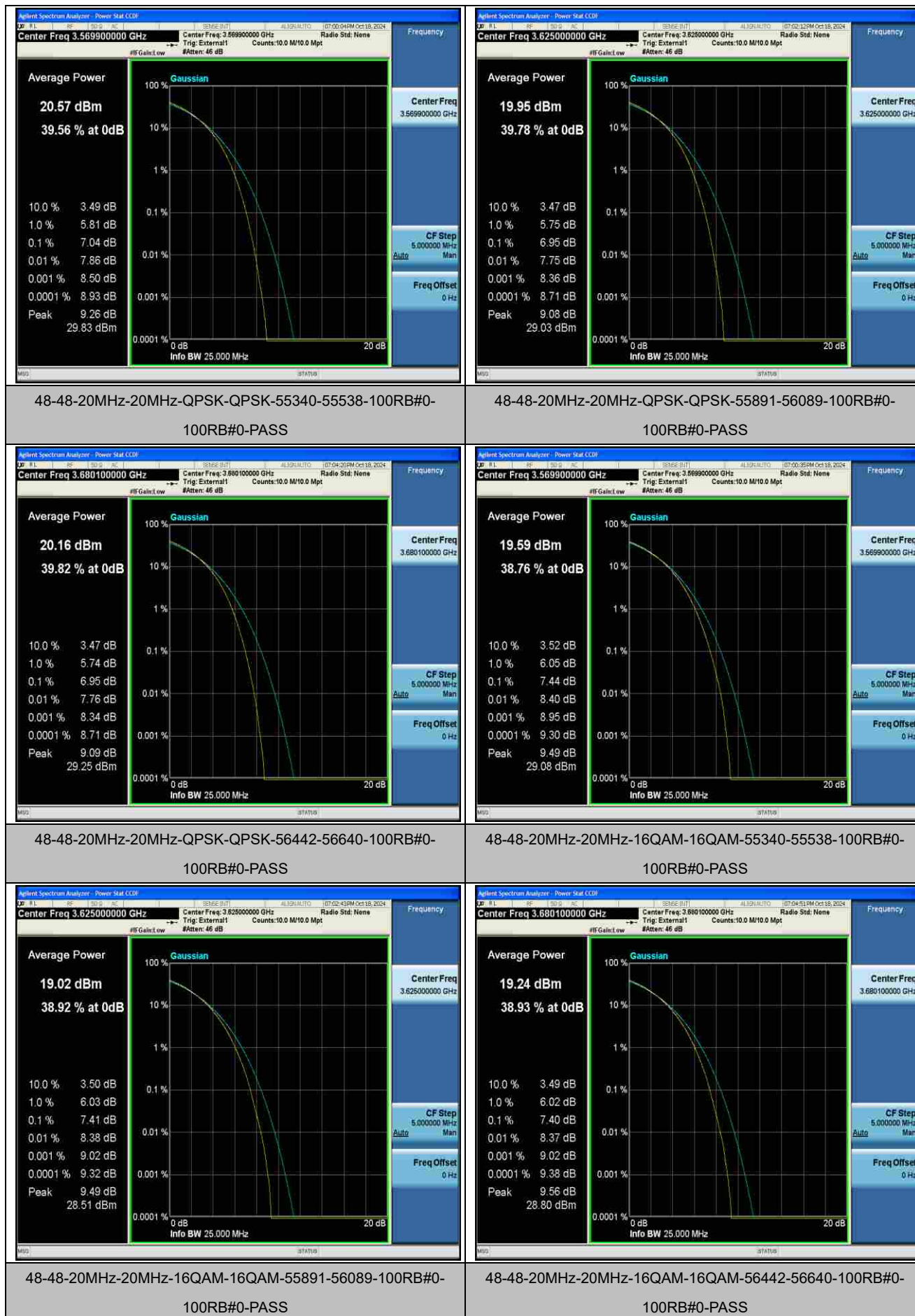
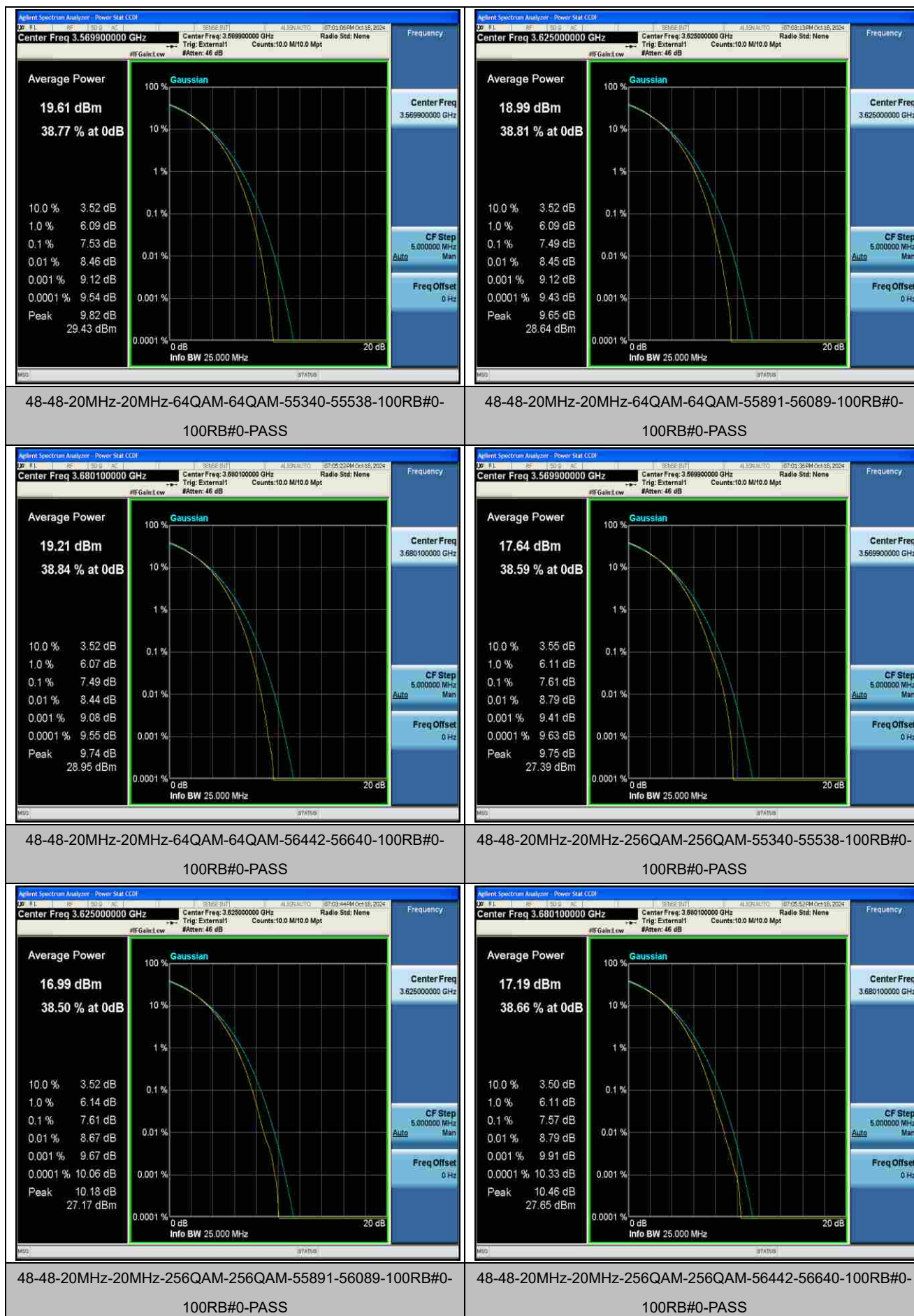


