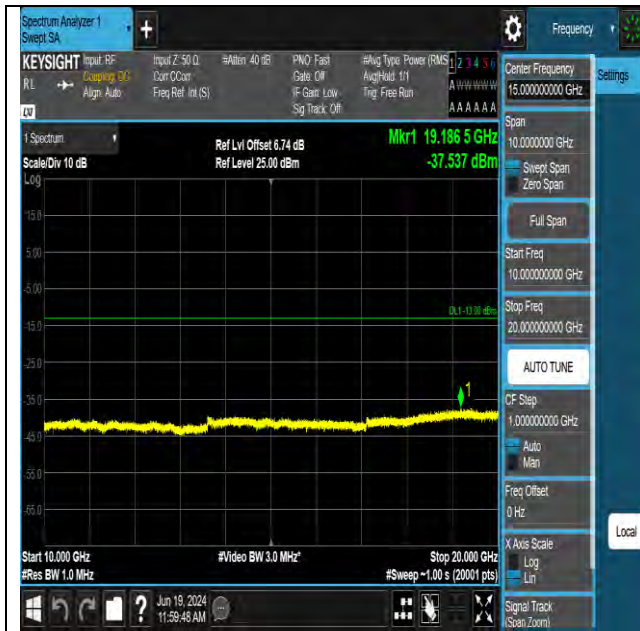




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Test Report No.: W7L-P24100002RF07



Band4-1513-10000~20000MHz-PASS

FREQUENCY STABILITY

Test Result

Voltage									
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band4	1312	VN	NT	1350.00	0.788367	1710.3238	---	1710-1910	PASS
Band4	1312	VL	NT	-670.00	-0.391264	1710.31763	---	1710-1910	PASS
Band4	1312	VH	NT	6980.00	4.076150	1710.32363	---	1710-1910	PASS
Band4	1513	VN	NT	-3120.00	-1.780212	---	1754.67603	1710-1910	PASS
Band4	1513	VL	NT	-3240.00	-1.848682	---	1754.67841	1710-1910	PASS
Band4	1513	VH	NT	-1350.00	-0.770284	---	1754.68095	1710-1910	PASS

Temperature									
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band4	1312	NV	-30	-840.00	-0.490540	1710.32081	---	1710-1910	PASS
Band4	1312	NV	-20	3480.00	2.032235	1710.32373	---	1710-1910	PASS
Band4	1312	NV	-10	2290.00	1.337304	1710.31959	---	1710-1910	PASS
Band4	1312	NV	0	4960.00	2.896520	1710.31866	---	1710-1910	PASS
Band4	1312	NV	10	1730.00	1.010278	1710.32293	---	1710-1910	PASS
Band4	1312	NV	20	1120.00	0.654053	1710.32187	---	1710-1910	PASS
Band4	1312	NV	30	4640.00	2.709647	1710.32299	---	1710-1910	PASS
Band4	1312	NV	40	4960.00	2.896520	1710.32591	---	1710-1910	PASS
Band4	1312	NV	50	2880.00	1.681850	1710.31863	---	1710-1910	PASS
Band4	1513	NV	-30	-4800.00	-2.738788	---	1754.6732	1710-1910	PASS
Band4	1513	NV	-20	-2050.00	-1.169691	---	1754.68035	1710-1910	PASS
Band4	1513	NV	-10	300.00	0.171174	---	1754.6873	1710-1910	PASS
Band4	1513	NV	0	-2510.00	-1.432158	---	1754.67784	1710-1910	PASS



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Band4	1513	NV	10	-2660.0 0	-1.5177 45	---	1754.6 8189	1710-1 910	PASS
Band4	1513	NV	20	-2640.0 0	-1.5063 33	---	1754.6 7776	1710-1 910	PASS
Band4	1513	NV	30	-2880.0 0	-1.6432 73	---	1754.6 8057	1710-1 910	PASS
Band4	1513	NV	40	910.00	0.5192 29	---	1754.6 8746	1710-1 910	PASS
Band4	1513	NV	50	960.00	0.5477 58	---	1754.6 8646	1710-1 910	PASS



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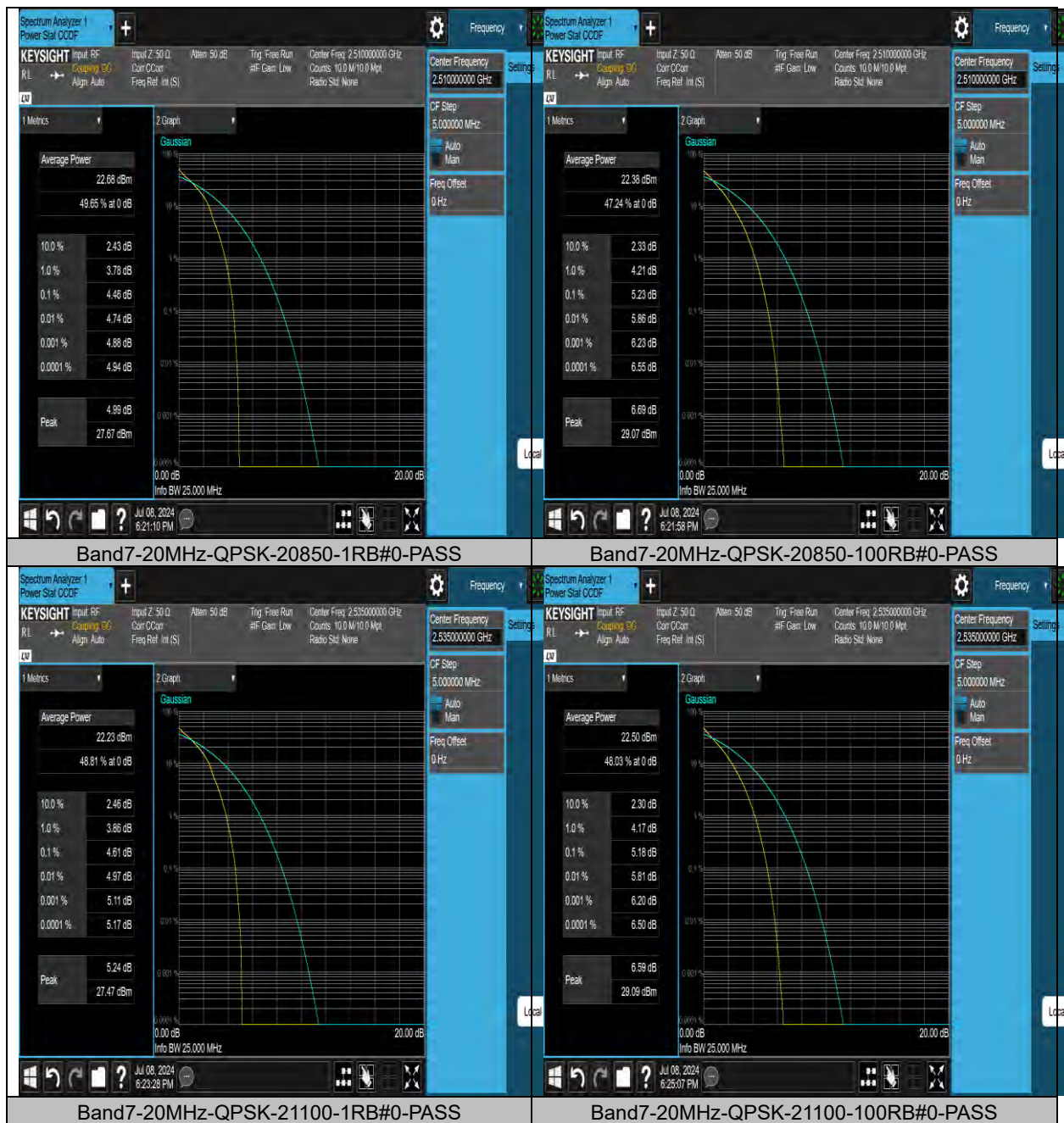
LTE BAND7

PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	20MHz	QPSK	20850	1RB#0	4.46	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	5.23	13	PASS
Band7	20MHz	QPSK	21100	1RB#0	4.61	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.18	13	PASS
Band7	20MHz	QPSK	21350	1RB#0	4.60	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.18	13	PASS

