK-QPSK	41067-41187	75RB#0-50RB#0	23.238	24.90	PASS
41-41	15MHz-10MHz	16QAM-16QAM	40215-40335	75RB#0-50RB#0	23.189	24.77	PASS
41-41	15MHz-10MHz	16QAM-16QAM	40641-40761	75RB#0-50RB#0	23.219	24.78	PASS
41-41	15MHz-10MHz	16QAM-16QAM	41067-41187	75RB#0-50RB#0	23.201	24.86	PASS
41-41	20MHz-10MHz	QPSK-QPSK	40240-40384	100RB#0-50RB#0	27.813	29.62	PASS
41-41	20MHz-10MHz	QPSK-QPSK	40640-40784	100RB#0-50RB#0	27.868	29.62	PASS
41-41	20MHz-10MHz	QPSK-QPSK	41041-41185	100RB#0-50RB#0	27.862	29.67	PASS
41-41	20MHz-10MHz	16QAM-16QAM	40240-40384	100RB#0-50RB#0	27.790	29.76	PASS
41-41	20MHz-10MHz	16QAM-16QAM	40640-40784	100RB#0-50RB#0	27.830	29.66	PASS
41-41	20MHz-10MHz	16QAM-16QAM	41041-41185	100RB#0-50RB#0	27.861	29.64	PASS
41-41	10MHz-15MHz	QPSK-QPSK	40193-40313	50RB#0-75RB#0	23.184	24.77	PASS
41-41	10MHz-15MHz	QPSK-QPSK	40619-40739	50RB#0-75RB#0	23.183	24.81	PASS
41-41	10MHz-15MHz	QPSK-QPSK	41045-41165	50RB#0-75RB#0	23.201	24.84	PASS
41-41	10MHz-15MHz	16QAM-16QAM	40193-40313	50RB#0-75RB#0	23.170	24.82	PASS
41-41	10MHz-15MHz	16QAM-16QAM	40619-40739	50RB#0-75RB#0	23.214	24.84	PASS
41-41	10MHz-15MHz	16QAM-16QAM	41045-41165	50RB#0-75RB#0	23.214	24.83	PASS
41-41	15MHz-15MHz	QPSK-QPSK	40215-40365	75RB#0-75RB#0	28.395	30.38	PASS
41-41	15MHz-15MHz	QPSK-QPSK	40615-40765	75RB#0-75RB#0	28.438	30.43	PASS
41-41	15MHz-15MHz	QPSK-QPSK	41015-41165	75RB#0-75RB#0	28.437	30.39	PASS
41-41	15MHz-15MHz	16QAM-16QAM	40215-40365	75RB#0-75RB#0	28.414	30.40	PASS
41-41	15MHz-15MHz	16QAM-16QAM	40615-40765	75RB#0-75RB#0	28.424	30.42	PASS
41-41	15MHz-15MHz	16QAM-16QAM	41015-41165	75RB#0-75RB#0	28.376	30.28	PASS
41-41	20MHz-15MHz	QPSK-QPSK	40240-40411	100RB#0-75RB#0	32.713	34.92	PASS
41-41	20MHz-15MHz	QPSK-QPSK	40615-40786	100RB#0-75RB#0	32.733	34.87	PASS
41-41	20MHz-15MHz	QPSK-QPSK	40991-41162	100RB#0-75RB#0	32.729	35.00	PASS
41-41	20MHz-15MHz	16QAM-16QAM	40240-40411	100RB#0-75RB#0	32.745	34.82	PASS
41-41	20MHz-15MHz	16QAM-16QAM	40615-40786	100RB#0-75RB#0	32.744	34.73	PASS
41-41	20MHz-15MHz	16QAM-16QAM	40991-41162	100RB#0-75RB#0	32.716	34.83	PASS
41-41	5MHz-20MHz	QPSK-QPSK	40173-40290	25RB#0-100RB#0	22.984	24.44	PASS
41-41	5MHz-20MHz	QPSK-QPSK	40598-40715	25RB#0-100RB#0	22.971	24.43	PASS
41-41	5MHz-20MHz	QPSK-QPSK	41023-41140	25RB#0-100RB#0	22.972	24.47	PASS
41-41	5MHz-20MHz	16QAM-16QAM	40173-40290	25RB#0-100RB#0	22.930	24.37	PASS
41-41	5MHz-20MHz	16QAM-16QAM	40598-40715	25RB#0-100RB#0	22.944	24.24	PASS
41-41	5MHz-20MHz	16QAM-16QAM	41023-41140	25RB#0-100RB#0	22.903	24.38	PASS
41-41	10MHz-20MHz	QPSK-QPSK	40195-40339	50RB#0-100RB#0	27.858	29.57	PASS