Test Graphs





26dB Bandwidth and Occupied Bandwidth

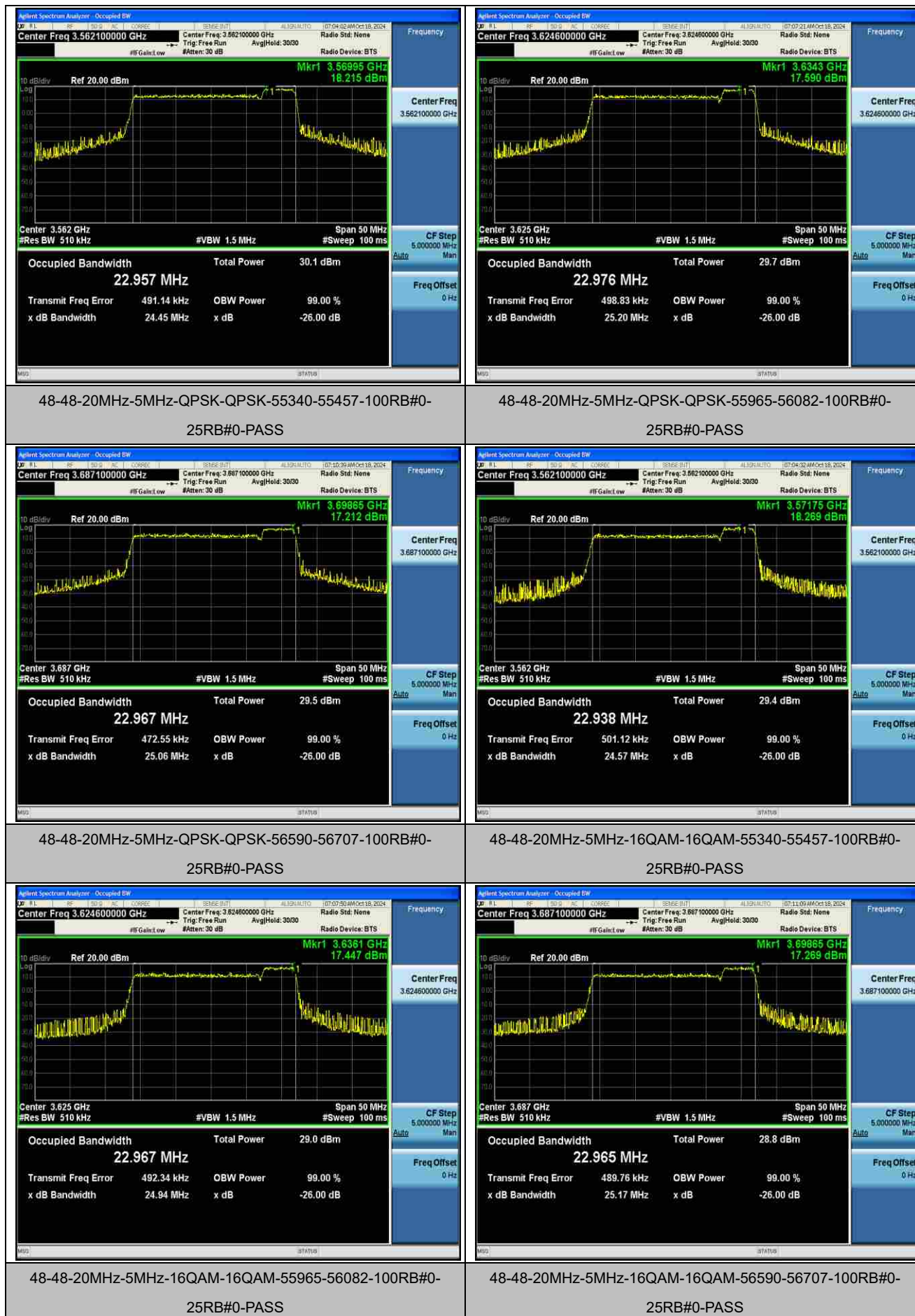
Test Result

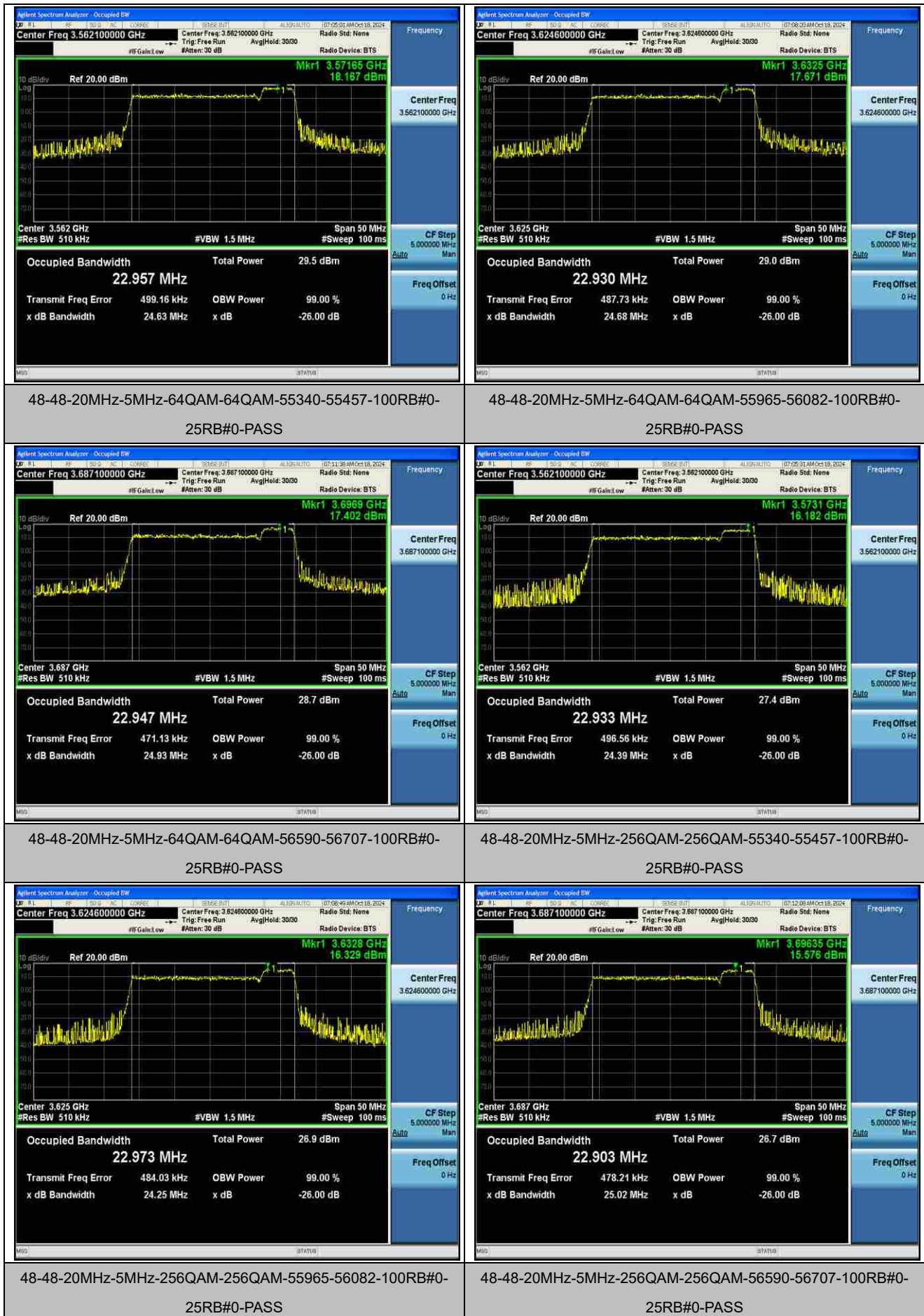
Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
48-48	20MHz-5MHz	QPSK-QPSK	55340-55457	100RB#0-25RB#0	22.957	24.45	PASS
48-48	20MHz-5MHz	QPSK-QPSK	55965-56082	100RB#0-25RB#0	22.976	25.20	PASS
48-48	20MHz-5MHz	QPSK-QPSK	56590-56707	100RB#0-25RB#0	22.967	25.06	PASS
48-48	20MHz-5MHz	16QAM-16QAM	55340-55457	100RB#0-25RB#0	22.938	24.57	PASS
48-48	20MHz-5MHz	16QAM-16QAM	55965-56082	100RB#0-25RB#0	22.967	24.94	PASS
48-48	20MHz-5MHz	16QAM-16QAM	56590-56707	100RB#0-25RB#0	22.965	25.17	PASS
48-48	20MHz-5MHz	64QAM-64QAM	55340-55457	100RB#0-25RB#0	22.957	24.63	PASS
48-48	20MHz-5MHz	64QAM-64QAM	55965-56082	100RB#0-25RB#0	22.930	24.68	PASS
48-48	20MHz-5MHz	64QAM-64QAM	56590-56707	100RB#0-25RB#0	22.947	24.93	PASS
48-48	20MHz-5MHz	256QAM-256QAM	55340-55457	100RB#0-25RB#0	22.933	24.39	PASS
48-48	20MHz-5MHz	256QAM-256QAM	55965-56082	100RB#0-25RB#0	22.973	24.25	PASS
48-48	20MHz-5MHz	256QAM-256QAM	56590-56707	100RB#0-25RB#0	22.903	25.02	PASS
48-48	20MHz-10MHz	QPSK-QPSK	55340-55484	100RB#0-50RB#0	27.886	31.20	PASS
48-48	20MHz-10MHz	QPSK-QPSK	55941-56085	100RB#0-50RB#0	27.864	30.47	PASS
48-48	20MHz-10MHz	QPSK-QPSK	56541-56685	100RB#0-50RB#0	27.888	29.76	PASS
48-48	20MHz-10MHz	16QAM-16QAM	55340-55484	100RB#0-50RB#0	27.872	29.73	PASS
48-48	20MHz-10MHz	16QAM-16QAM	55941-56085	100RB#0-50RB#0	27.863	30.25	PASS
48-48	20MHz-10MHz	16QAM-16QAM	56541-56685	100RB#0-50RB#0	27.866	30.33	PASS
48-48	20MHz-10MHz	64QAM-64QAM	55340-55484	100RB#0-50RB#0	27.839	30.88	PASS
48-48	20MHz-10MHz	64QAM-64QAM	55941-56085	100RB#0-50RB#0	27.843	29.73	PASS
48-48	20MHz-10MHz	64QAM-64QAM	56541-56685	100RB#0-50RB#0	27.847	29.88	PASS
48-48	20MHz-10MHz	256QAM-256QAM	55340-55484	100RB#0-50RB#0	27.858	29.92	PASS
48-48	20MHz-10MHz	256QAM-256QAM	55941-56085	100RB#0-50RB#0	27.830	29.92	PASS
48-48	20MHz-10MHz	256QAM-256QAM	56541-56685	100RB#0-50RB#0	27.867	29.82	PASS
48-48	20MHz-15MHz	QPSK-QPSK	55340-55511	100RB#0-75RB#0	32.751	36.38	PASS
48-48	20MHz-15MHz	QPSK-QPSK	55916-56087	100RB#0-75RB#0	32.767	35.80	PASS
48-48	20MHz-15MHz	QPSK-QPSK	56491-56662	100RB#0-75RB#0	32.772	34.98	PASS
48-48	20MHz-15MHz	16QAM-16QAM	55340-55511	100RB#0-75RB#0	32.814	36.37	PASS
48-48	20MHz-15MHz	16QAM-16QAM	55916-56087	100RB#0-75RB#0	32.717	35.18	PASS
48-48	20MHz-15MHz	16QAM-16QAM	56491-56662	100RB#0-75RB#0	32.778	37.67	PASS
48-48	20MHz-15MHz	64QAM-64QAM	55340-55511	100RB#0-75RB#0	32.772	36.00	PASS
48-48	20MHz-15MHz	64QAM-64QAM	55916-56087	100RB#0-75RB#0	32.712	35.03	PASS
48-48	20MHz-15MHz	64QAM-64QAM	56491-56662	100RB#0-75RB#0	32.736	35.29	PASS
48-48	20MHz-15MHz	256QAM-256QAM	55340-55511	100RB#0-75RB#0	32.753	35.14	PASS
48-48	20MHz-15MHz	256QAM-256QAM	55916-56087	100RB#0-75RB#0	32.722	35.16	PASS
48-48	20MHz-15MHz	256QAM-256QAM	56491-56662	100RB#0-75RB#0	32.745	35.13	PASS
48-48	5MHz-20MHz	QPSK-QPSK	55273-55390	25RB#0-100RB#0	22.969	24.39	PASS
48-48	5MHz-20MHz	QPSK-QPSK	55898-56015	25RB#0-100RB#0	22.946	24.62	PASS

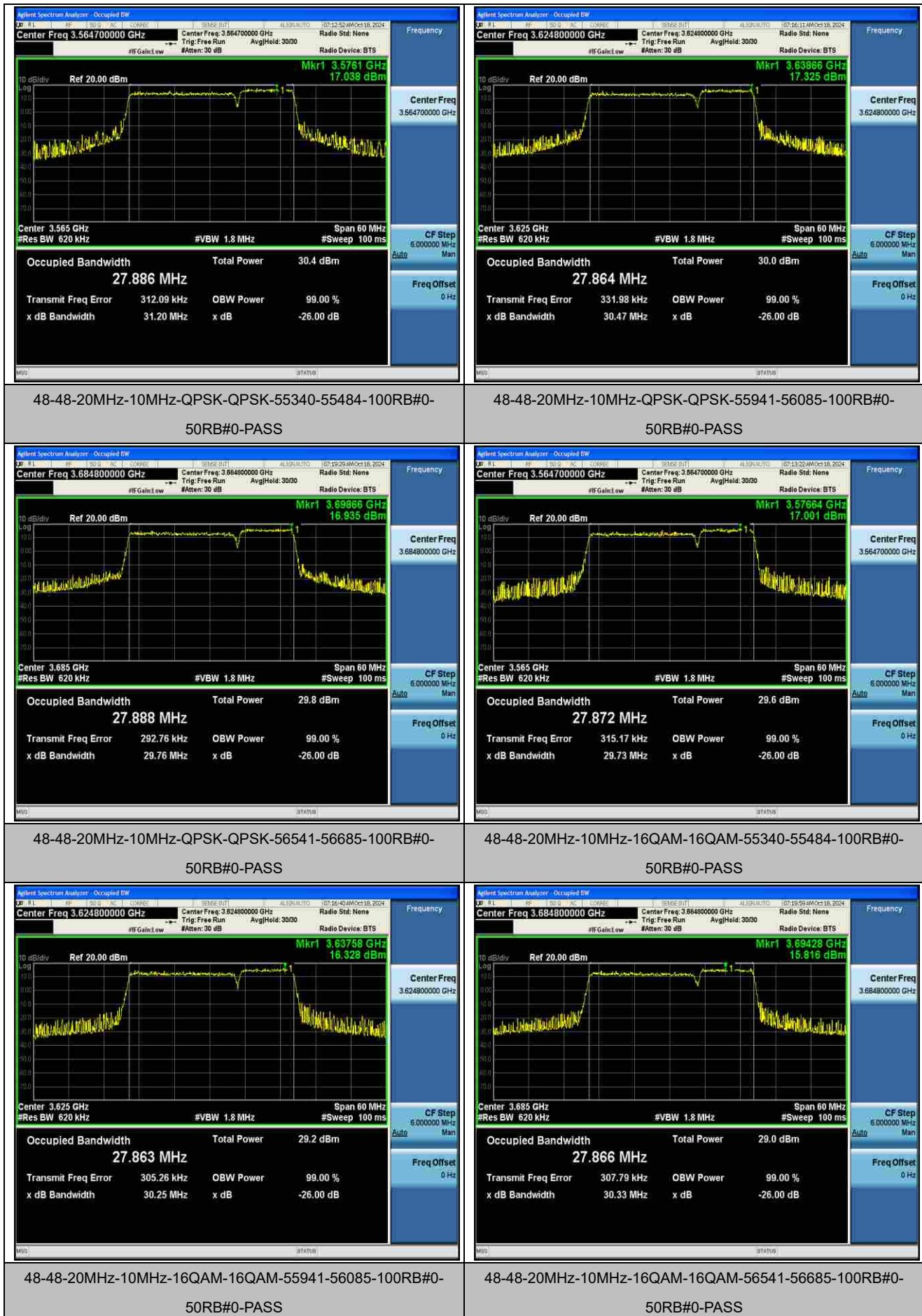
48-48	5MHz-20MHz	QPSK-QPSK	56523-56640	25RB#0-100RB#0	22.966	25.01	PASS
48-48	5MHz-20MHz	16QAM-16QAM	55273-55390	25RB#0-100RB#0	22.946	24.31	PASS
48-48	5MHz-20MHz	16QAM-16QAM	55898-56015	25RB#0-100RB#0	22.918	24.89	PASS
48-48	5MHz-20MHz	16QAM-16QAM	56523-56640	25RB#0-100RB#0	22.909	25.48	PASS
48-48	5MHz-20MHz	64QAM-64QAM	55273-55390	25RB#0-100RB#0	22.993	25.04	PASS
48-48	5MHz-20MHz	64QAM-64QAM	55898-56015	25RB#0-100RB#0	22.901	24.32	PASS
48-48	5MHz-20MHz	64QAM-64QAM	56523-56640	25RB#0-100RB#0	22.918	24.31	PASS
48-48	5MHz-20MHz	256QAM-256QAM	55273-55390	25RB#0-100RB#0	22.958	24.34	PASS
48-48	5MHz-20MHz	256QAM-256QAM	55898-56015	25RB#0-100RB#0	22.977	24.91	PASS
48-48	5MHz-20MHz	256QAM-256QAM	56523-56640	25RB#0-100RB#0	22.907	24.43	PASS
48-48	10MHz-20MHz	QPSK-QPSK	55295-55439	50RB#0-100RB#0	27.880	30.51	PASS
48-48	10MHz-20MHz	QPSK-QPSK	55896-56040	50RB#0-100RB#0	27.869	30.75	PASS
48-48	10MHz-20MHz	QPSK-QPSK	56496-56640	50RB#0-100RB#0	27.885	30.07	PASS
48-48	10MHz-20MHz	16QAM-16QAM	55295-55439	50RB#0-100RB#0	27.874	29.81	PASS
48-48	10MHz-20MHz	16QAM-16QAM	55896-56040	50RB#0-100RB#0	27.893	29.70	PASS
48-48	10MHz-20MHz	16QAM-16QAM	56496-56640	50RB#0-100RB#0	27.869	30.61	PASS
48-48	10MHz-20MHz	64QAM-64QAM	55295-55439	50RB#0-100RB#0	27.863	30.42	PASS
48-48	10MHz-20MHz	64QAM-64QAM	55896-56040	50RB#0-100RB#0	27.805	30.61	PASS
48-48	10MHz-20MHz	64QAM-64QAM	56496-56640	50RB#0-100RB#0	27.814	30.30	PASS
48-48	10MHz-20MHz	256QAM-256QAM	55295-55439	50RB#0-100RB#0	27.854	30.03	PASS
48-48	10MHz-20MHz	256QAM-256QAM	55896-56040	50RB#0-100RB#0	27.840	30.10	PASS
48-48	10MHz-20MHz	256QAM-256QAM	56496-56640	50RB#0-100RB#0	27.823	29.72	PASS
48-48	15MHz-20MHz	QPSK-QPSK	55318-55489	75RB#0-100RB#0	32.774	35.27	PASS
48-48	15MHz-20MHz	QPSK-QPSK	55893-56064	75RB#0-100RB#0	32.778	36.36	PASS
48-48	15MHz-20MHz	QPSK-QPSK	56469-56640	75RB#0-100RB#0	32.766	35.77	PASS
48-48	15MHz-20MHz	16QAM-16QAM	55318-55489	75RB#0-100RB#0	32.707	36.32	PASS
48-48	15MHz-20MHz	16QAM-16QAM	55893-56064	75RB#0-100RB#0	32.751	36.92	PASS
48-48	15MHz-20MHz	16QAM-16QAM	56469-56640	75RB#0-100RB#0	32.734	35.24	PASS
48-48	15MHz-20MHz	64QAM-64QAM	55318-55489	75RB#0-100RB#0	32.709	34.81	PASS
48-48	15MHz-20MHz	64QAM-64QAM	55893-56064	75RB#0-100RB#0	32.714	35.07	PASS
48-48	15MHz-20MHz	64QAM-64QAM	56469-56640	75RB#0-100RB#0	32.735	34.87	PASS
48-48	15MHz-20MHz	256QAM-256QAM	55318-55489	75RB#0-100RB#0	32.733	35.79	PASS
48-48	15MHz-20MHz	256QAM-256QAM	55893-56064	75RB#0-100RB#0	32.773	35.00	PASS
48-48	15MHz-20MHz	256QAM-256QAM	56469-56640	75RB#0-100RB#0	32.757	34.73	PASS
48-48	20MHz-20MHz	QPSK-QPSK	55340-55538	100RB#0-100RB#0	37.686	41.68	PASS
48-48	20MHz-20MHz	QPSK-QPSK	55891-56089	100RB#0-100RB#0	37.704	40.85	PASS
48-48	20MHz-20MHz	QPSK-QPSK	56442-56640	100RB#0-100RB#0	37.713	41.46	PASS
48-48	20MHz-20MHz	16QAM-16QAM	55340-55538	100RB#0-100RB#0	37.763	42.51	PASS
48-48	20MHz-20MHz	16QAM-16QAM	55891-56089	100RB#0-100RB#0	37.675	42.43	PASS
48-48	20MHz-20MHz	16QAM-16QAM	56442-56640	100RB#0-100RB#0	37.669	40.32	PASS
48-48	20MHz-20MHz	64QAM-64QAM	55340-55538	100RB#0-100RB#0	37.696	40.54	PASS
48-48	20MHz-20MHz	64QAM-64QAM	55891-56089	100RB#0-100RB#0	37.705	41.03	PASS
48-48	20MHz-20MHz	64QAM-64QAM	56442-56640	100RB#0-100RB#0	37.655	40.94	PASS
48-48	20MHz-20MHz	256QAM-256QAM	55340-55538	100RB#0-100RB#0	37.769	40.77	PASS
48-48	20MHz-20MHz	256QAM-256QAM	55891-56089	100RB#0-100RB#0	37.714	41.16	PASS