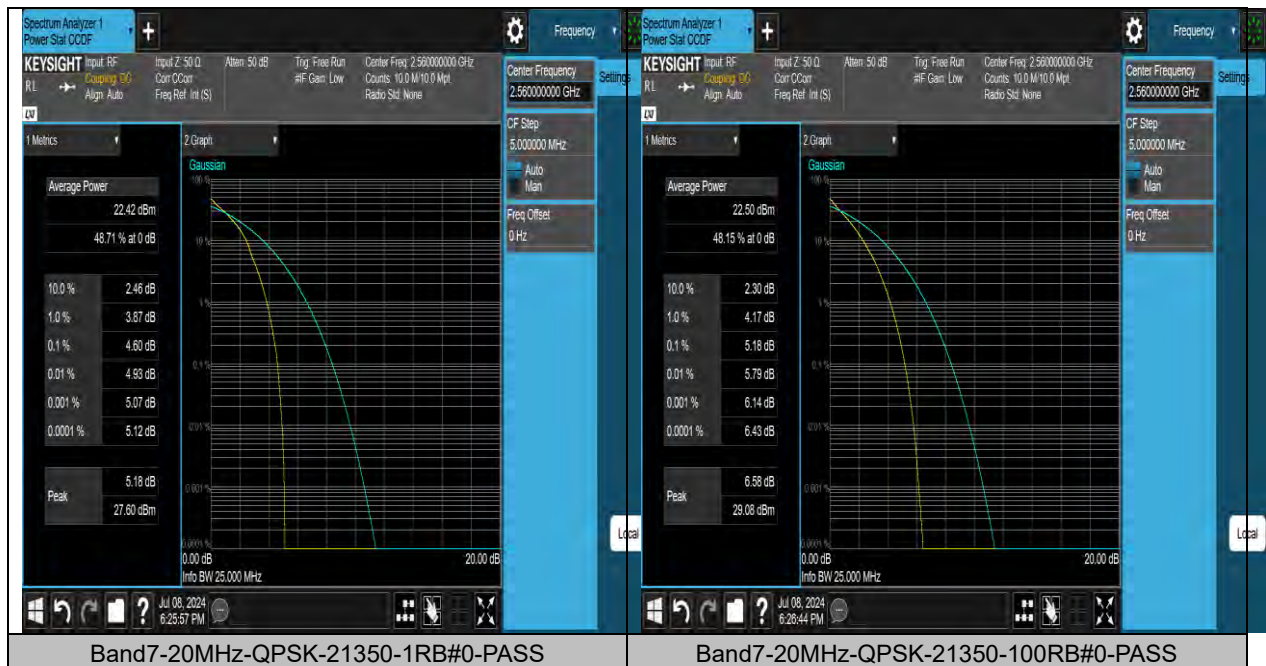
Test Graphs





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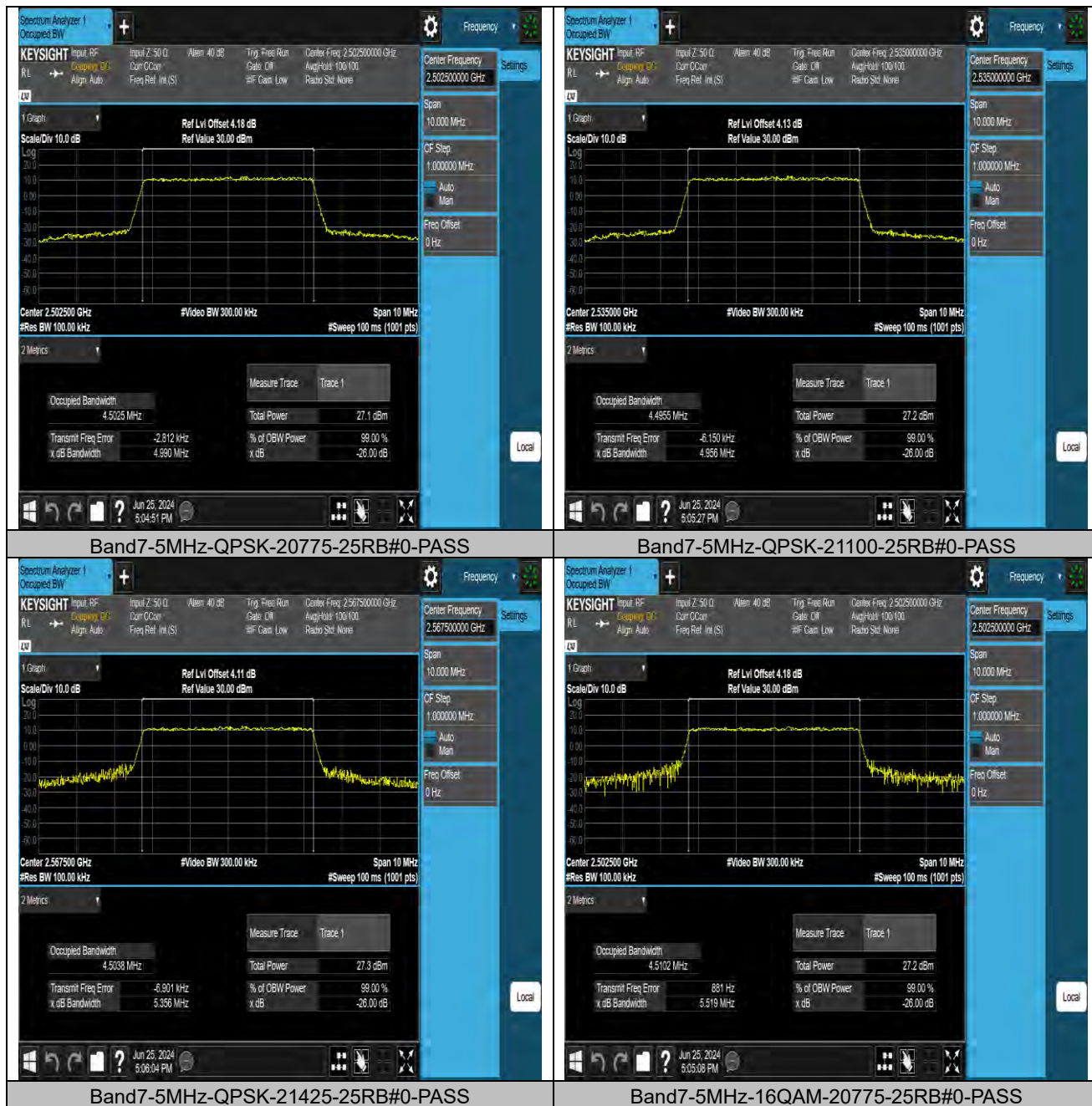


26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.5025	4.990	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.4955	4.956	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.5038	5.356	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.5102	5.519	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.4997	4.966	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.4983	4.950	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.9847	9.795	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.9721	9.789	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.9866	9.767	PASS
Band7	10MHz	16QAM	20800	50RB#0	9.0040	9.734	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.9901	9.792	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.9792	9.788	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.472	14.69	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.453	14.69	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.467	14.71	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.459	14.62	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.469	14.64	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.439	14.65	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.945	19.46	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.992	19.40	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.971	19.36	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.939	19.95	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.917	19.37	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.916	19.39	PASS

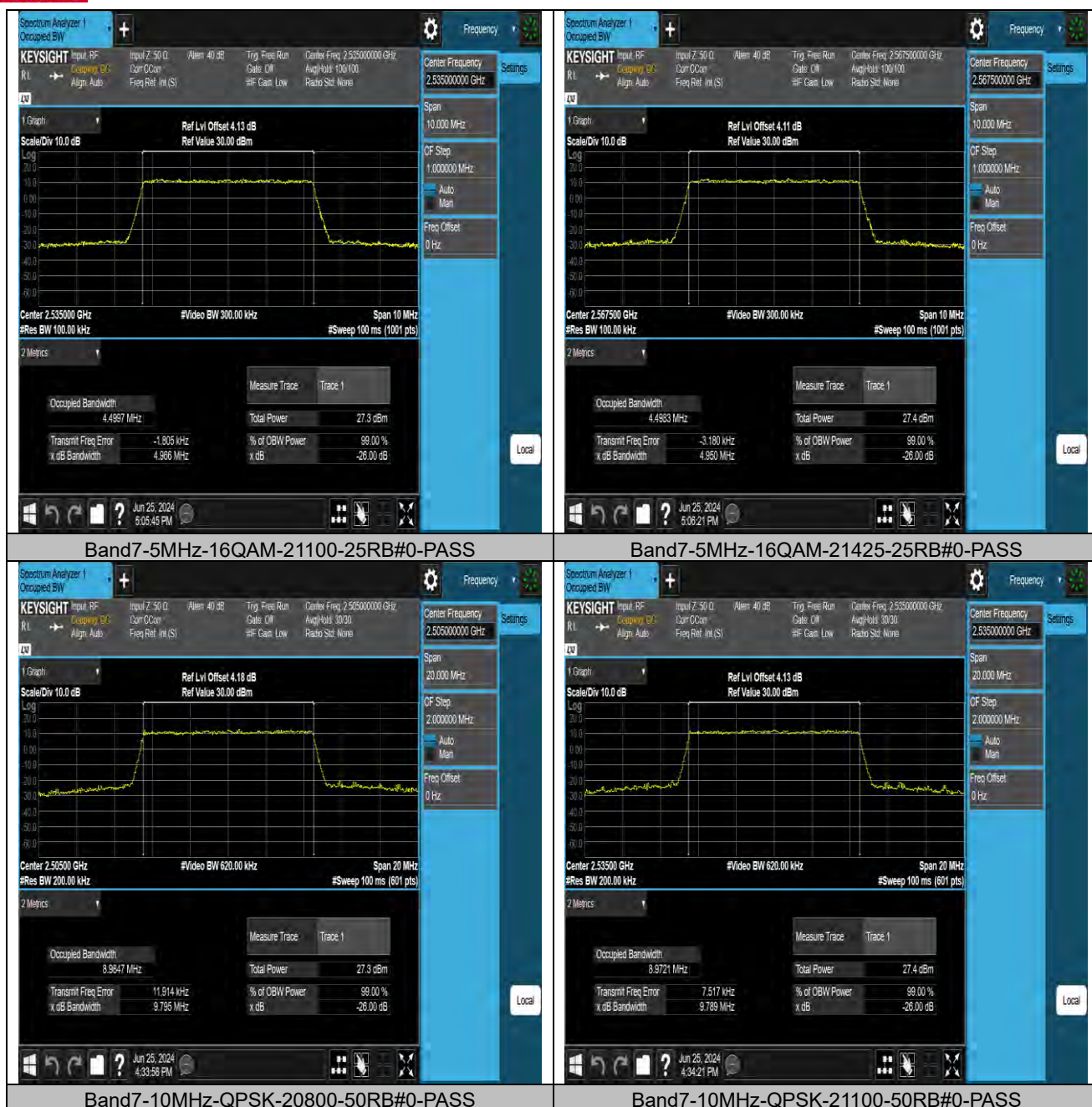
Test Graphs





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Test Report No.: W7L-P24100002RF07