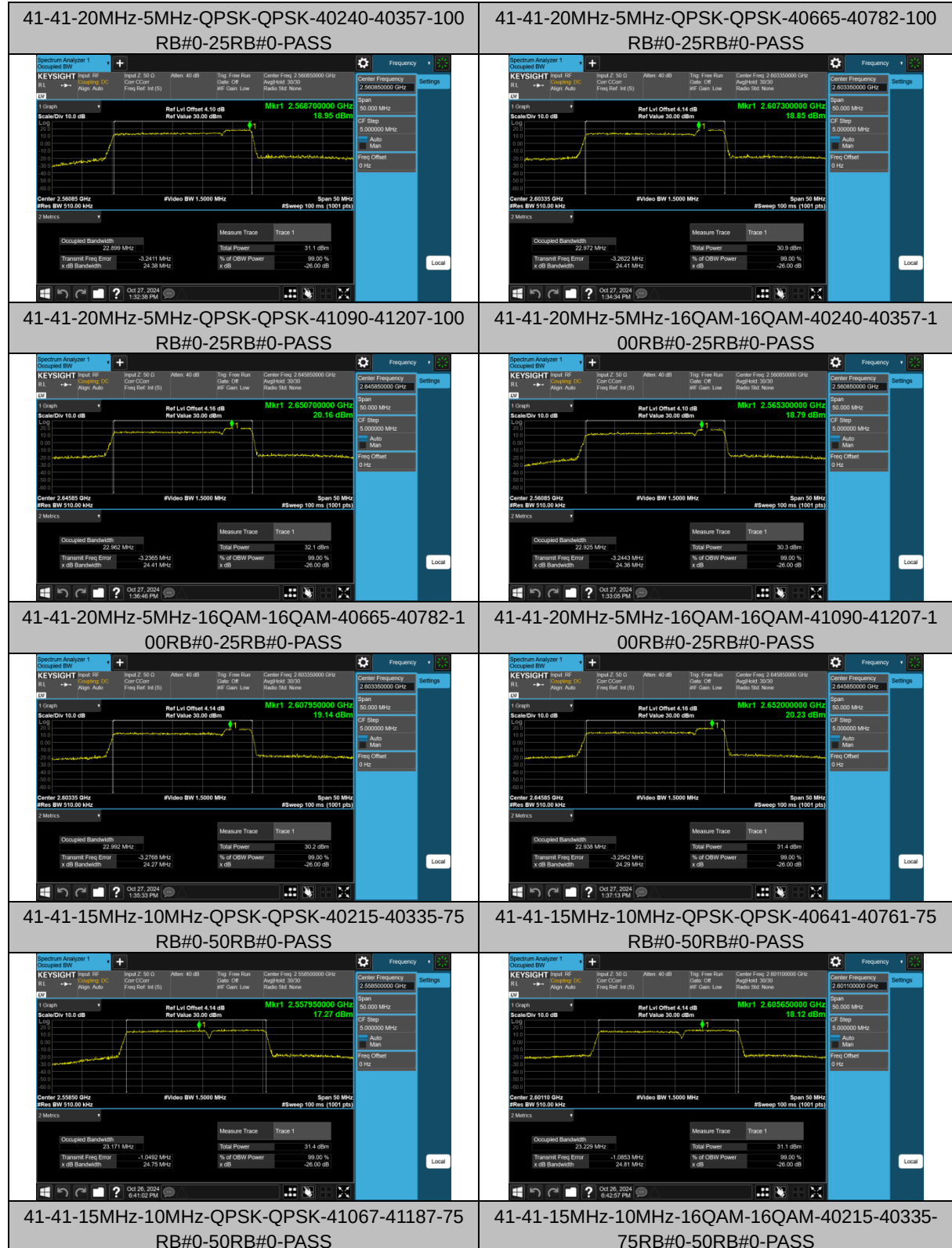


BUREAU
VERITAS

Test Report No.: W7L-P24090006RF06

41-41	10MHz-20MHz	QPSK-QPSK	40595-40739	50RB#0-100RB#0	27.877	29.71	PASS
41-41	10MHz-20MHz	QPSK-QPSK	40996-41140	50RB#0-100RB#0	27.819	29.70	PASS
41-41	10MHz-20MHz	QPSK-QPSK	41125.6-41140	50RB#0-100RB#0	52.614	23.53	PASS
41-41	10MHz-20MHz	16QAM-16QAM	40195-40339	50RB#0-100RB#0	27.814	29.56	PASS
41-41	10MHz-20MHz	16QAM-16QAM	40595-40739	50RB#0-100RB#0	27.853	29.64	PASS
41-41	10MHz-20MHz	16QAM-16QAM	40996-41140	50RB#0-100RB#0	27.796	29.70	PASS
41-41	10MHz-20MHz	16QAM-16QAM	41125.6-41140	50RB#0-100RB#0	54.225	19.51	PASS
41-41	15MHz-20MHz	QPSK-QPSK	40218-40389	75RB#0-100RB#0	32.700	34.93	PASS
41-41	15MHz-20MHz	QPSK-QPSK	40593-40764	75RB#0-100RB#0	32.769	34.93	PASS
41-41	15MHz-20MHz	QPSK-QPSK	40969-41140	75RB#0-100RB#0	31.975	34.57	PASS
41-41	15MHz-20MHz	16QAM-16QAM	40218-40389	75RB#0-100RB#0	32.726	34.81	PASS
41-41	15MHz-20MHz	16QAM-16QAM	40593-40764	75RB#0-100RB#0	32.715	34.85	PASS
41-41	15MHz-20MHz	16QAM-16QAM	40969-41140	75RB#0-100RB#0	32.230	34.57	PASS
41-41	20MHz-20MHz	QPSK-QPSK	40240-40438	100RB#0-100RB#0	37.588	40.03	PASS
41-41	20MHz-20MHz	QPSK-QPSK	40591-40789	100RB#0-100RB#0	37.663	40.27	PASS
41-41	20MHz-20MHz	QPSK-QPSK	40942-41140	100RB#0-100RB#0	36.463	39.66	PASS
41-41	20MHz-20MHz	16QAM-16QAM	40240-40438	100RB#0-100RB#0	37.604	40.14	PASS
41-41	20MHz-20MHz	16QAM-16QAM	40591-40789	100RB#0-100RB#0	37.674	40.20	PASS
41-41	20MHz-20MHz	16QAM-16QAM	40942-41140	100RB#0-100RB#0	36.716	39.59	PASS