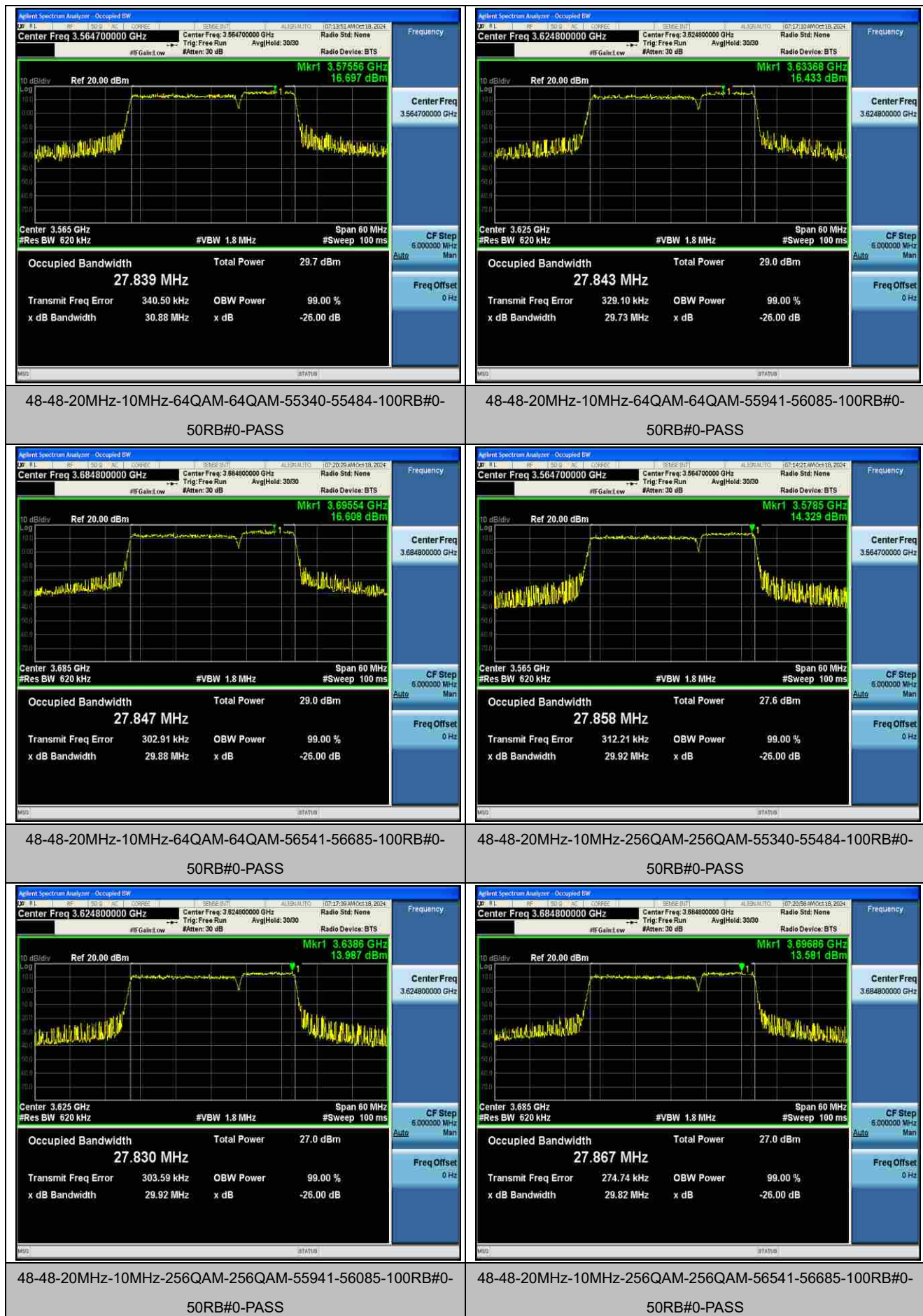
48-48	20MHz-20MHz	256QAM-256QAM	56442-56640	100RB#0-100RB#0	37.745	40.64	PASS
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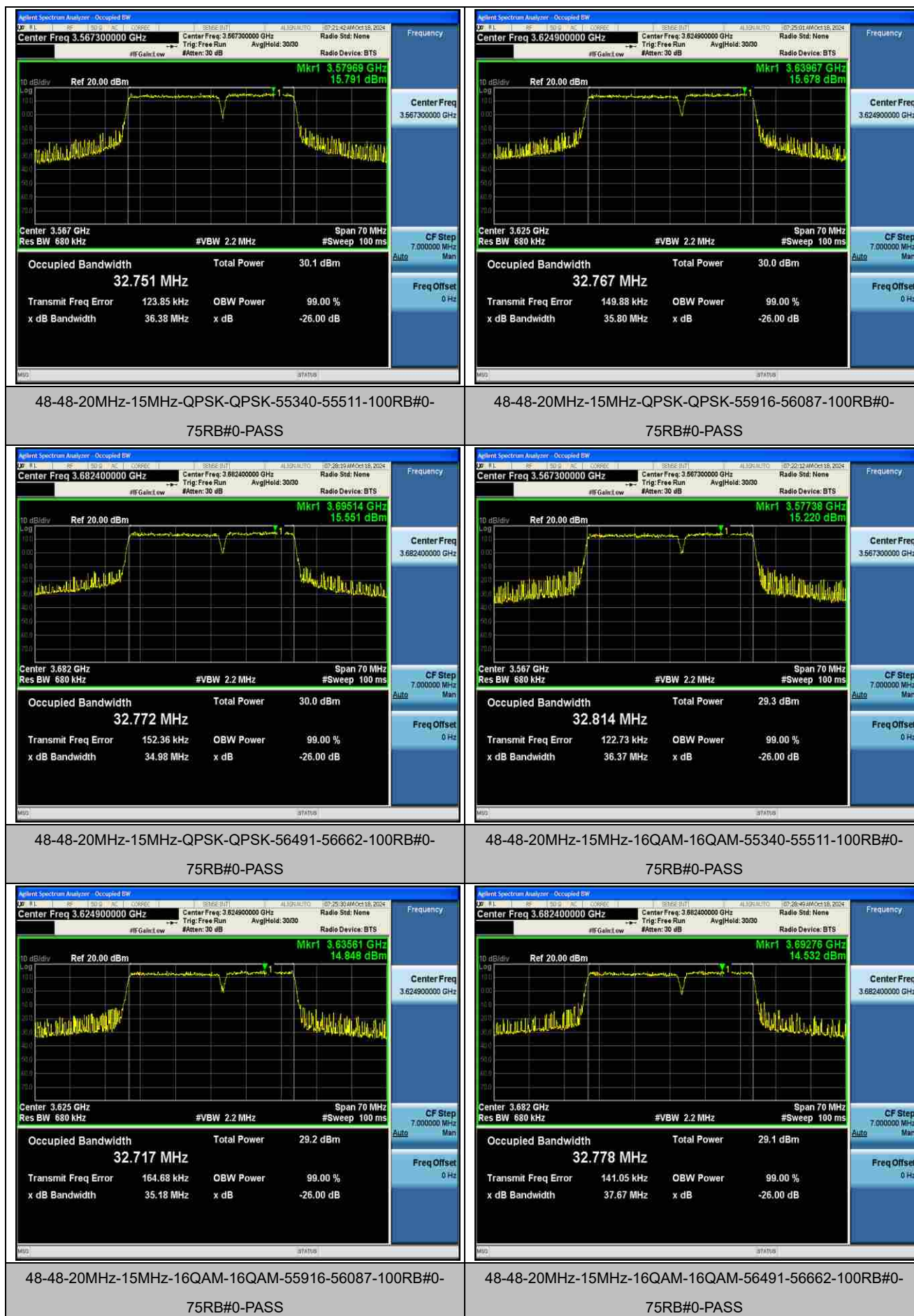
Test Graphs