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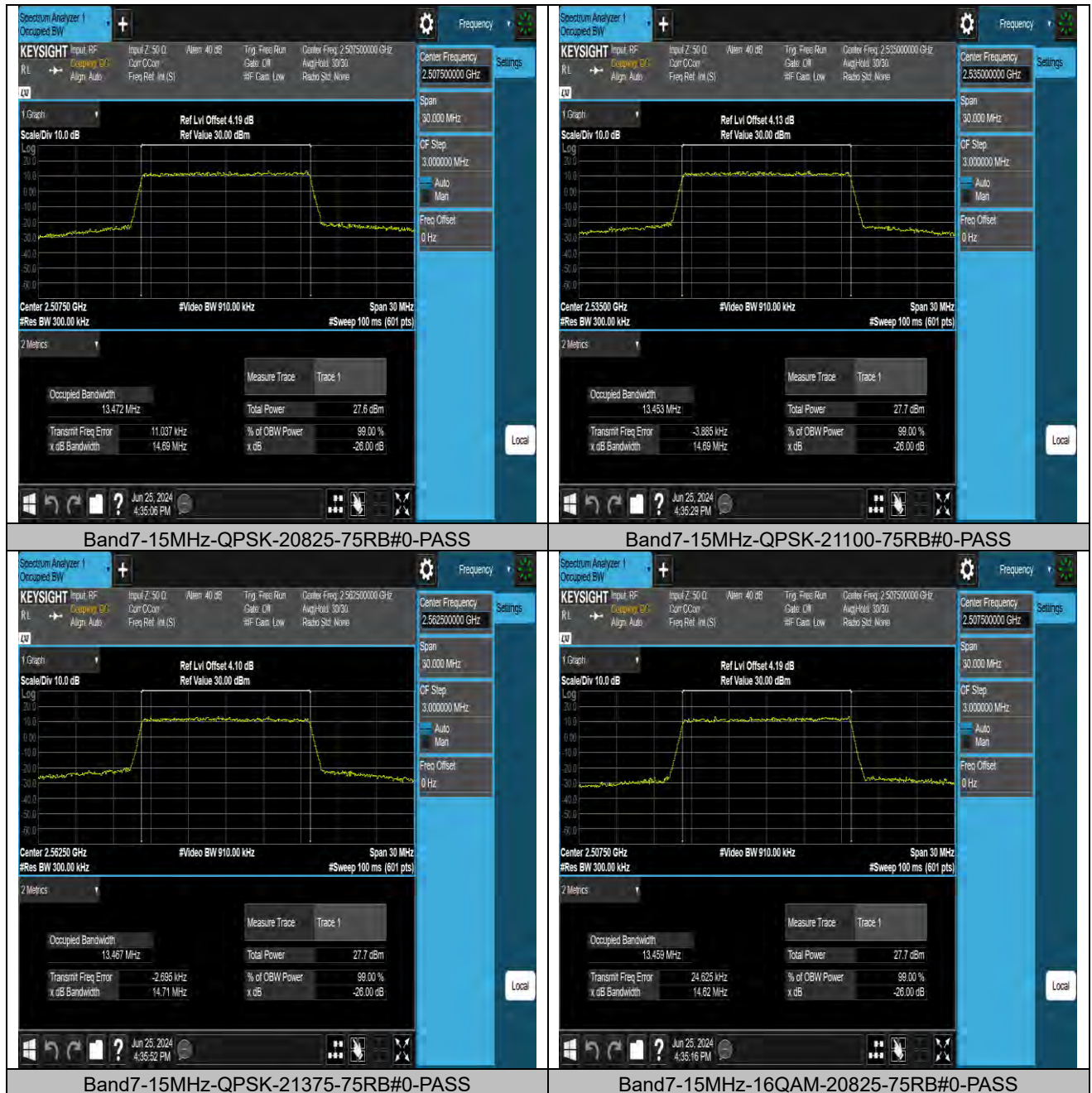
Test Report No.: W7L-P24100002RF07





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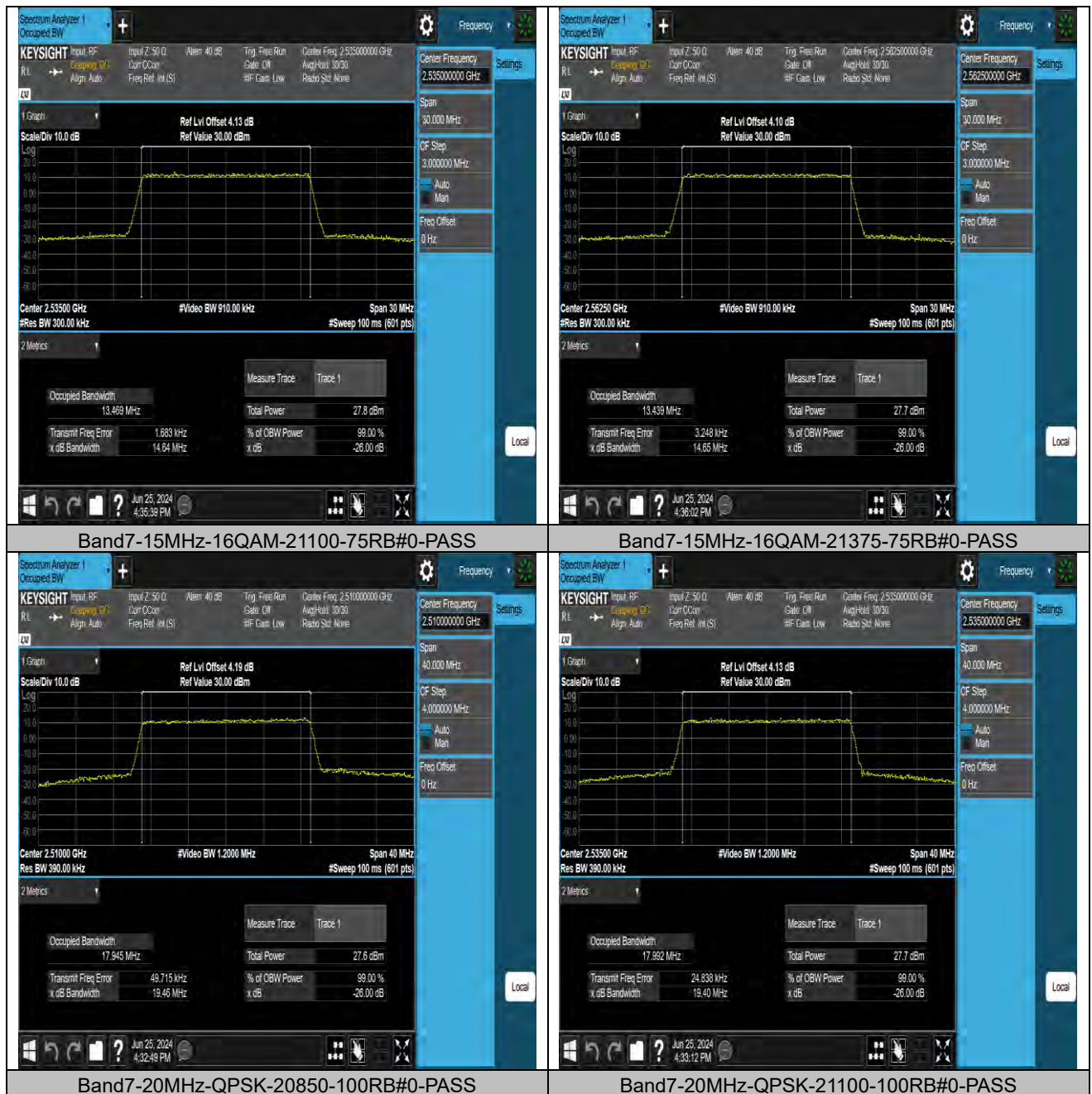
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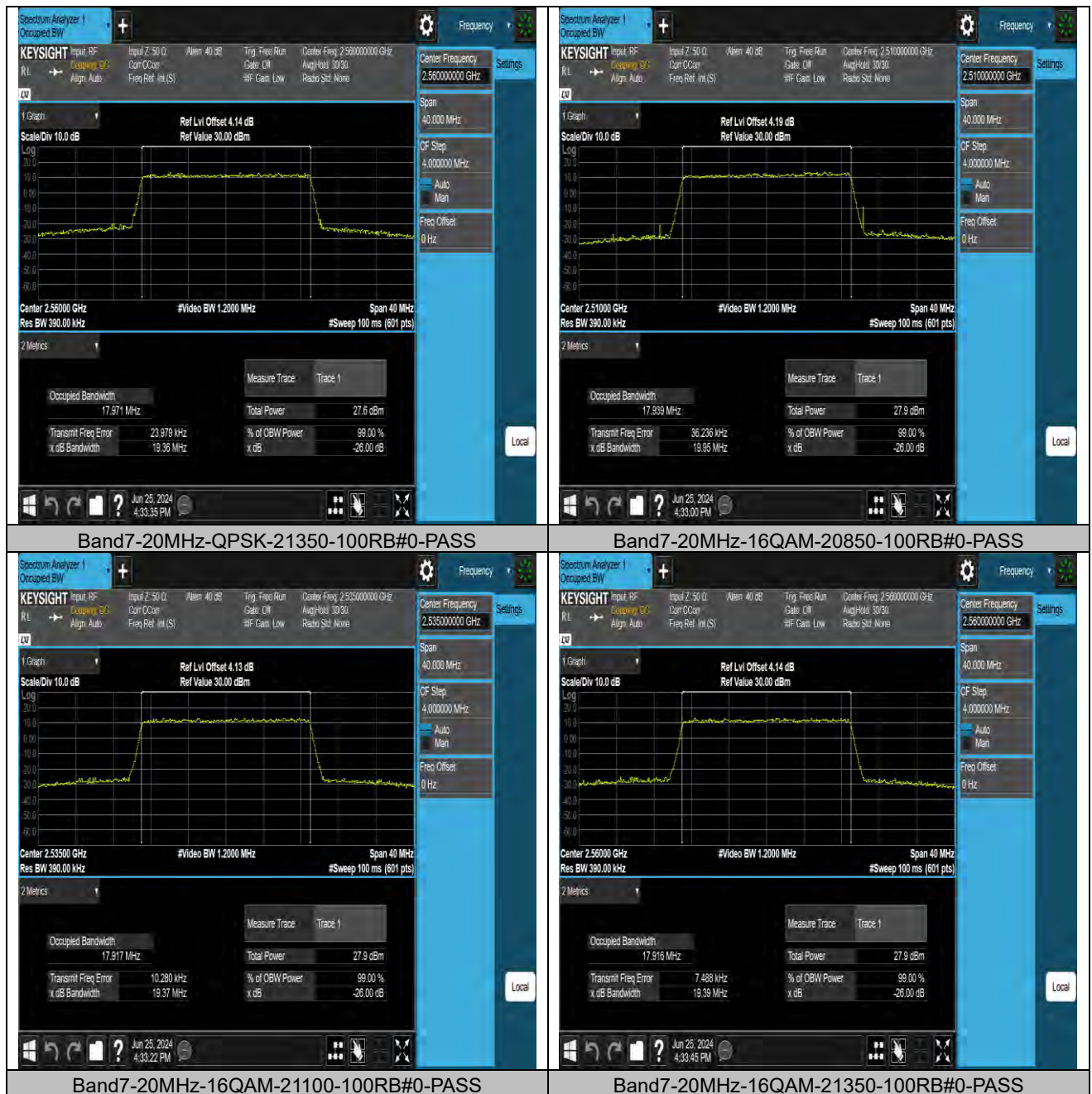
Test Report No.: W7L-P24100002RF07