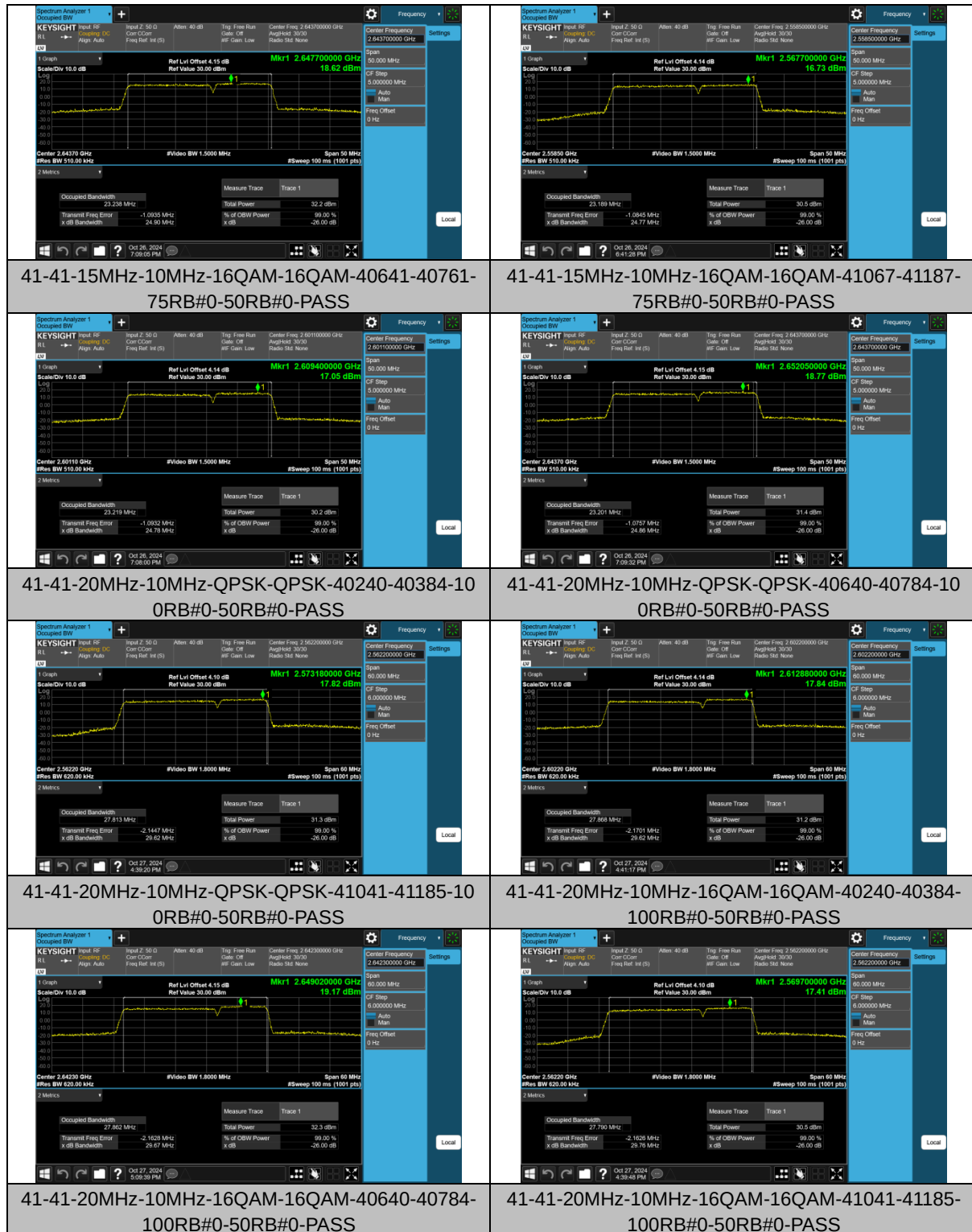
Test Graphs





BUREAU
VERITAS

Test Report No.: W7L-P24090006RF06





BUREAU
VERITAS

Test Report No.: W7L-P24090006RF06