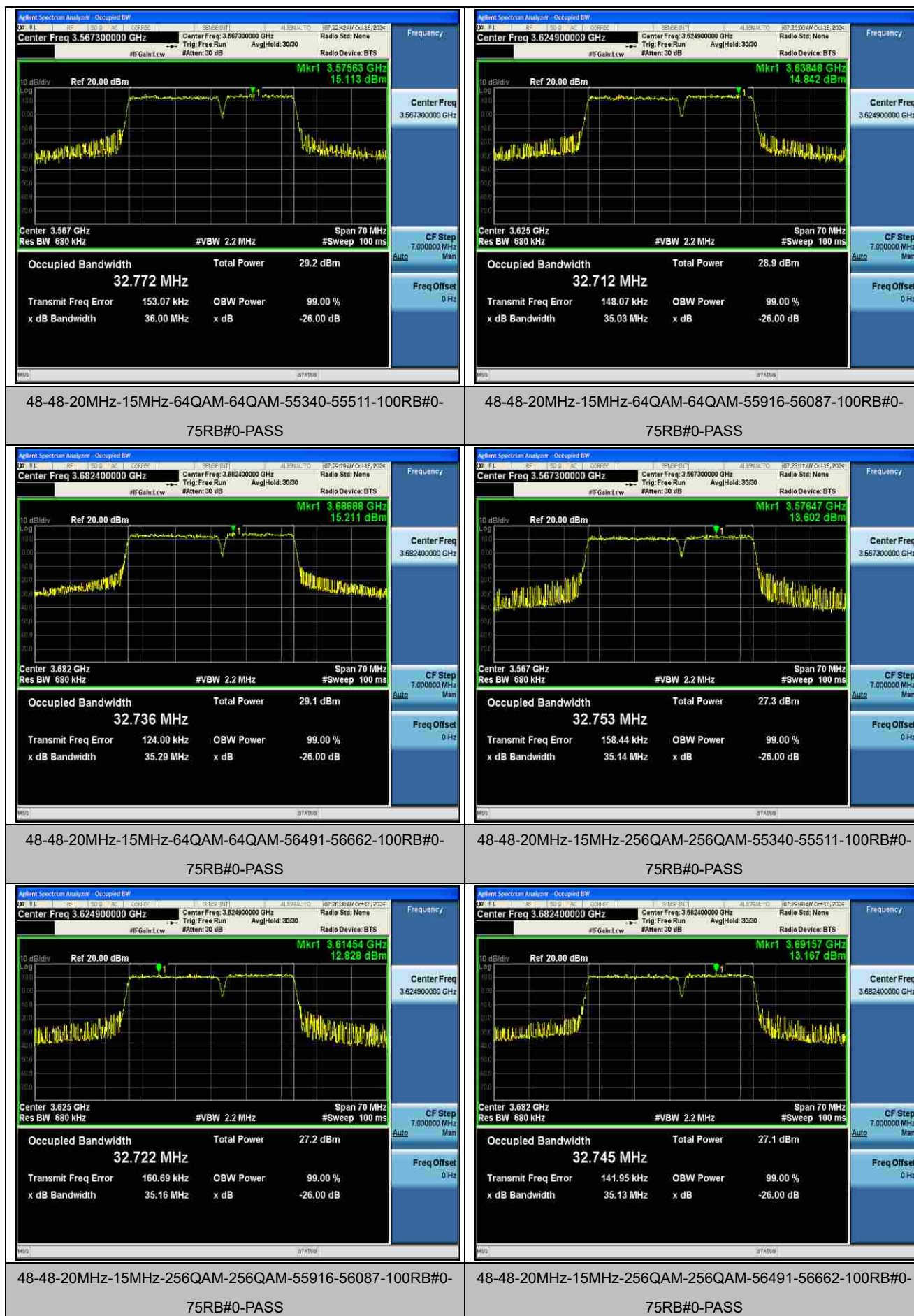


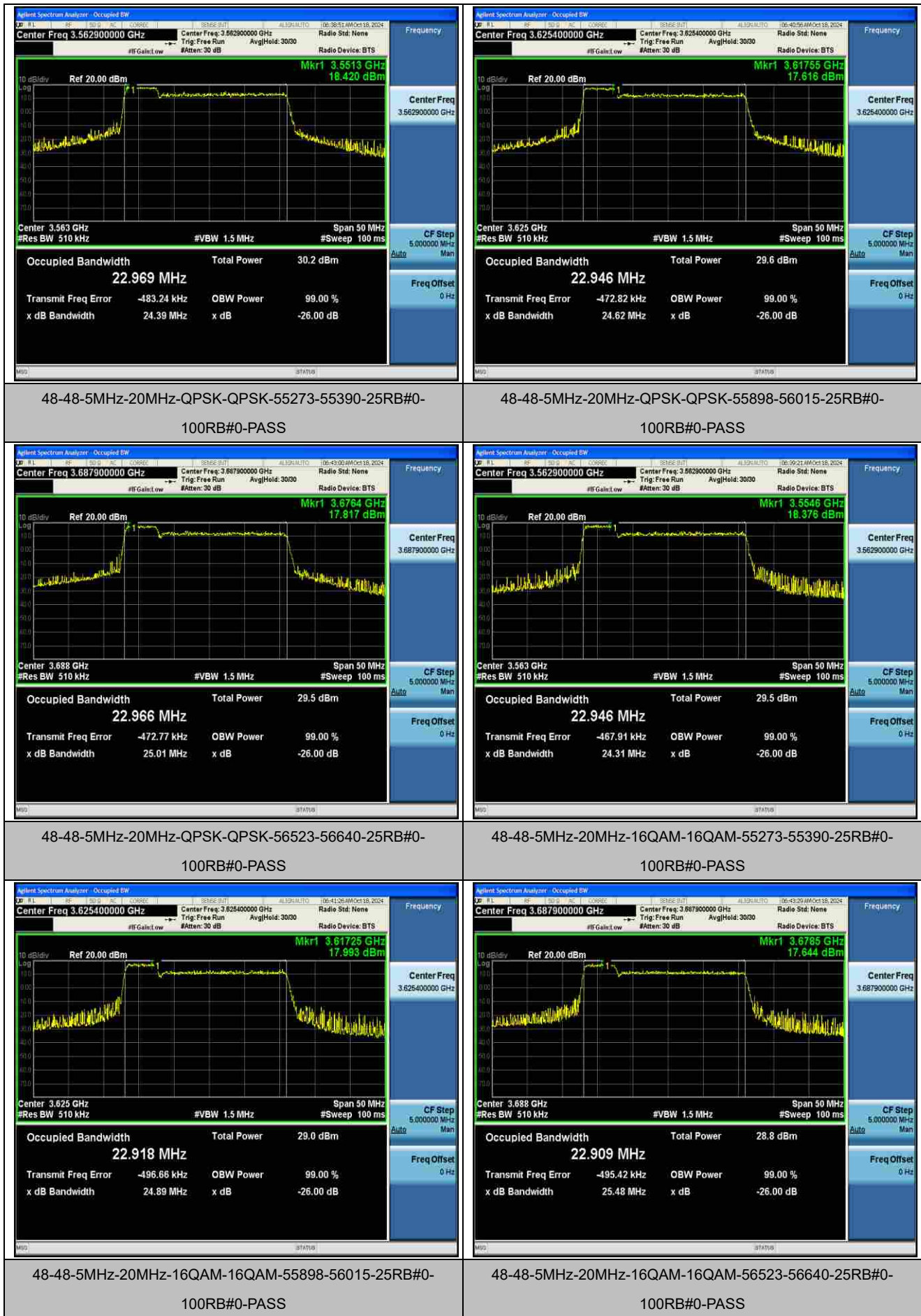


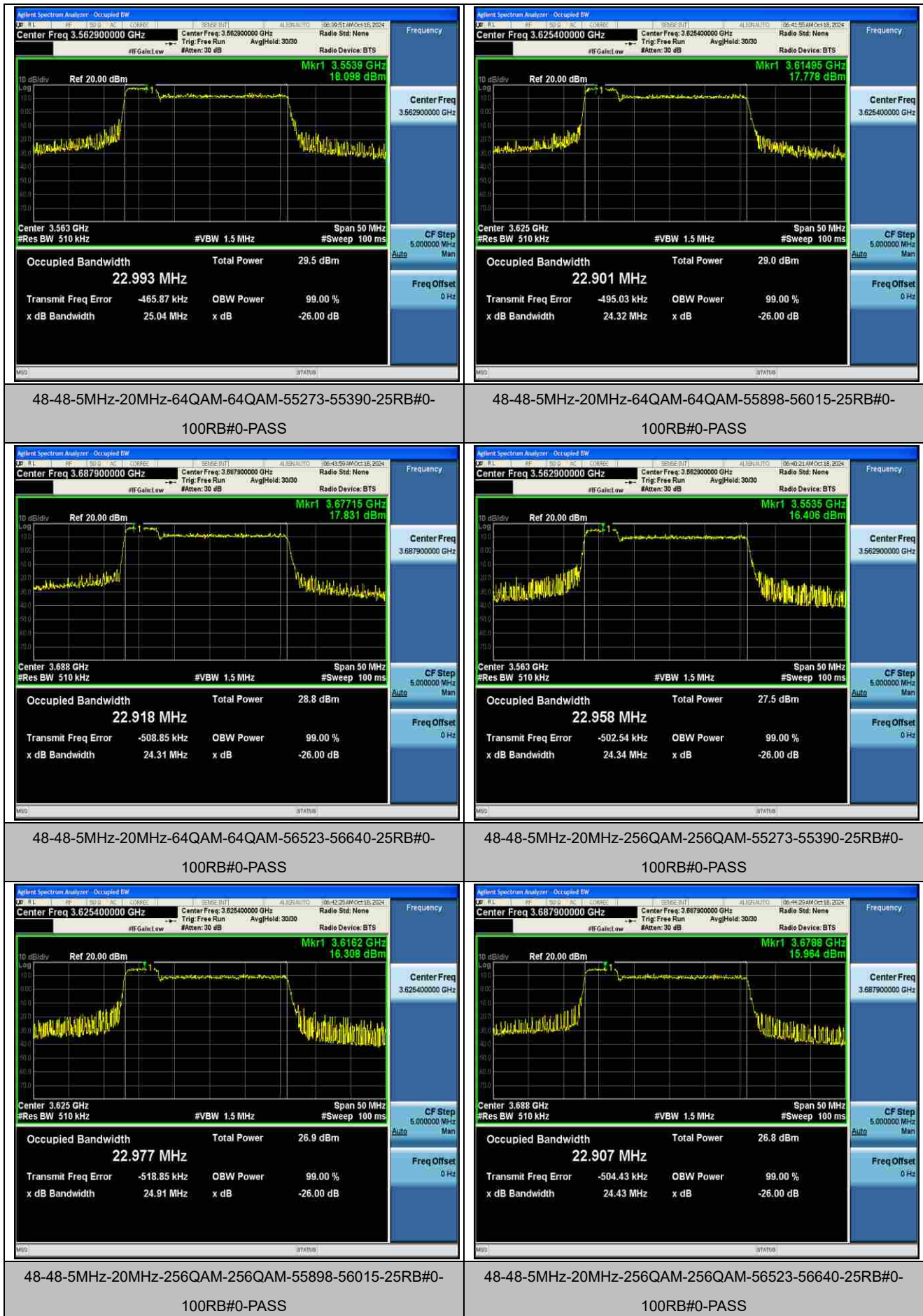


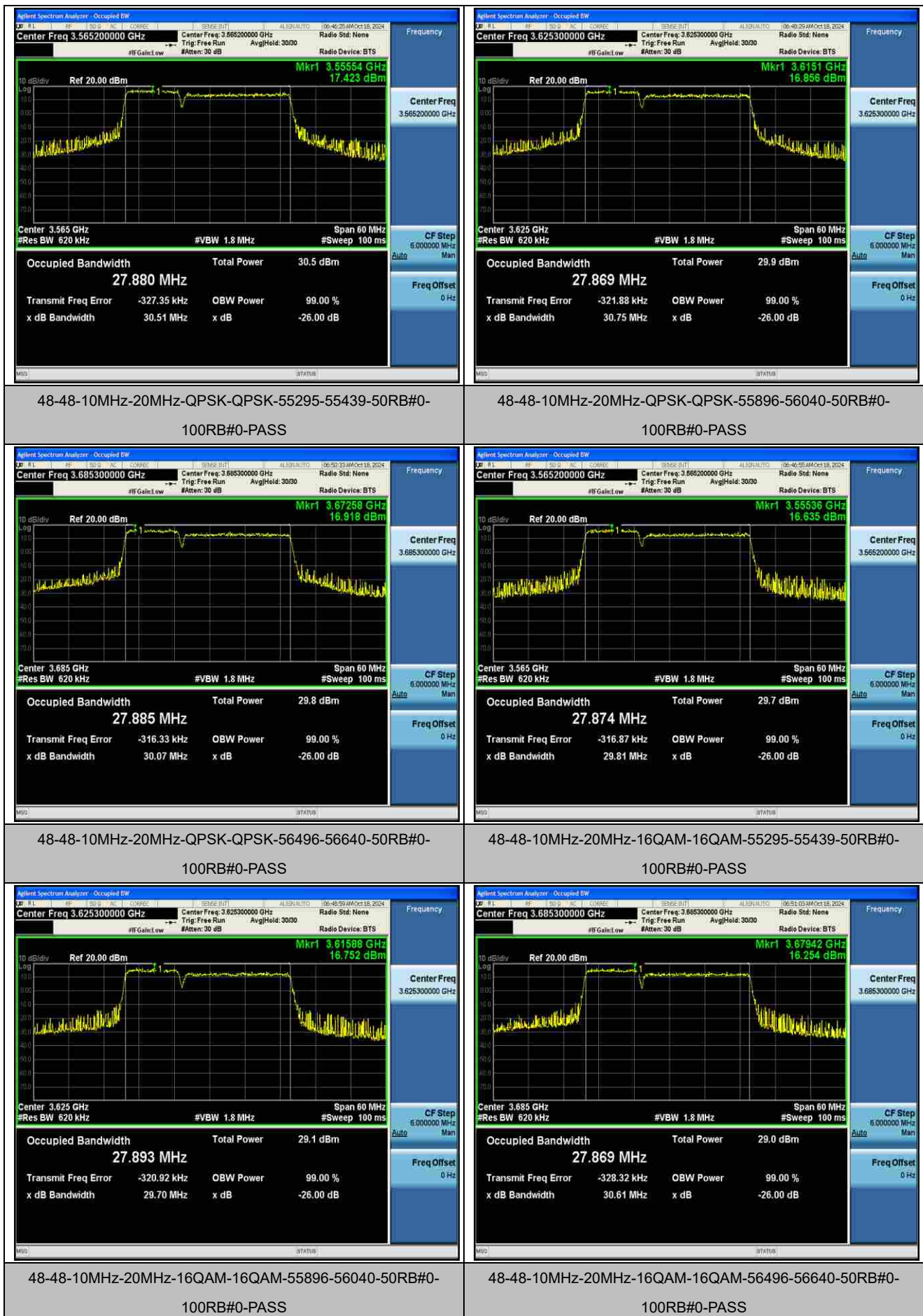


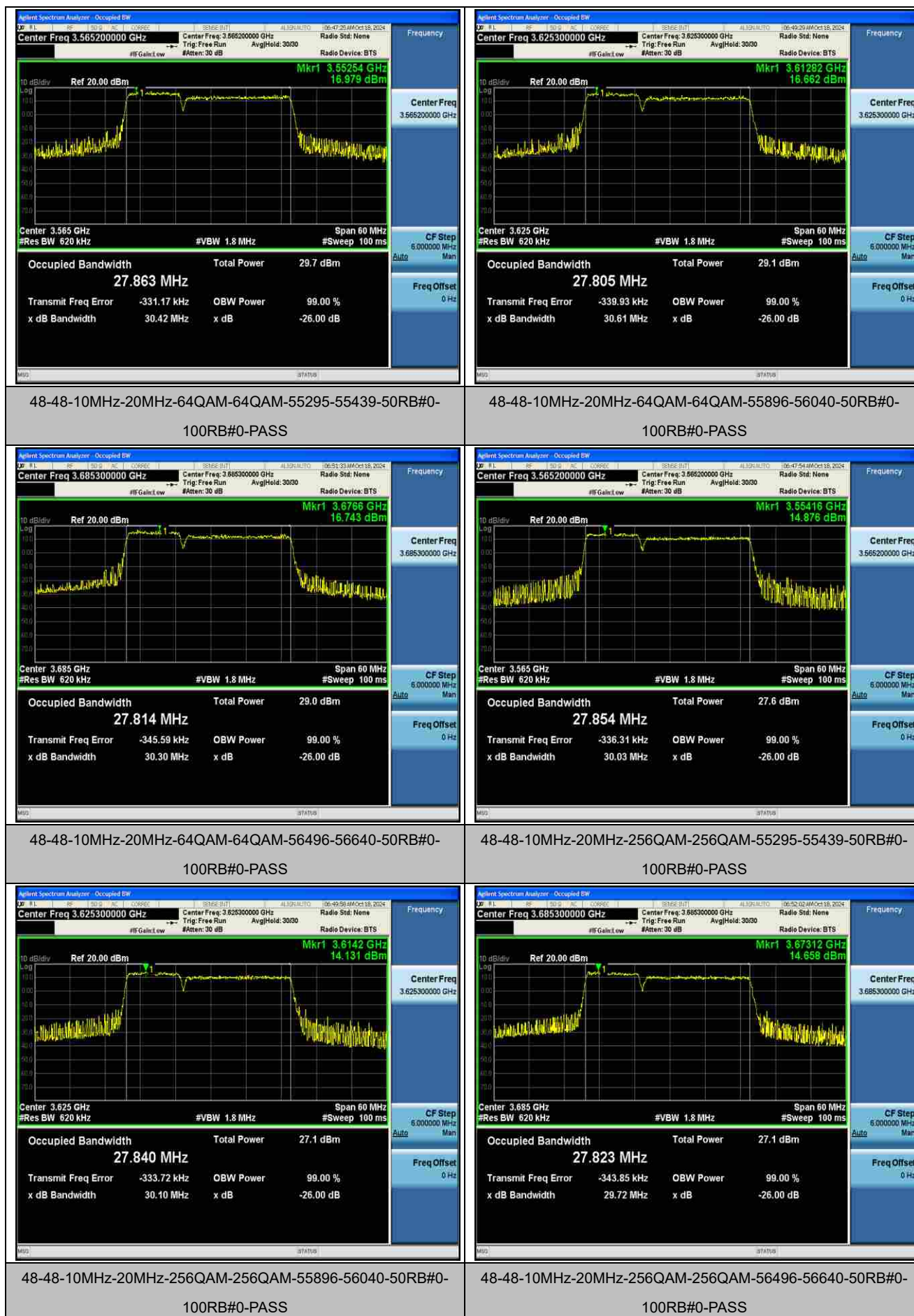


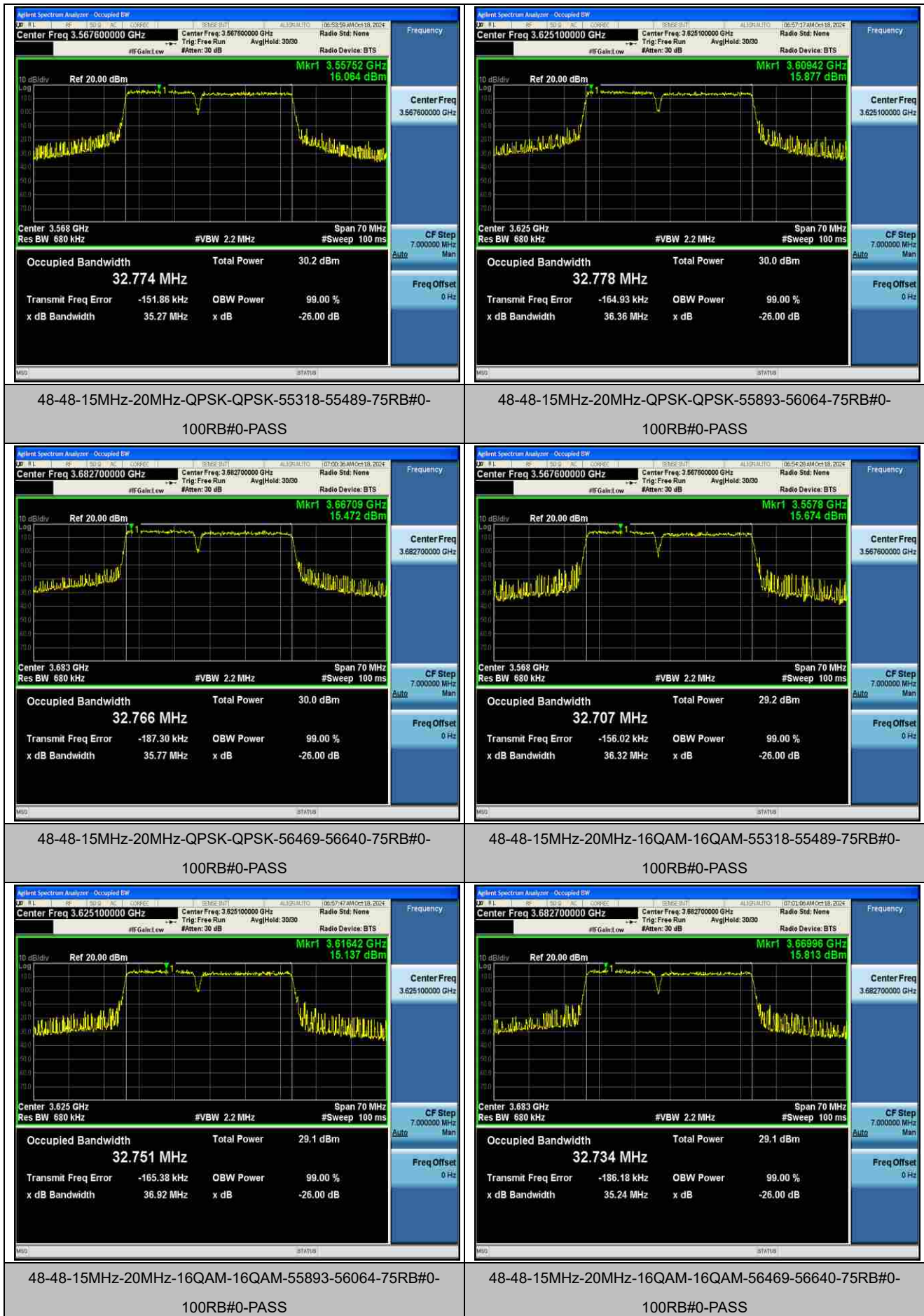


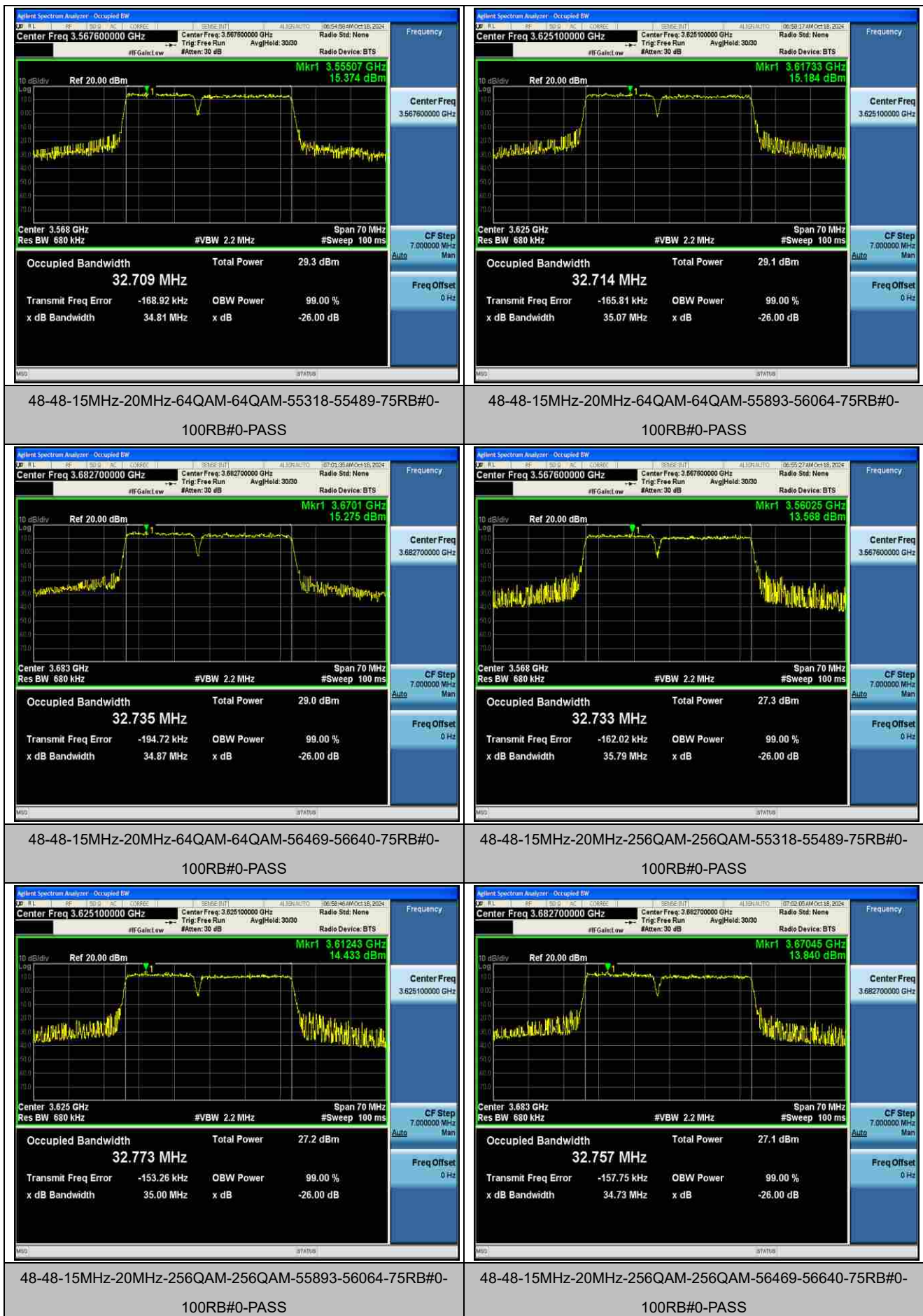


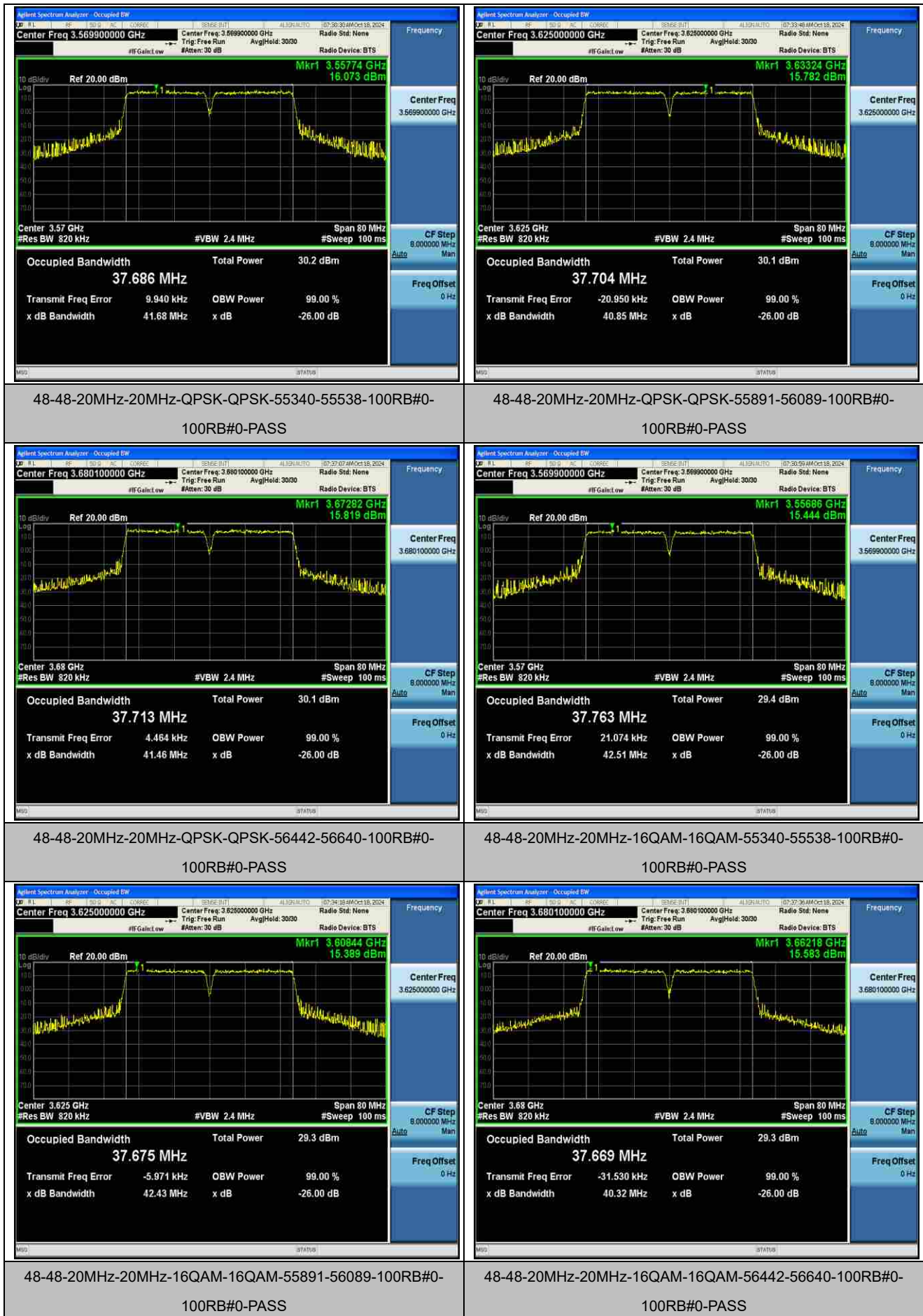


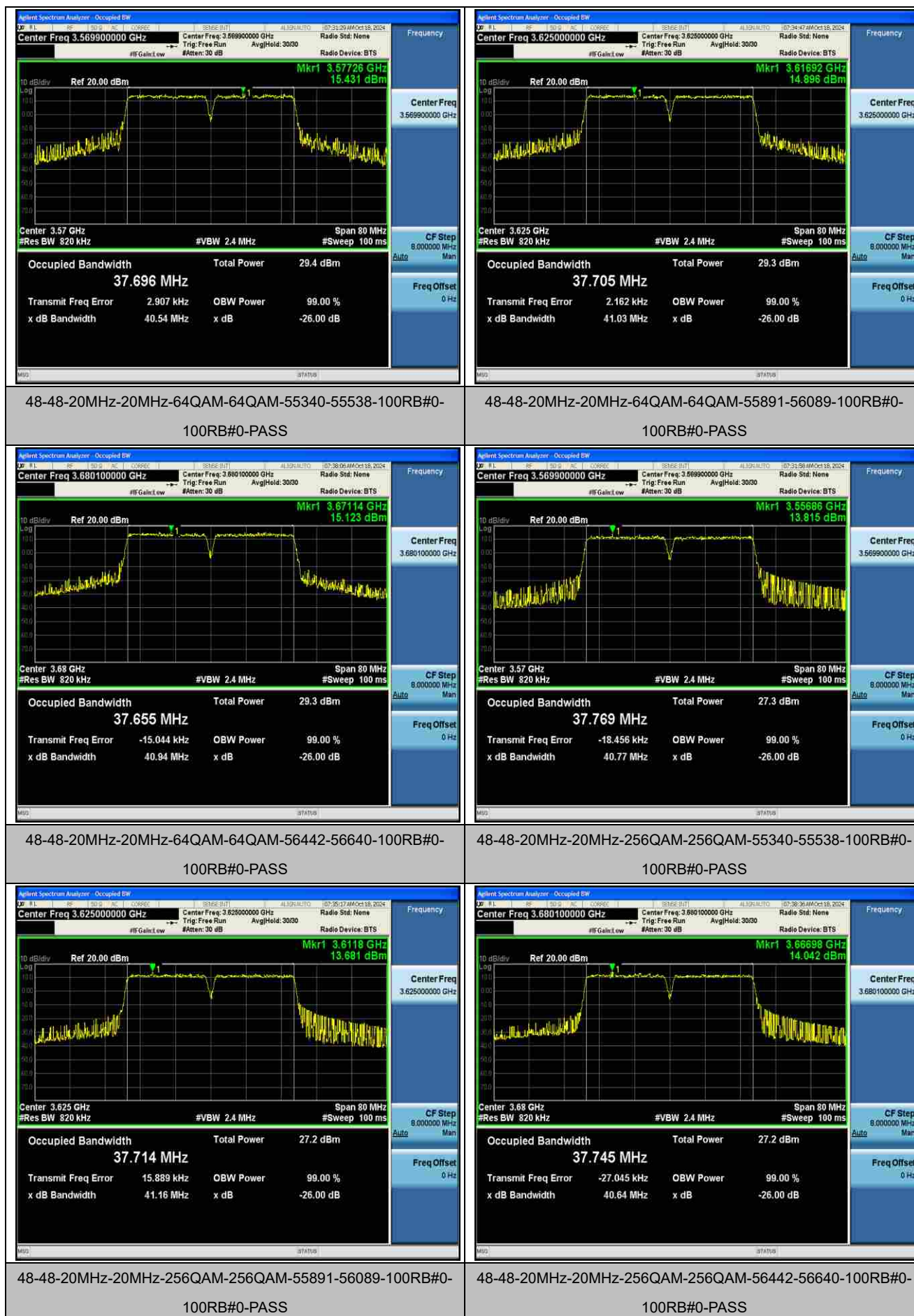






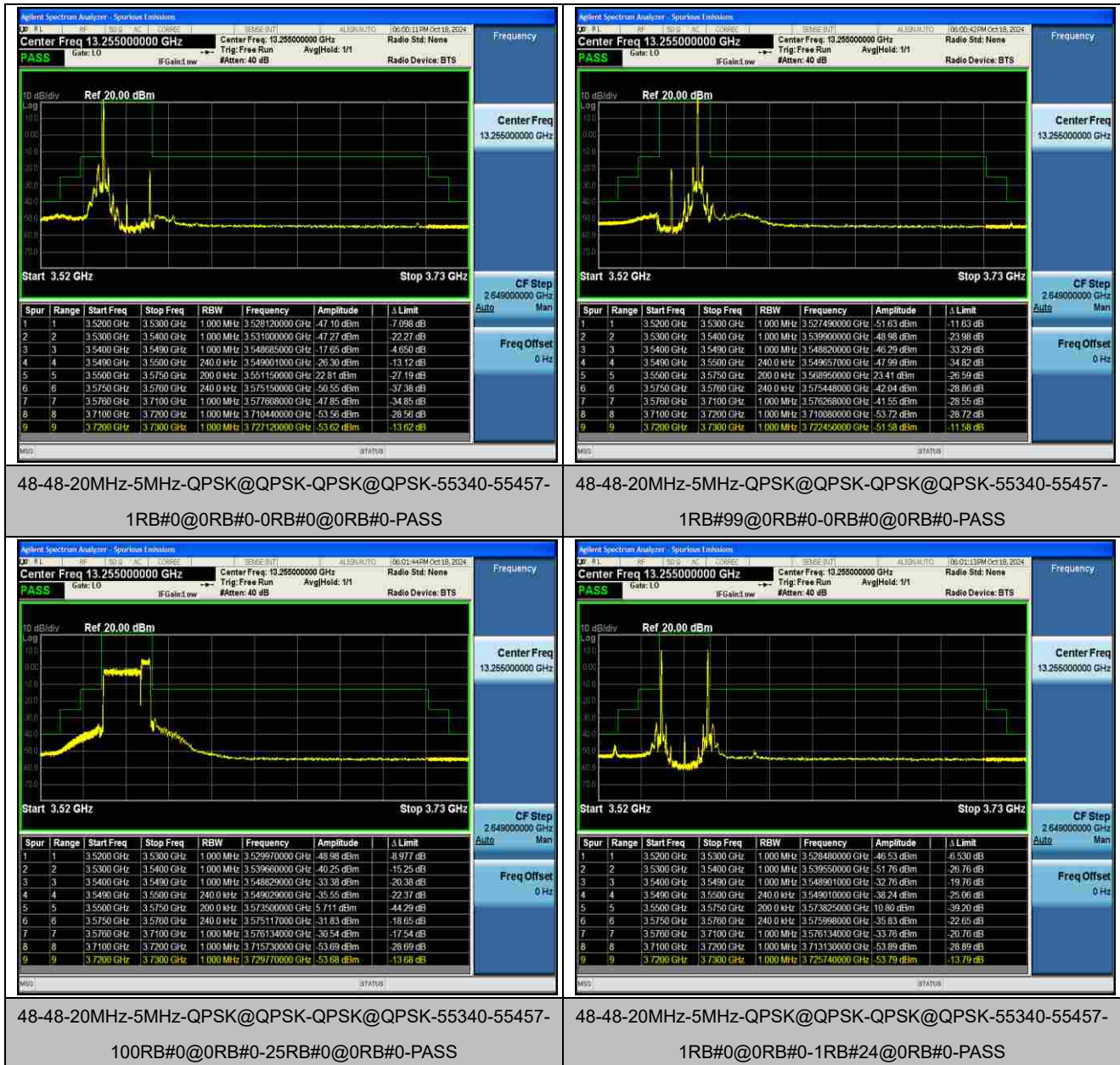


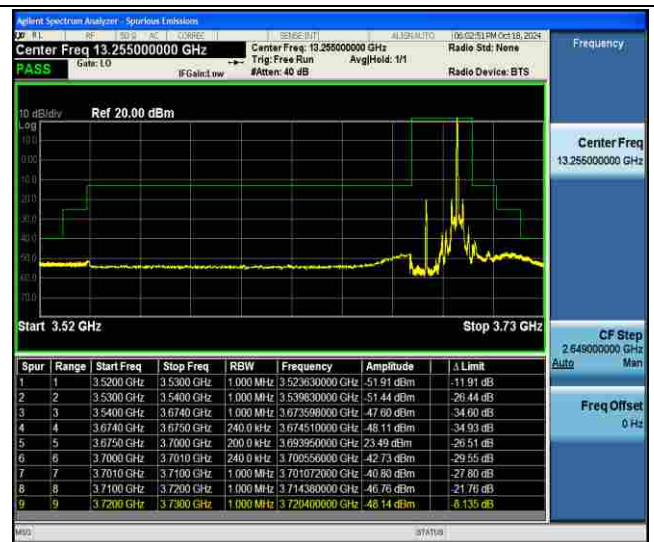




Band Edge

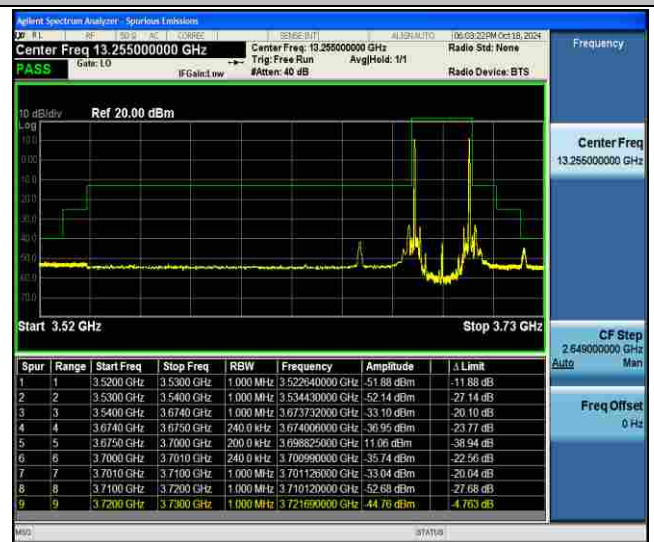