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BAND EDGE

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	-32.61	PASS
Band7	5MHz	QPSK	20775	25RB#0	-44.27	PASS
Band7	5MHz	QPSK	21425	1RB#24	-30.60	PASS
Band7	5MHz	QPSK	21425	25RB#0	-43.53	PASS
Band7	5MHz	16QAM	20775	1RB#0	-32.98	PASS
Band7	5MHz	16QAM	20775	25RB#0	-45.99	PASS
Band7	5MHz	16QAM	21425	1RB#24	-32.39	PASS
Band7	5MHz	16QAM	21425	25RB#0	-45.46	PASS
Band7	10MHz	QPSK	20800	1RB#0	-48.76	PASS
Band7	10MHz	QPSK	20800	50RB#0	-44.72	PASS
Band7	10MHz	QPSK	21400	1RB#49	-48.74	PASS
Band7	10MHz	QPSK	21400	50RB#0	-44.18	PASS
Band7	10MHz	16QAM	20800	1RB#0	-48.69	PASS
Band7	10MHz	16QAM	20800	50RB#0	-45.70	PASS
Band7	10MHz	16QAM	21400	1RB#49	-48.70	PASS
Band7	10MHz	16QAM	21400	50RB#0	-45.19	PASS
Band7	15MHz	QPSK	20825	1RB#0	-46.80	PASS
Band7	15MHz	QPSK	20825	75RB#0	-38.87	PASS
Band7	15MHz	QPSK	21375	1RB#74	-48.79	PASS
Band7	15MHz	QPSK	21375	75RB#0	-44.50	PASS
Band7	15MHz	16QAM	20825	1RB#0	-47.91	PASS
Band7	15MHz	16QAM	20825	75RB#0	-41.88	PASS
Band7	15MHz	16QAM	21375	1RB#74	-48.86	PASS
Band7	15MHz	16QAM	21375	75RB#0	-46.30	PASS
Band7	20MHz	QPSK	20850	1RB#0	-48.34	PASS
Band7	20MHz	QPSK	20850	100RB#0	-40.29	PASS
Band7	20MHz	QPSK	21350	1RB#99	-48.95	PASS
Band7	20MHz	QPSK	21350	100RB#0	-48.12	PASS
Band7	20MHz	16QAM	20850	1RB#0	-48.38	PASS
Band7	20MHz	16QAM	20850	100RB#0	-41.01	PASS
Band7	20MHz	16QAM	21350	1RB#99	-48.93	PASS
Band7	20MHz	16QAM	21350	100RB#0	-48.17	PASS



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Test Graphs





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CONDUCTED SPURIOUS EMISSION

Test Result

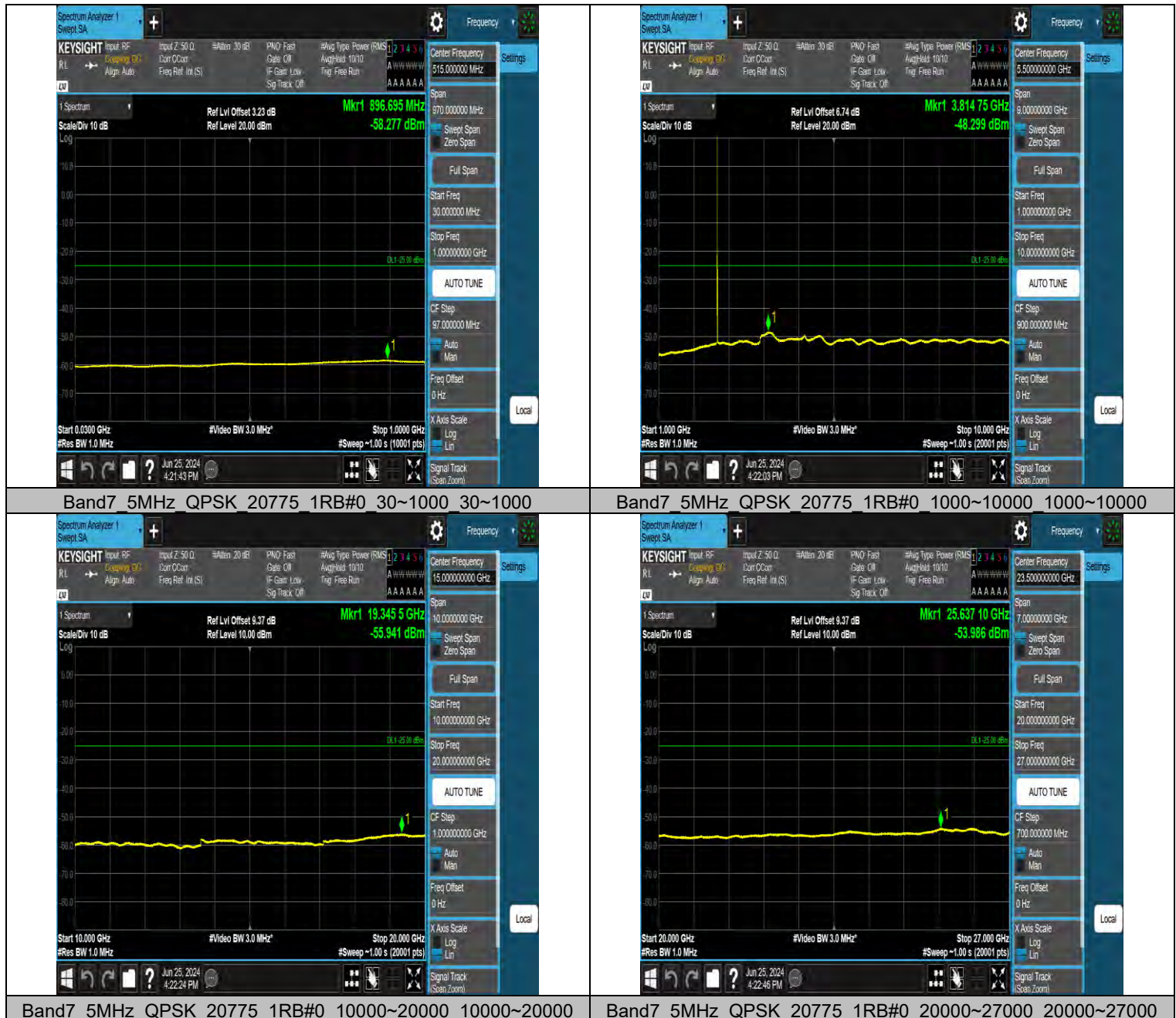
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	30~1000	-58.28	PASS
Band7	5MHz	QPSK	20775	1RB#0	1000~10000	-48.30	PASS
Band7	5MHz	QPSK	20775	1RB#0	10000~20000	-55.94	PASS
Band7	5MHz	QPSK	20775	1RB#0	20000~27000	-53.99	PASS
Band7	5MHz	QPSK	21100	1RB#0	30~1000	-58.24	PASS
Band7	5MHz	QPSK	21100	1RB#0	1000~10000	-48.16	PASS
Band7	5MHz	QPSK	21100	1RB#0	10000~20000	-56.03	PASS
Band7	5MHz	QPSK	21100	1RB#0	20000~27000	-53.77	PASS
Band7	5MHz	QPSK	21425	1RB#0	30~1000	-58.25	PASS
Band7	5MHz	QPSK	21425	1RB#0	1000~10000	-41.09	PASS
Band7	5MHz	QPSK	21425	1RB#0	10000~20000	-55.90	PASS
Band7	5MHz	QPSK	21425	1RB#0	20000~27000	-53.90	PASS
Band7	10MHz	QPSK	20800	1RB#0	30~1000	-58.29	PASS
Band7	10MHz	QPSK	20800	1RB#0	1000~10000	-48.18	PASS
Band7	10MHz	QPSK	20800	1RB#0	10000~20000	-55.99	PASS
Band7	10MHz	QPSK	20800	1RB#0	20000~27000	-53.80	PASS
Band7	10MHz	QPSK	21100	1RB#0	30~1000	-58.21	PASS
Band7	10MHz	QPSK	21100	1RB#0	1000~10000	-48.22	PASS
Band7	10MHz	QPSK	21100	1RB#0	10000~20000	-56.02	PASS
Band7	10MHz	QPSK	21100	1RB#0	20000~27000	-53.94	PASS
Band7	10MHz	QPSK	21400	1RB#0	30~1000	-58.32	PASS
Band7	10MHz	QPSK	21400	1RB#0	1000~10000	-46.56	PASS
Band7	10MHz	QPSK	21400	1RB#0	10000~20000	-55.86	PASS
Band7	10MHz	QPSK	21400	1RB#0	20000~27000	-53.94	PASS
Band7	15MHz	QPSK	20825	1RB#0	30~1000	-58.27	PASS
Band7	15MHz	QPSK	20825	1RB#0	1000~10000	-48.33	PASS
Band7	15MHz	QPSK	20825	1RB#0	10000~20000	-55.99	PASS
Band7	15MHz	QPSK	20825	1RB#0	20000~27000	-53.87	PASS
Band7	15MHz	QPSK	21100	1RB#0	30~1000	-58.29	PASS
Band7	15MHz	QPSK	21100	1RB#0	1000~10000	-48.43	PASS
Band7	15MHz	QPSK	21100	1RB#0	10000~20000	-55.94	PASS
Band7	15MHz	QPSK	21100	1RB#0	20000~27000	-53.93	PASS
Band7	15MHz	QPSK	21375	1RB#0	30~1000	-58.22	PASS
Band7	15MHz	QPSK	21375	1RB#0	1000~10000	-48.26	PASS
Band7	15MHz	QPSK	21375	1RB#0	10000~20000	-56.04	PASS
Band7	15MHz	QPSK	21375	1RB#0	20000~27000	-53.88	PASS
Band7	20MHz	QPSK	20850	1RB#0	30~1000	-58.24	PASS
Band7	20MHz	QPSK	20850	1RB#0	1000~10000	-48.35	PASS
Band7	20MHz	QPSK	20850	1RB#0	10000~20000	-55.90	PASS
Band7	20MHz	QPSK	20850	1RB#0	20000~27000	-53.87	PASS
Band7	20MHz	QPSK	21100	1RB#0	30~1000	-58.21	PASS
Band7	20MHz	QPSK	21100	1RB#0	1000~10000	-48.31	PASS
Band7	20MHz	QPSK	21100	1RB#0	10000~20000	-56.02	PASS
Band7	20MHz	QPSK	21100	1RB#0	20000~27000	-53.94	PASS



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Band7	20MHz	QPSK	21350	1RB#0	30~1000	-58.26	PASS
Band7	20MHz	QPSK	21350	1RB#0	1000~10000	-48.17	PASS
Band7	20MHz	QPSK	21350	1RB#0	10000~20000	-56.04	PASS
Band7	20MHz	QPSK	21350	1RB#0	20000~27000	-53.90	PASS

Test Graphs





Band7 5MHz QPSK 21100 1RB#0 30~1000 30~1000



Band7 5MHz QPSK 21100 1RB#0 1000~10000 1000~10000



Band7 5MHz QPSK 21100 1RB#0 10000~20000 10000~20000



Band7 5MHz QPSK 21100 1RB#0 20000~27000 20000~27000



Band7 5MHz QPSK 21425 1RB#0 30~1000 30~1000



Band7 5MHz QPSK 21425 1RB#0 1000~10000 1000~10000



Band7 5MHz QPSK 21425 1RB#0 10000~20000 10000~20000



Band7 5MHz QPSK 21425 1RB#0 20000~27000 20000~27000



Band7 10MHz QPSK 20800 1RB#0 30~1000 30~1000

Band7 10MHz QPSK 20800 1RB#0 1000~10000 1000~10000



Band7 10MHz QPSK 20800 1RB#0 10000~20000 10000~20000

Band7 10MHz QPSK 20800 1RB#0 20000~27000 20000~27000



Band7 10MHz QPSK 21100 1RB#0 30~1000 30~1000

Band7 10MHz QPSK 21100 1RB#0 1000~10000 1000~10000

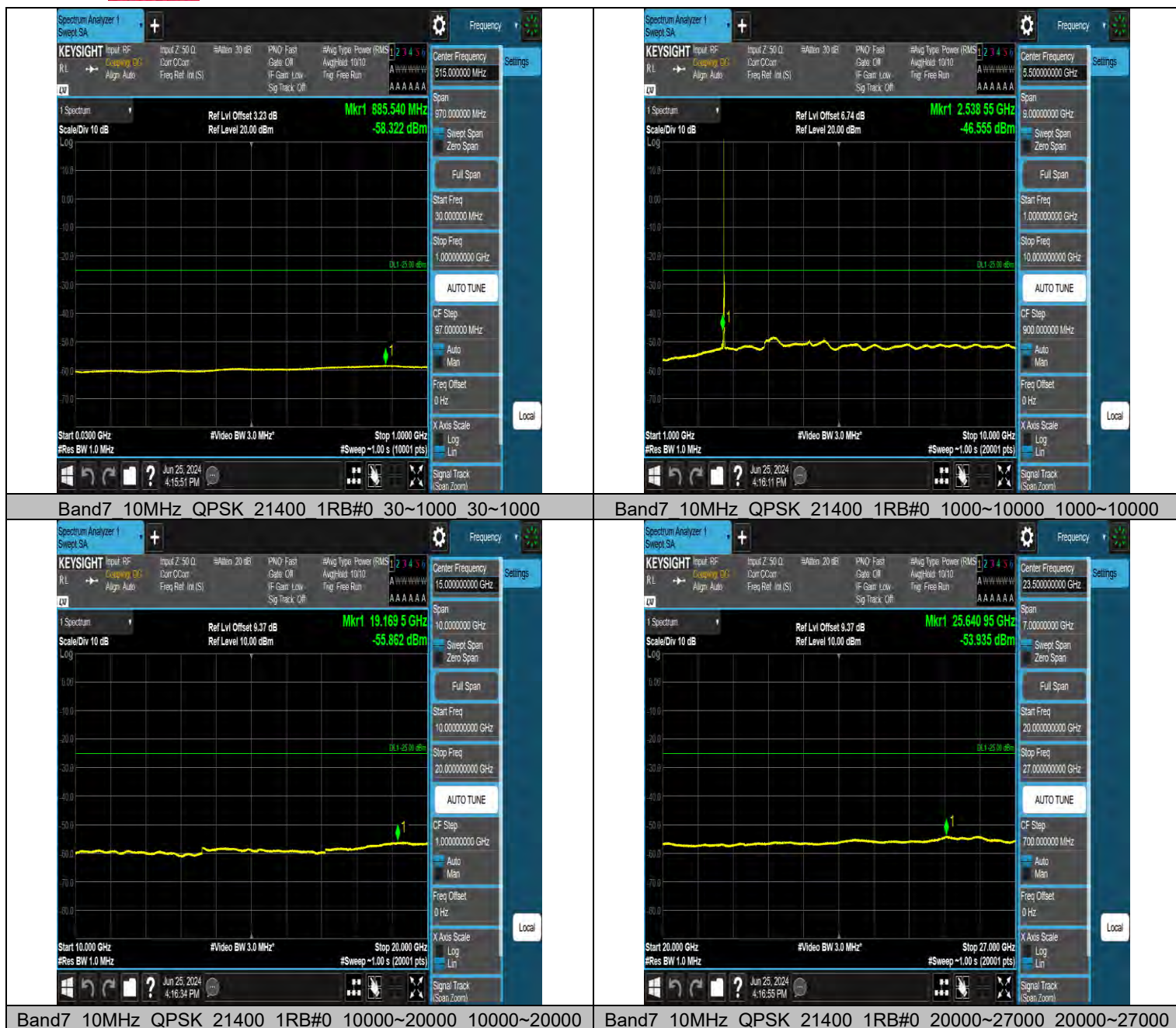


Band7 10MHz QPSK 21100 1RB#0 10000~20000 10000~20000

Band7 10MHz QPSK 21100 1RB#0 20000~27000 20000~27000



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Band7 15MHz QPSK 20825 1RB#0 30~1000 30~1000

Band7 15MHz QPSK 20825 1RB#0 1000~10000 1000~10000



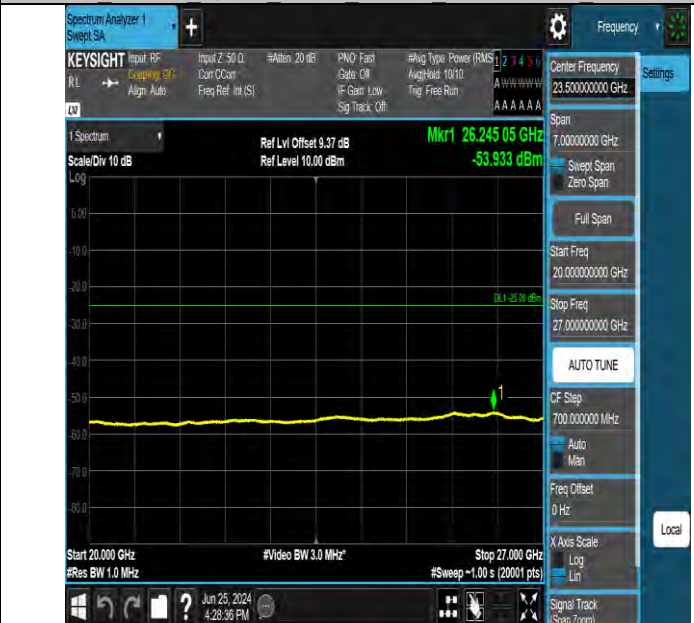
Band7 15MHz QPSK 20825 1RB#0 10000~20000 10000~20000

Band7 15MHz QPSK 20825 1RB#0 20000~27000 20000~27000



Band7 15MHz QPSK 21100 1RB#0 30~1000 30~1000

Band7 15MHz QPSK 21100 1RB#0 1000~10000 1000~10000



Band7 15MHz QPSK 21100 1RB#0 10000~20000 10000~20000

Band7 15MHz QPSK 21100 1RB#0 20000~27000 20000~27000



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Band7 15MHz QPSK 21375 1RB#0 30~1000 30~1000

Band7 15MHz QPSK 21375 1RB#0 1000~10000 1000~10000



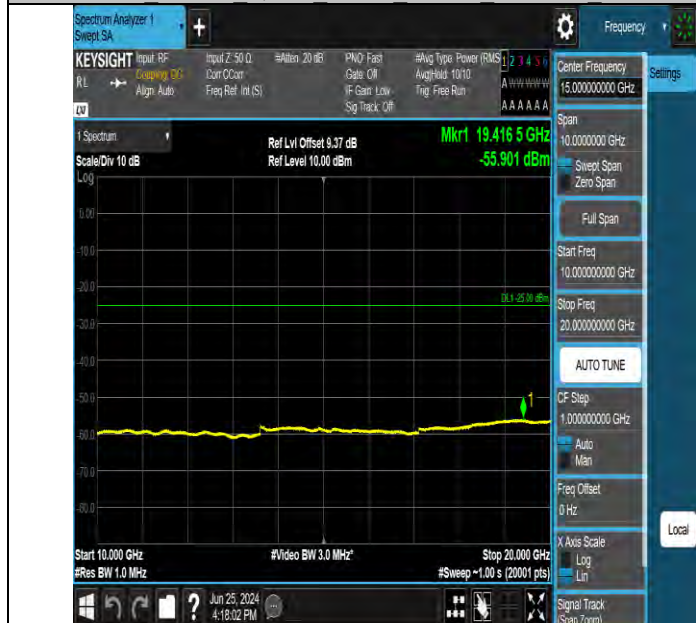
Band7 15MHz QPSK 21375 1RB#0 10000~20000 10000~20000

Band7 15MHz QPSK 21375 1RB#0 20000~27000 20000~27000



Band7 20MHz QPSK 20850 1RB#0 30~1000 30~1000

Band7 20MHz QPSK 20850 1RB#0 1000~10000 1000~10000



Band7 20MHz QPSK 20850 1RB#0 10000~20000 10000~20000

Band7 20MHz QPSK 20850 1RB#0 20000~27000 20000~27000



Band7 20MHz QPSK 21100 1RB#0 30~1000 30~1000

Band7 20MHz QPSK 21100 1RB#0 1000~10000 1000~10000



Band7 20MHz QPSK 21100 1RB#0 10000~20000 10000~20000

Band7 20MHz QPSK 21100 1RB#0 20000~27000 20000~27000



Band7 20MHz QPSK 21350 1RB#0 30~1000 30~1000

Band7 20MHz QPSK 21350 1RB#0 1000~10000 1000~10000



Band7 20MHz QPSK 21350 1RB#0 10000~20000 10000~20000

Band7 20MHz QPSK 21350 1RB#0 20000~27000 20000~27000

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
Band7	10MHz	QPSK	20800	50RB #0	VN	NT	-6.67	-0.002663	2500.043188	---	2500-2570	PASS
Band7	10MHz	QPSK	20800	50RB #0	VL	NT	-4.22	-0.001685	2500.007317	---	2500-2570	PASS
Band7	10MHz	QPSK	20800	50RB #0	VH	NT	-5.59	-0.002232	2500.040091	---	2500-2570	PASS
Band7	10MHz	QPSK	21400	50RB #0	VN	NT	5.36	0.002090	---	2569.996562	2500-2570	PASS
Band7	10MHz	QPSK	21400	50RB #0	VL	NT	-4.56	-0.001778	---	2569.924375	2500-2570	PASS
Band7	10MHz	QPSK	21400	50RB #0	VH	NT	-6.94	-0.002706	---	2569.633599	2500-2570	PASS