Test Graphs





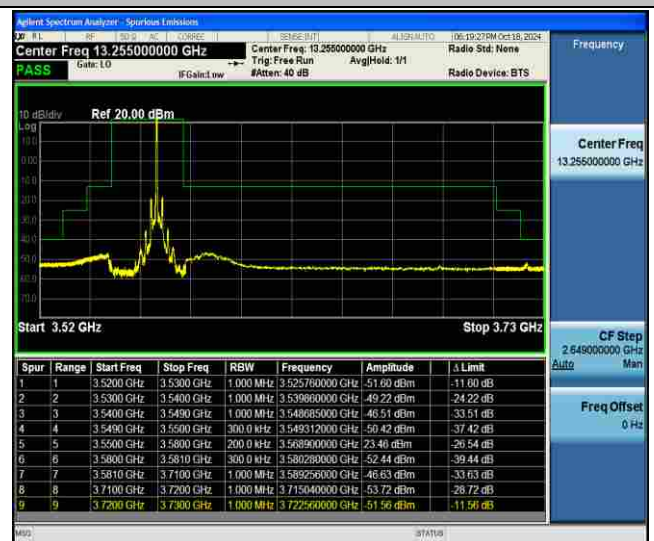
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1RB#0@0RB#0-0RB#0@0RB#0-PASS

48-48-20MHz-5MHz-QPSK@QPSK-QPSK@QPSK-56590-56707-
1RB#99@0RB#0-0RB#0@0RB#0-PASS



48-48-20MHz-5MHz-QPSK@QPSK-QPSK@QPSK-56590-56707-
100RB#0@0RB#0-25RB#0@0RB#0-PASS

48-48-20MHz-5MHz-QPSK@QPSK-QPSK@QPSK-56590-56707-
1RB#0@0RB#0-1RB#24@0RB#0-PASS

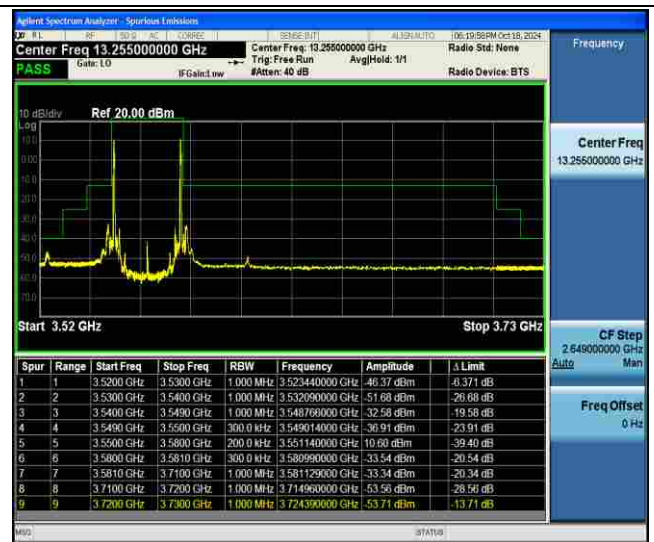


48-48-20MHz-10MHz-QPSK@QPSK-QPSK@QPSK-55340-
55484-1RB#0@0RB#0-0RB#0@0RB#0-PASS