Temperature												
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band7	10MHz	QPSK	20800	50RB #0	NV	-30	-2.90	-0.001158	2500.036804	---	2500-2570	PASS
Band7	10MHz	QPSK	20800	50RB #0	NV	-20	-4.98	-0.001988	2500.032221	---	2500-2570	PASS
Band7	10MHz	QPSK	20800	50RB #0	NV	-10	4.42	0.001764	2500.034073	---	2500-2570	PASS
Band7	10MHz	QPSK	20800	50RB #0	NV	0	-10.67	-0.004259	2500.027768	---	2500-2570	PASS
Band7	10MHz	QPSK	20800	50RB #0	NV	10	-6.81	-0.002719	2500.012877	---	2500-2570	PASS
Band7	10MHz	QPSK	20800	50RB #0	NV	20	6.48	0.002587	2500.035125	---	2500-2570	PASS
Band7	10MHz	QPSK	20800	50RB #0	NV	30	-8.30	-0.003	2500.	---	2500-	PASS



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	z			#0				313	04849 6		2570	
Band7	10MH z	QPSK	20800	50RB #0	NV	40	-8.13	-0.003 246	2500. 01336 5	---	2500- 2570	PASS
Band7	10MH z	QPSK	20800	50RB #0	NV	50	-7.41	-0.002 958	2500. 00346 1	---	2500- 2570	PASS
Band7	10MH z	QPSK	21400	50RB #0	NV	-30	-5.31	-0.002 070	---	2569. 85989 6	2500- 2570	PASS
Band7	10MH z	QPSK	21400	50RB #0	NV	-20	-5.94	-0.002 316	---	2569. 93683 4	2500- 2570	PASS
Band7	10MH z	QPSK	21400	50RB #0	NV	-10	-8.37	-0.003 263	---	2569. 98435 9	2500- 2570	PASS
Band7	10MH z	QPSK	21400	50RB #0	NV	0	-9.16	-0.003 571	---	2569. 85826 7	2500- 2570	PASS
Band7	10MH z	QPSK	21400	50RB #0	NV	10	-5.02	-0.001 957	---	2569. 91120 8	2500- 2570	PASS
Band7	10MH z	QPSK	21400	50RB #0	NV	20	-8.71	-0.003 396	---	2569. 66631 8	2500- 2570	PASS
Band7	10MH z	QPSK	21400	50RB #0	NV	30	-12.32	-0.004 803	---	2569. 78523 3	2500- 2570	PASS
Band7	10MH z	QPSK	21400	50RB #0	NV	40	-6.02	-0.002 347	---	2569. 78624 1	2500- 2570	PASS
Band7	10MH z	QPSK	21400	50RB #0	NV	50	-9.67	-0.003 770	---	2569. 67487 3	2500- 2570	PASS



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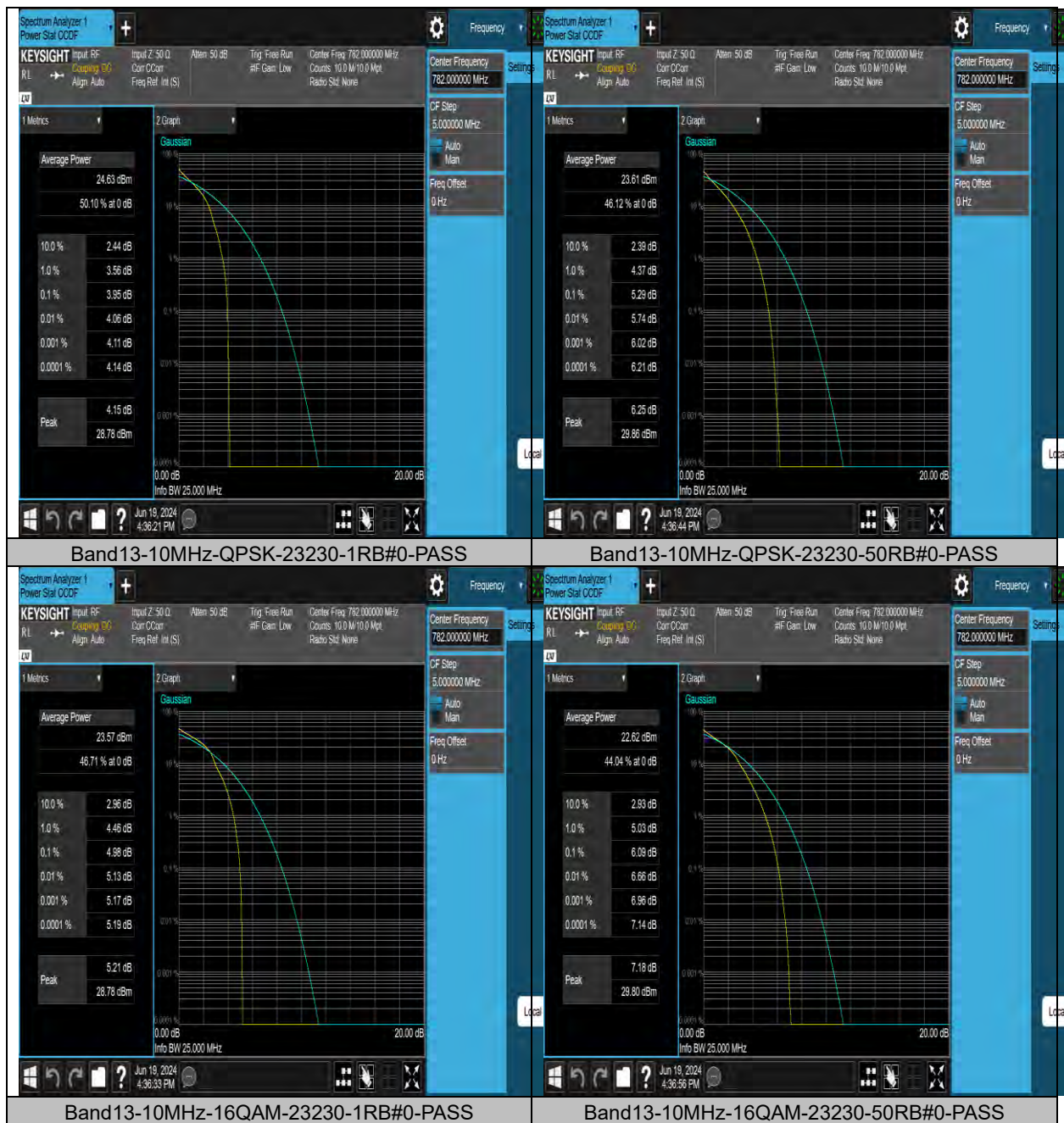
LTE BAND13

PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band13	10MHz	QPSK	23230	1RB#0	3.95	13	PASS
Band13	10MHz	QPSK	23230	50RB#0	5.29	13	PASS
Band13	10MHz	16QAM	23230	1RB#0	4.98	13	PASS
Band13	10MHz	16QAM	23230	50RB#0	6.09	13	PASS

Test Graphs

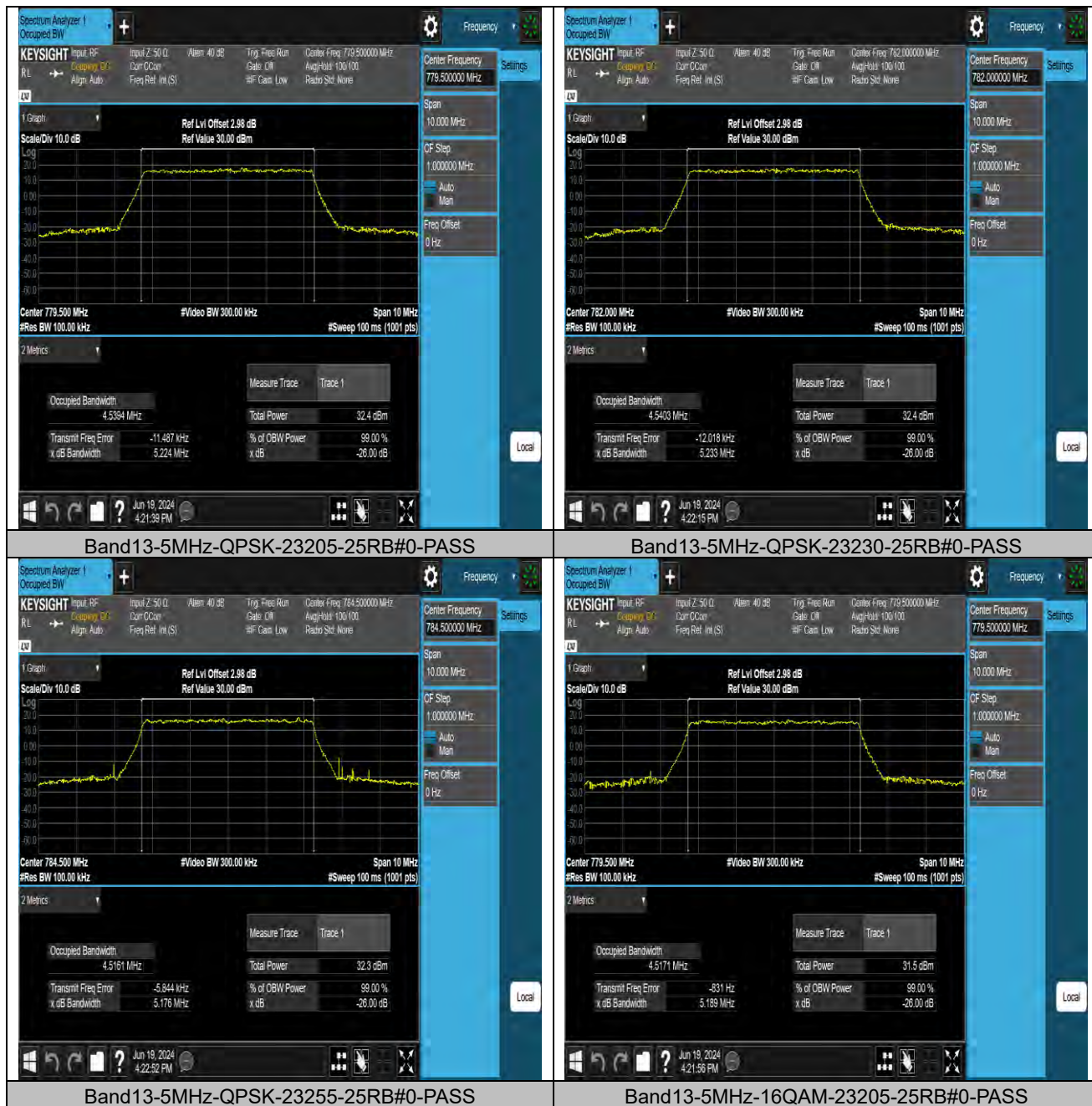


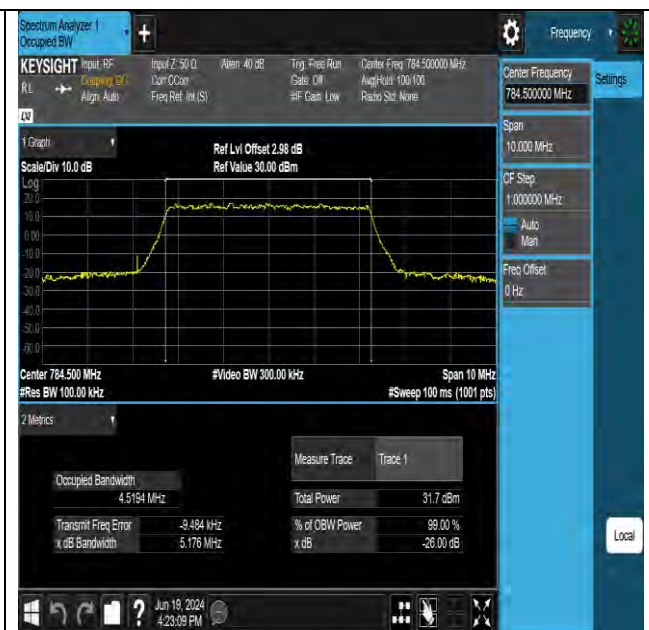
26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.5394	5.224	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.5403	5.233	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.5161	5.176	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.5171	5.189	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.5236	5.206	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.5194	5.176	PASS
Band13	10MHz	QPSK	23230	50RB#0	9.0323	10.12	PASS
Band13	10MHz	16QAM	23230	50RB#0	9.0021	10.12	PASS