48-48-20MHz-10MHz-QPSK@QPSK-QPSK@QPSK-55340-
55484-1RB#99@0RB#0-0RB#0@0RB#0-PASS



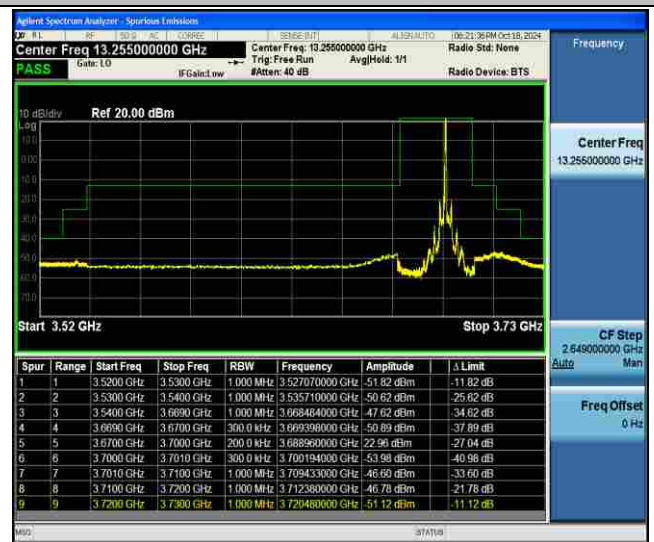
48-48-20MHz-10MHz-QPSK@QPSK-QPSK@QPSK-55340-
55484-100RB#0@0RB#0-50RB#0@0RB#0-PASS



48-48-20MHz-10MHz-QPSK@QPSK-QPSK@QPSK-55340-
55484-1RB#0@0RB#0-1RB#49@0RB#0-PASS



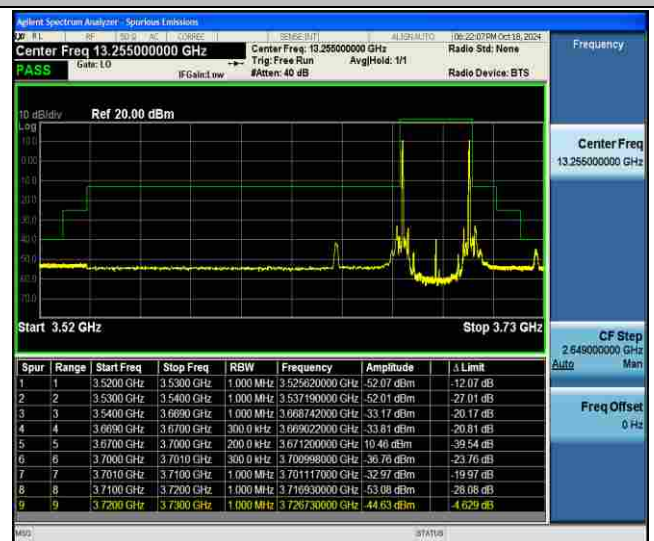
48-48-20MHz-10MHz-QPSK@QPSK-QPSK@QPSK-56541-
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48-48-20MHz-10MHz-QPSK@QPSK-QPSK@QPSK-56541-
56685-1RB#99@0RB#0-0RB#0@0RB#0-PASS



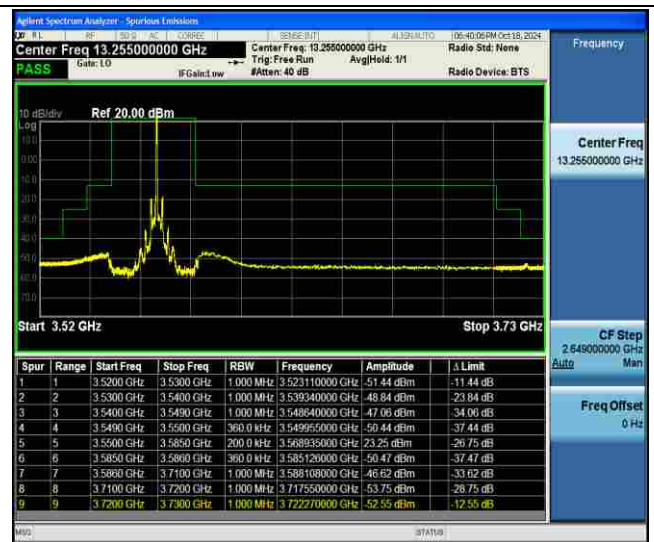
48-48-20MHz-10MHz-QPSK@QPSK-QPSK@QPSK-56541-
56685-100RB#0@0RB#0-50RB#0@0RB#0-PASS



48-48-20MHz-10MHz-QPSK@QPSK-QPSK@QPSK-56541-
56685-1RB#0@0RB#0-1RB#49@0RB#0-PASS



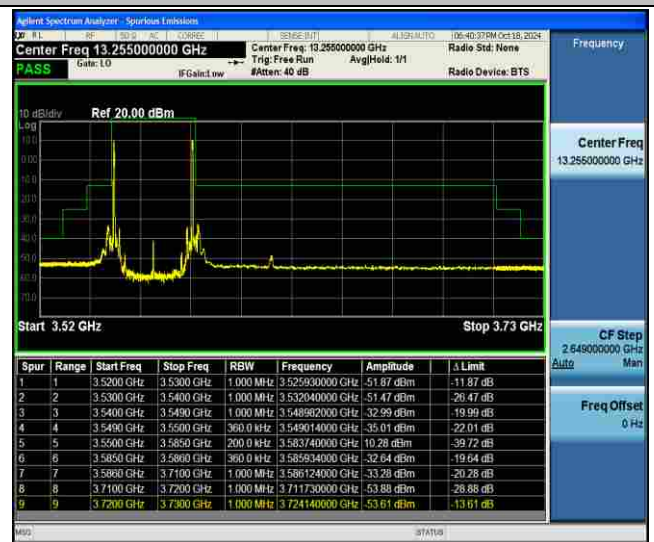
48-48-20MHz-15MHz-QPSK@QPSK-QPSK@QPSK-55340-
55511-1RB#0@0RB#0-0RB#0RB#0-PASS



48-48-20MHz-15MHz-QPSK@QPSK-QPSK@QPSK-55340-
55511-1RB#99@0RB#0-0RB#0@0RB#0-PASS



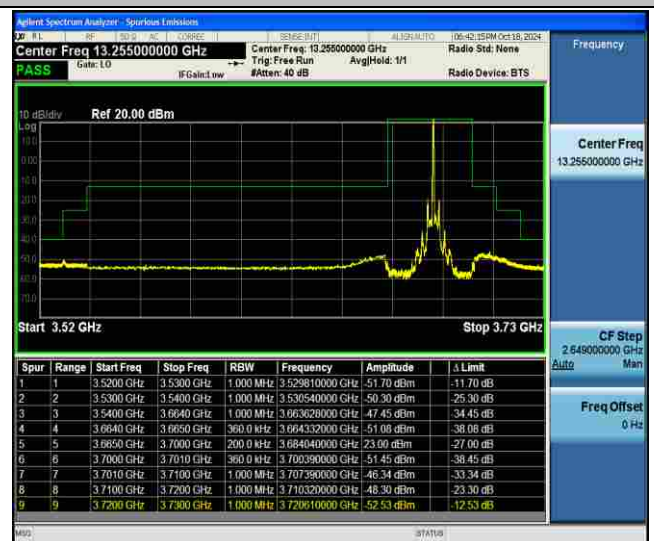
48-48-20MHz-15MHz-QPSK@QPSK-QPSK@QPSK-55340-
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48-48-20MHz-15MHz-QPSK@QPSK-QPSK@QPSK-55340-
55511-1RB#0@0RB#0-1RB#74@0RB#0-PASS



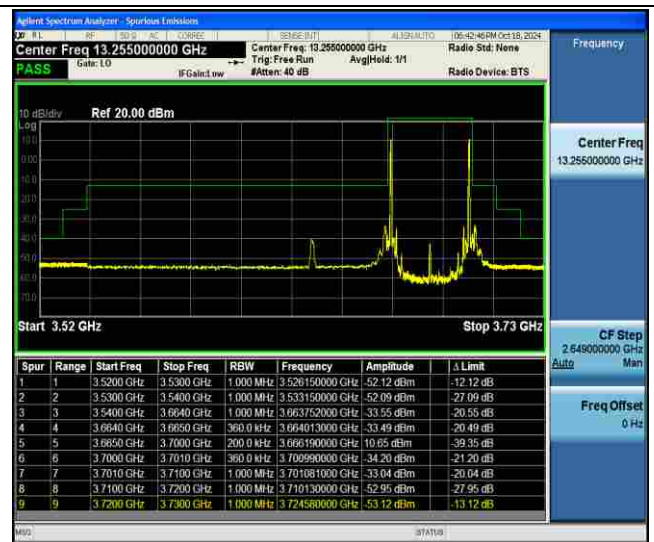
48-48-20MHz-15MHz-QPSK@QPSK-QPSK@QPSK-56491-
56662-1RB#0@0RB#0-0RB#0RB#0-PASS



48-48-20MHz-15MHz-QPSK@QPSK-QPSK@QPSK-56491-
56662-1RB#99@0RB#0-0RB#0@0RB#0-PASS



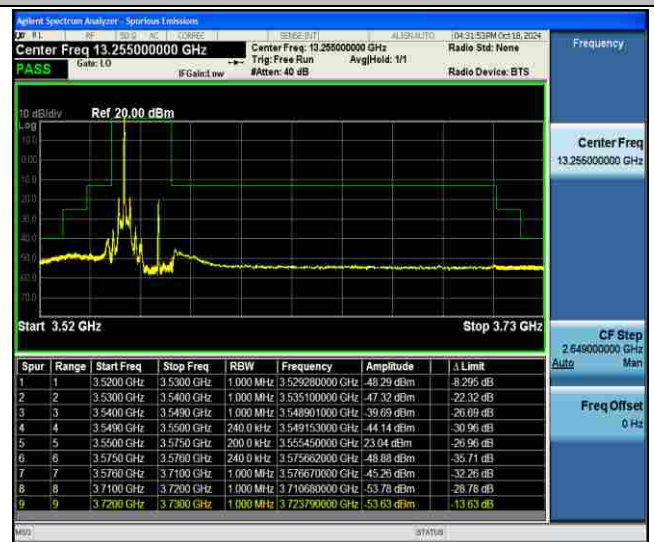
48-48-20MHz-15MHz-QPSK@QPSK-QPSK@QPSK-56491-
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48-48-20MHz-15MHz-QPSK@QPSK-QPSK@QPSK-56491-
56662-1RB#0@0RB#0-1RB#74@0RB#0-PASS



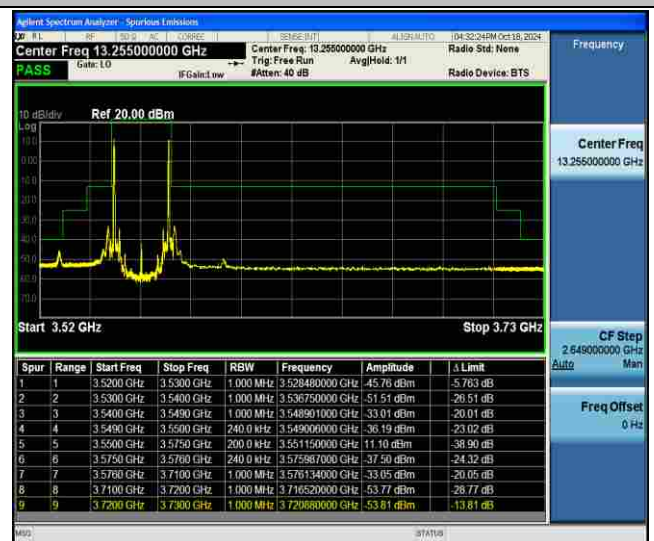
48-48-5MHz-20MHz-QPSK@QPSK-QPSK@QPSK-55273-55390-
1RB#0@0RB#0-0RB#0@0RB#0-PASS



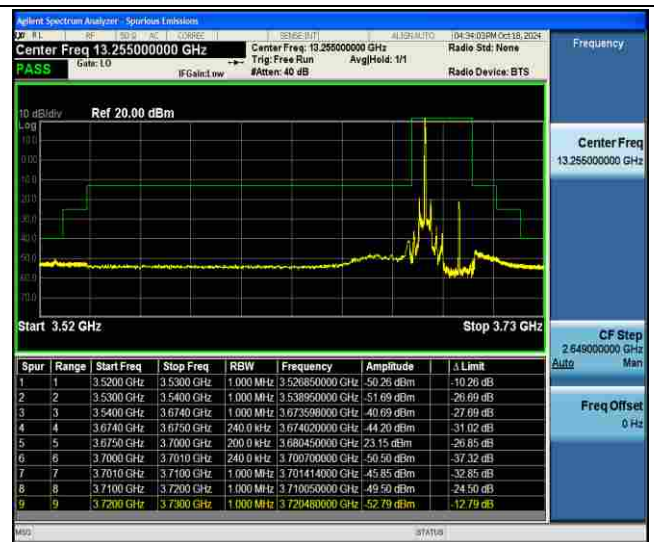
48-48-5MHz-20MHz-QPSK@QPSK-QPSK@QPSK-55273-55390-
1RB#24@0RB#0-0RB#0@0RB#0-PASS



48-48-5MHz-20MHz-QPSK@QPSK-QPSK@QPSK-55273-55390-
25RB#0@0RB#0-100RB#0@0RB#0-PASS

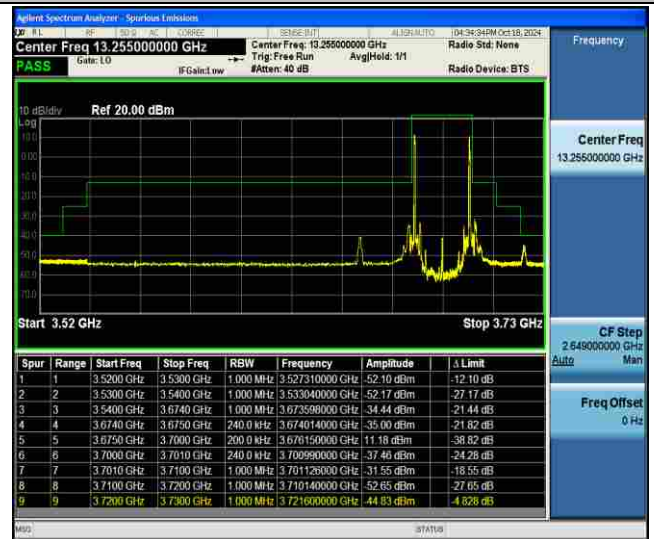
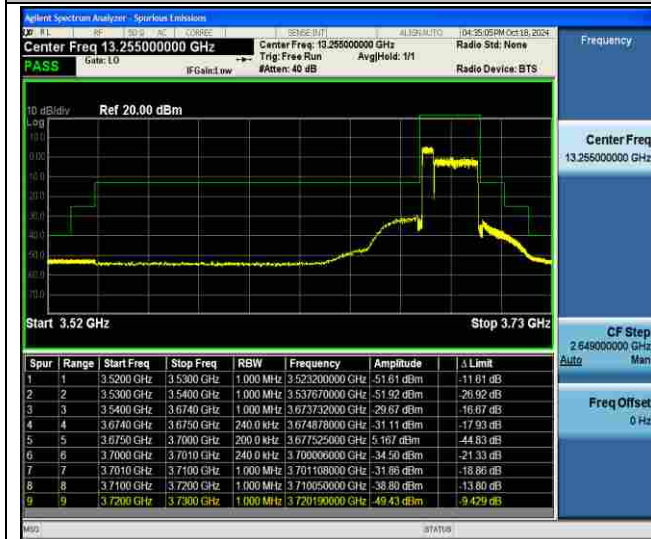


48-48-5MHz-20MHz-QPSK@QPSK-QPSK@QPSK-55273-55390-
1RB#0@0RB#0-1RB#99@0RB#0-PASS



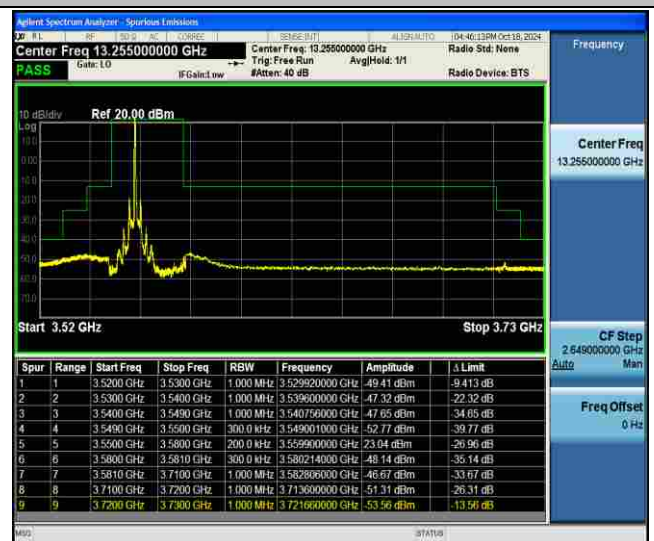
48-48-5MHz-20MHz-QPSK@QPSK-QPSK@QPSK-56523-56640-
1RB#0@0RB#0-0RB#0@0RB#0-PASS