Test Graphs





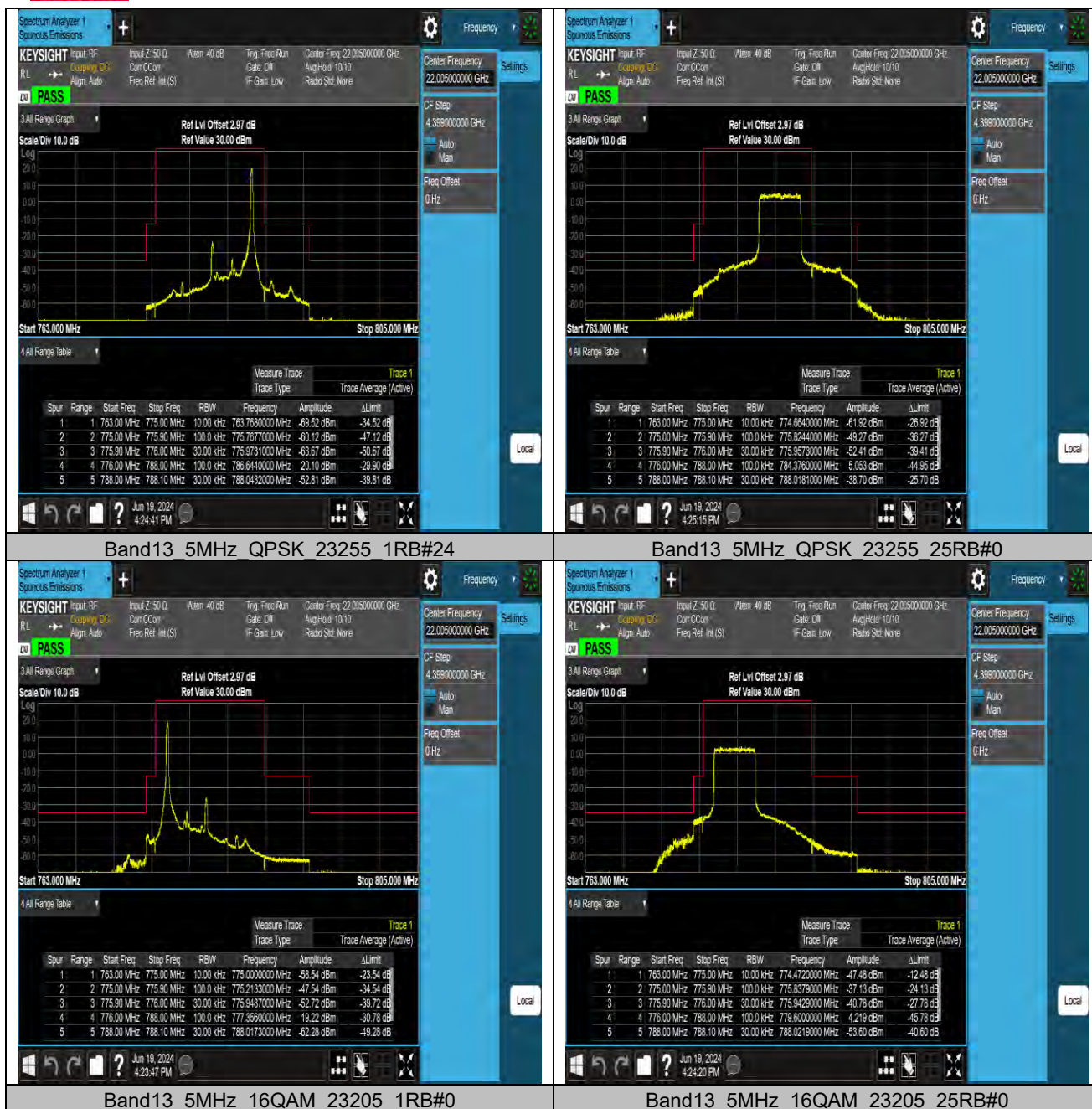
BAND EDGE

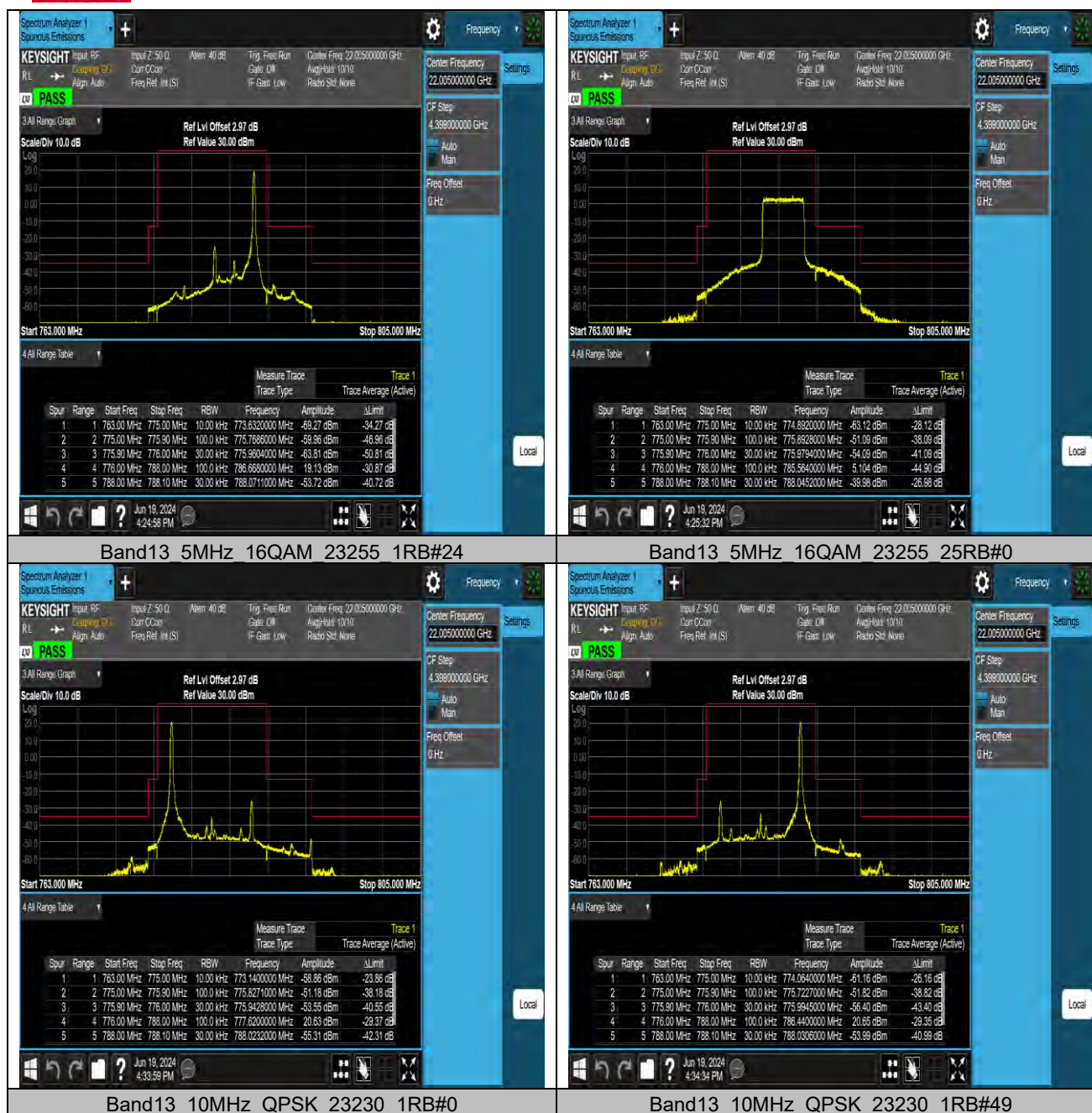
Test Result

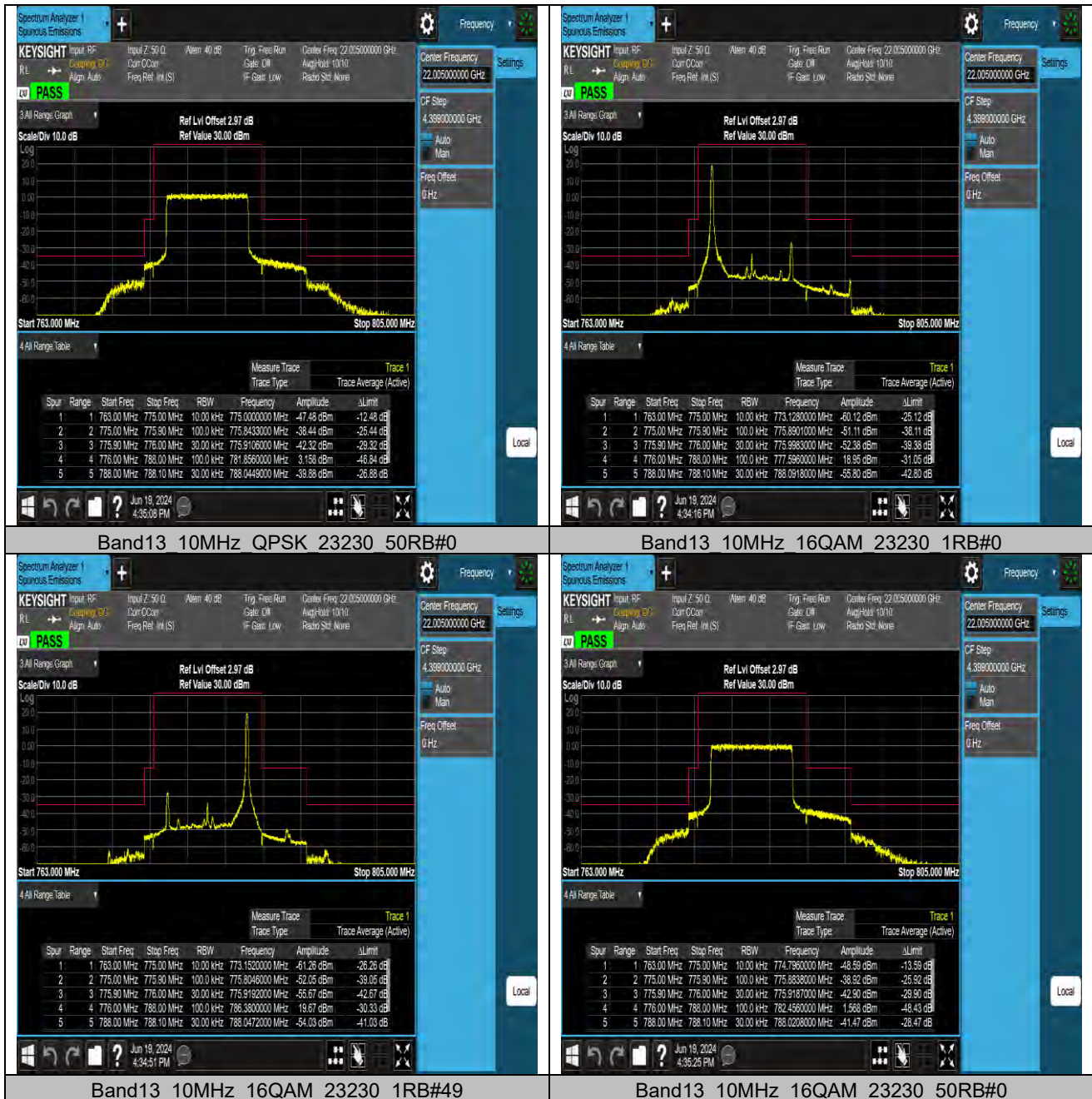
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	-57.90	PASS
Band13	5MHz	QPSK	23205	25RB#0	-46.92	PASS
Band13	5MHz	QPSK	23255	1RB#24	-68.56	PASS
Band13	5MHz	QPSK	23255	25RB#0	-57.09	PASS
Band13	5MHz	16QAM	23205	1RB#0	-58.54	PASS
Band13	5MHz	16QAM	23205	25RB#0	-47.48	PASS
Band13	5MHz	16QAM	23255	1RB#24	-68.10	PASS
Band13	5MHz	16QAM	23255	25RB#0	-58.85	PASS
Band13	10MHz	QPSK	23230	1RB#0	-58.86	PASS
Band13	10MHz	QPSK	23230	1RB#49	-61.16	PASS
Band13	10MHz	QPSK	23230	50RB#0	-47.48	PASS
Band13	10MHz	16QAM	23230	1RB#0	-59.45	PASS
Band13	10MHz	16QAM	23230	1RB#49	-61.26	PASS
Band13	10MHz	16QAM	23230	50RB#0	-48.59	PASS

Test Graphs









CONDUCTED SPURIOUS EMISSION

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	30~1000	-57.49	PASS
Band13	5MHz	QPSK	23205	1RB#0	1000~10000	-38.39	PASS
Band13	5MHz	QPSK	23230	1RB#0	30~1000	-57.51	PASS
Band13	5MHz	QPSK	23230	1RB#0	1000~10000	-38.33	PASS
Band13	5MHz	QPSK	23255	1RB#0	30~1000	-57.41	PASS
Band13	5MHz	QPSK	23255	1RB#0	1000~10000	-38.36	PASS
Band13	10MHz	QPSK	23230	1RB#0	30~1000	-57.44	PASS
Band13	10MHz	QPSK	23230	1RB#0	1000~10000	-38.44	PASS

Test Graphs

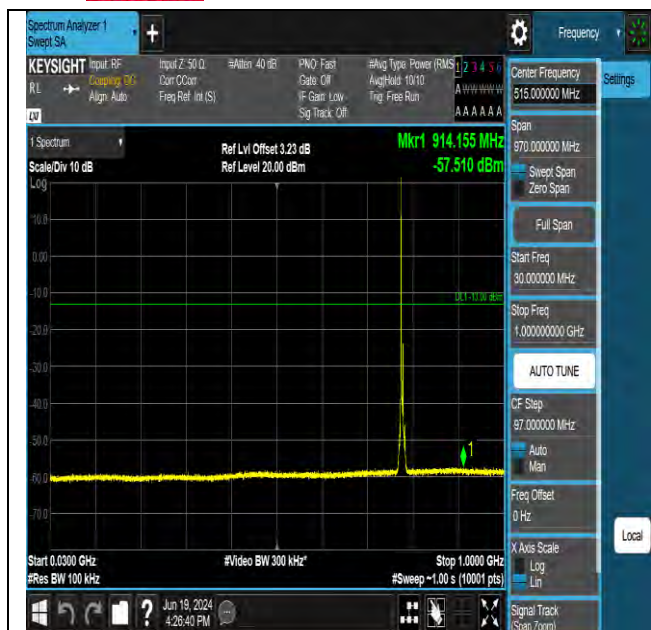


Band13 5MHz QPSK 23205 1RB#0 30~1000 30~1000

Band13 5MHz QPSK 23205 1RB#0 1000~10000 1000~10000



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Band13 5MHz QPSK 23230 1RB#0 30~1000 30~1000

Band13 5MHz QPSK 23230 1RB#0 1000~10000 1000~10000



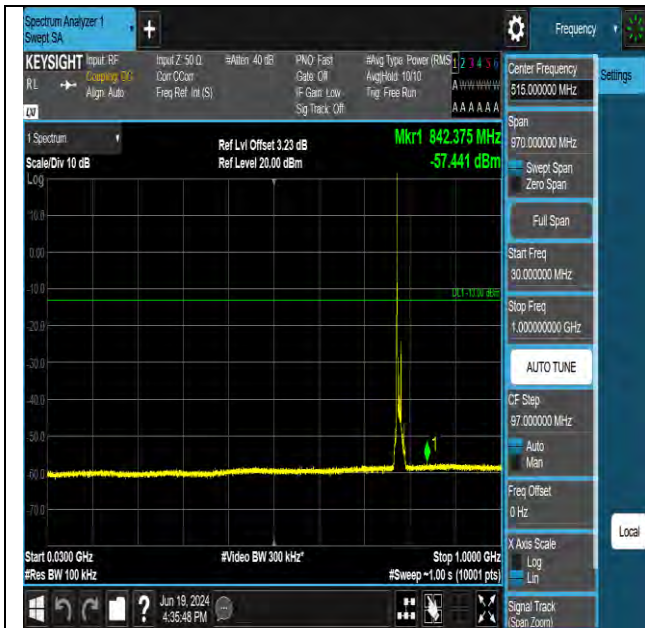
Band13 5MHz QPSK 23255 1RB#0 30~1000 30~1000

Band13 5MHz QPSK 23255 1RB#0 1000~10000 1000~10000



BUREAU
VERITAS

Test Report No.: W7L-P24100002RF07



Band13 10MHz QPSK 23230 1RB#0 30~1000 30~1000

Band13 10MHz QPSK 23230 1RB#0 1000~10000 1000~10000

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
Band1 3	5MHz	QPSK	23205	25RB #0	VN	NT	-1093.60	-1.402945	777.25263	---	777-787	PASS
Band1 3	5MHz	QPSK	23205	25RB #0	VL	NT	1230.41	1.578466	777.25366	---	777-787	PASS
Band1 3	5MHz	QPSK	23205	25RB #0	VH	NT	-1409.01	-1.807586	777.25053	---	777-787	PASS
Band1 3	5MHz	QPSK	23255	25RB #0	VN	NT	930.62	1.186254	---	786.74023	777-787	PASS
Band1 3	5MHz	QPSK	23255	25RB #0	VL	NT	-952.23	-1.213801	---	786.73979	777-787	PASS
Band1 3	5MHz	QPSK	23255	25RB #0	VH	NT	-1184.68	-1.510111	---	786.73751	777-787	PASS

Temperature												
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	FL (MHz)	FH (MHz)	Limit (MHz)	Verdict
Band1 3	5MHz	QPSK	23205	25RB #0	NV	-30	-1075.27	-1.379435	777.25122	---	777-787	PASS
Band1 3	5MHz	QPSK	23205	25RB #0	NV	-20	1115.66	1.431247	777.24925	---	777-787	PASS
Band1 3	5MHz	QPSK	23205	25RB #0	NV	-10	-1262.92	-1.620168	777.25571	---	777-787	PASS
Band1 3	5MHz	QPSK	23205	25RB #0	NV	0	-1359.75	-1.744385	777.25219	---	777-787	PASS
Band1 3	5MHz	QPSK	23205	25RB #0	NV	10	1207.91	1.549596	777.25035	---	777-787	PASS
Band1 3	5MHz	QPSK	23205	25RB #0	NV	20	-1308.22	-1.678280	777.2554	---	777-787	PASS
Band1 3	5MHz	QPSK	23205	25RB #0	NV	30	-1404.06	-1.801238	777.25169	---	777-787	PASS
Band1 3	5MHz	QPSK	23205	25RB #0	NV	40	-1478.65	-1.896927	777.25281	---	777-787	PASS
Band1 3	5MHz	QPSK	23205	25RB #0	NV	50	-1634.42	-2.096752	777.25137	---	777-787	PASS
Band1 3	5MHz	QPSK	23255	25RB #0	NV	-30	889.29	1.133571	---	786.73899	777-787	PASS
Band1 3	5MHz	QPSK	23255	25RB #0	NV	-20	-1070.56	-1.364642	---	786.73988	777-787	PASS
Band1 3	5MHz	QPSK	23255	25RB #0	NV	-10	-1303.87	-1.662037	---	786.74093	777-787	PASS
Band1	5MHz	QPSK	23255	25RB	NV	0	1099.	1.401	---	786.7	777-7	PASS