48-48-5MHz-20MHz-QPSK@QPSK-QPSK@QPSK-56523-56640-
1RB#24@0RB#0-0RB#0@0RB#0-PASS



48-48-5MHz-20MHz-QPSK@QPSK-QPSK@QPSK-56523-56640-
25RB#0@0RB#0-100RB#0@0RB#0-PASS

48-48-5MHz-20MHz-QPSK@QPSK-QPSK@QPSK-56523-56640-
1RB#0@0RB#0-1RB#99@0RB#0-PASS

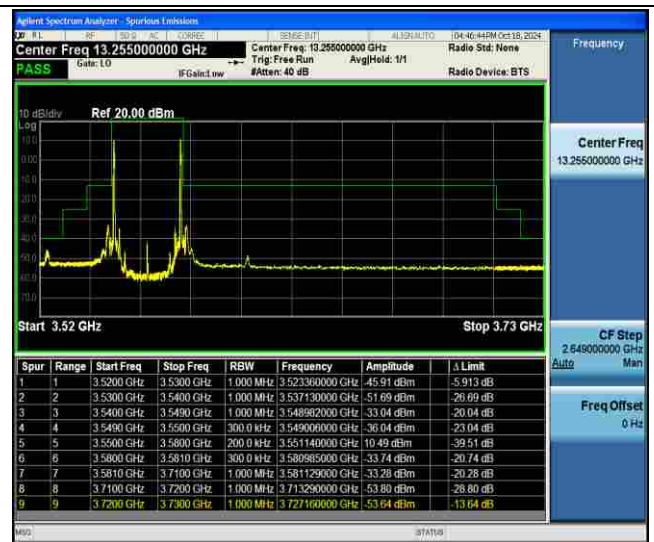


48-48-10MHz-20MHz-QPSK@QPSK-QPSK@QPSK-55295-
55439-1RB#0@0RB#0-0RB#0@0RB#0-PASS

48-48-10MHz-20MHz-QPSK@QPSK-QPSK@QPSK-55295-
55439-1RB#49@0RB#0-0RB#0@0RB#0-PASS



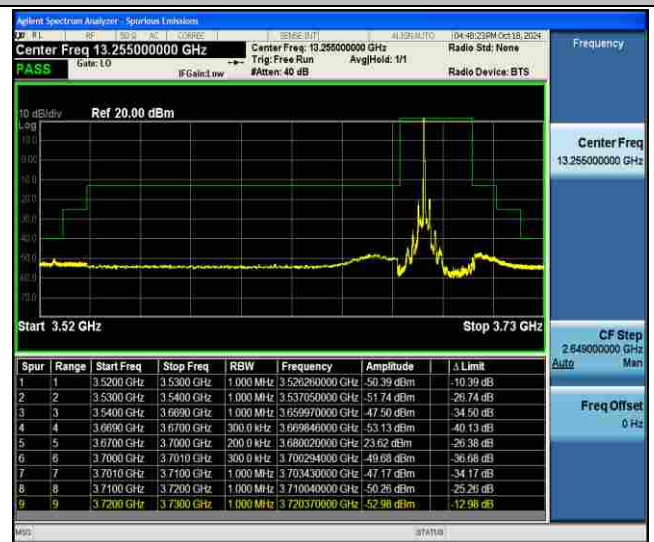
48-48-10MHz-20MHz-QPSK@QPSK-QPSK@QPSK-55295-
55439-50RB#0@ORB#0-100RB#0@ORB#0-PASS



48-48-10MHz-20MHz-QPSK@QPSK-QPSK@QPSK-55295-
55439-1RB#0@ORB#0-1RB#99@ORB#0-PASS



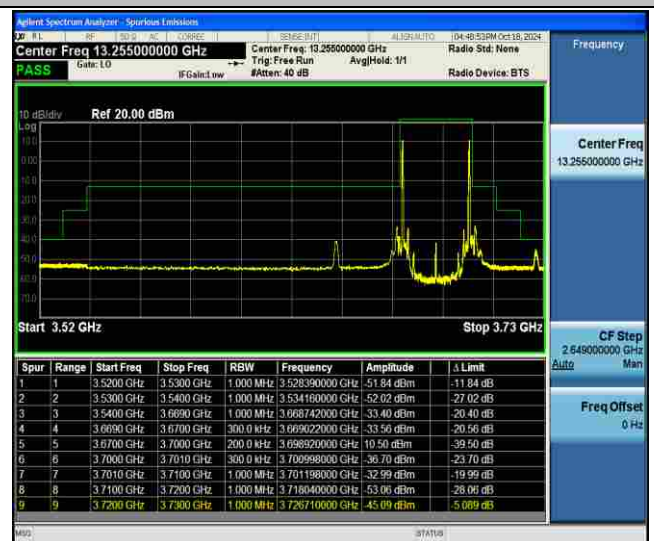
48-48-10MHz-20MHz-QPSK@QPSK-QPSK@QPSK-56496-
56640-1RB#0@ORB#0-0RB#0@ORB#0-PASS



48-48-10MHz-20MHz-QPSK@QPSK-QPSK@QPSK-56496-
56640-1RB#49@ORB#0-0RB#0@ORB#0-PASS



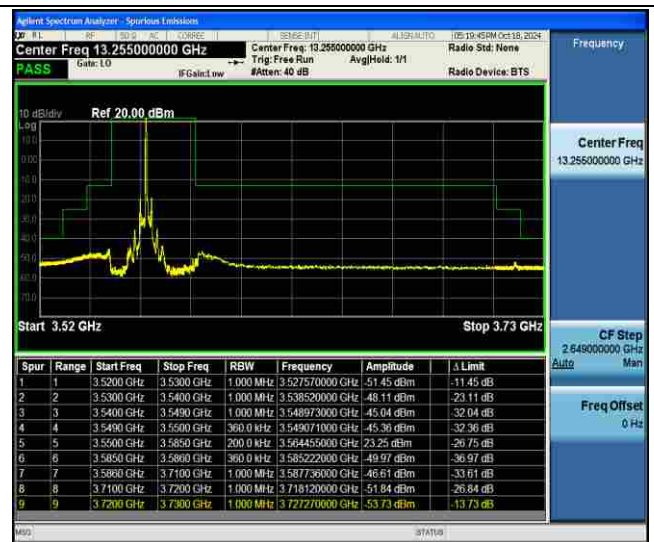
48-48-10MHz-20MHz-QPSK@QPSK-QPSK@QPSK-56496-
56640-50RB#0@ORB#0-100RB#0@ORB#0-PASS



48-48-10MHz-20MHz-QPSK@QPSK-QPSK@QPSK-56496-
56640-1RB#0@ORB#0-1RB#99@ORB#0-PASS



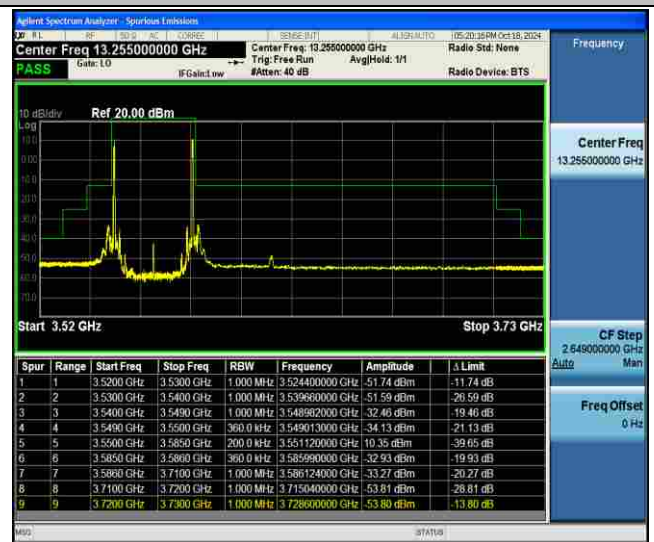
48-48-15MHz-20MHz-QPSK@QPSK-QPSK@QPSK-55318-
55489-1RB#0@0RB#0-0RB#0@0RB#0-PASS



48-48-15MHz-20MHz-QPSK@QPSK-QPSK@QPSK-55318-
55489-1RB#74@0RB#0-0RB#0@0RB#0-PASS



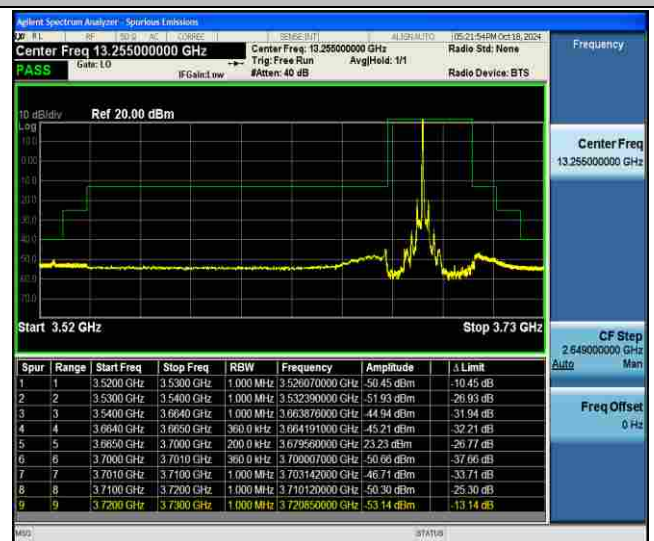
48-48-15MHz-20MHz-QPSK@QPSK-QPSK@QPSK-55318-
55489-75RB#0@0RB#0-100RB#0@0RB#0-PASS



48-48-15MHz-20MHz-QPSK@QPSK-QPSK@QPSK-55318-
55489-1RB#0@0RB#0-1RB#99@0RB#0-PASS



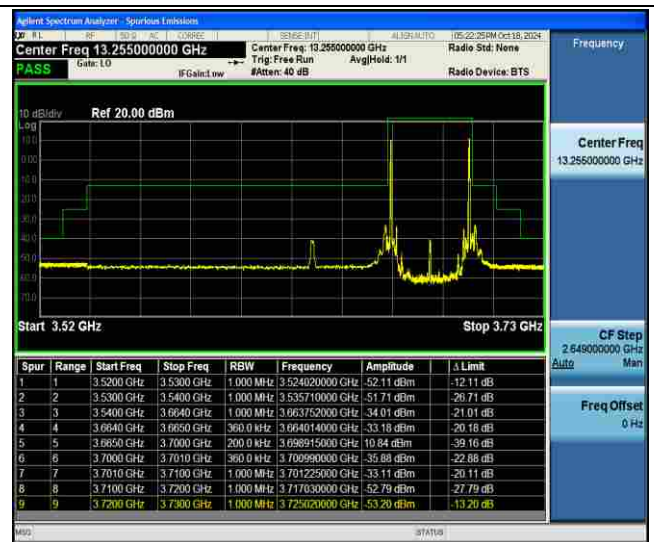
48-48-15MHz-20MHz-QPSK@QPSK-QPSK@QPSK-56469-
56640-1RB#0@0RB#0-0RB#0@0RB#0-PASS



48-48-15MHz-20MHz-QPSK@QPSK-QPSK@QPSK-56469-
56640-1RB#74@0RB#0-0RB#0@0RB#0-PASS



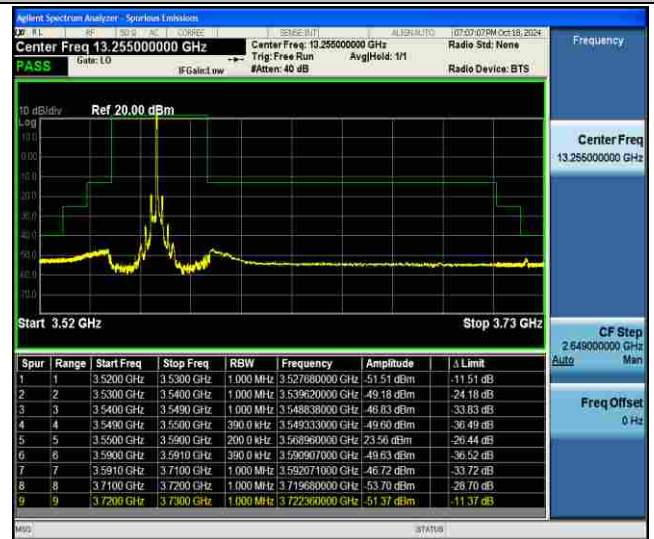
48-48-15MHz-20MHz-QPSK@QPSK-QPSK@QPSK-56469-
56640-75RB#0@ORB#0-100RB#0@ORB#0-PASS



48-48-15MHz-20MHz-QPSK@QPSK-QPSK@QPSK-56469-
56640-1RB#0@ORB#0-1RB#99@ORB#0-PASS



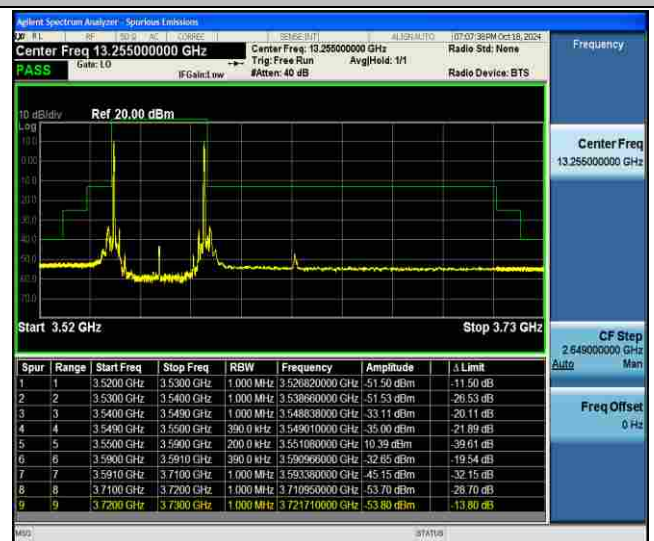
48-48-20MHz-20MHz-QPSK@QPSK-QPSK@QPSK-55340-
55538-1RB#0@ORB#0-0RB#0@ORB#0-PASS



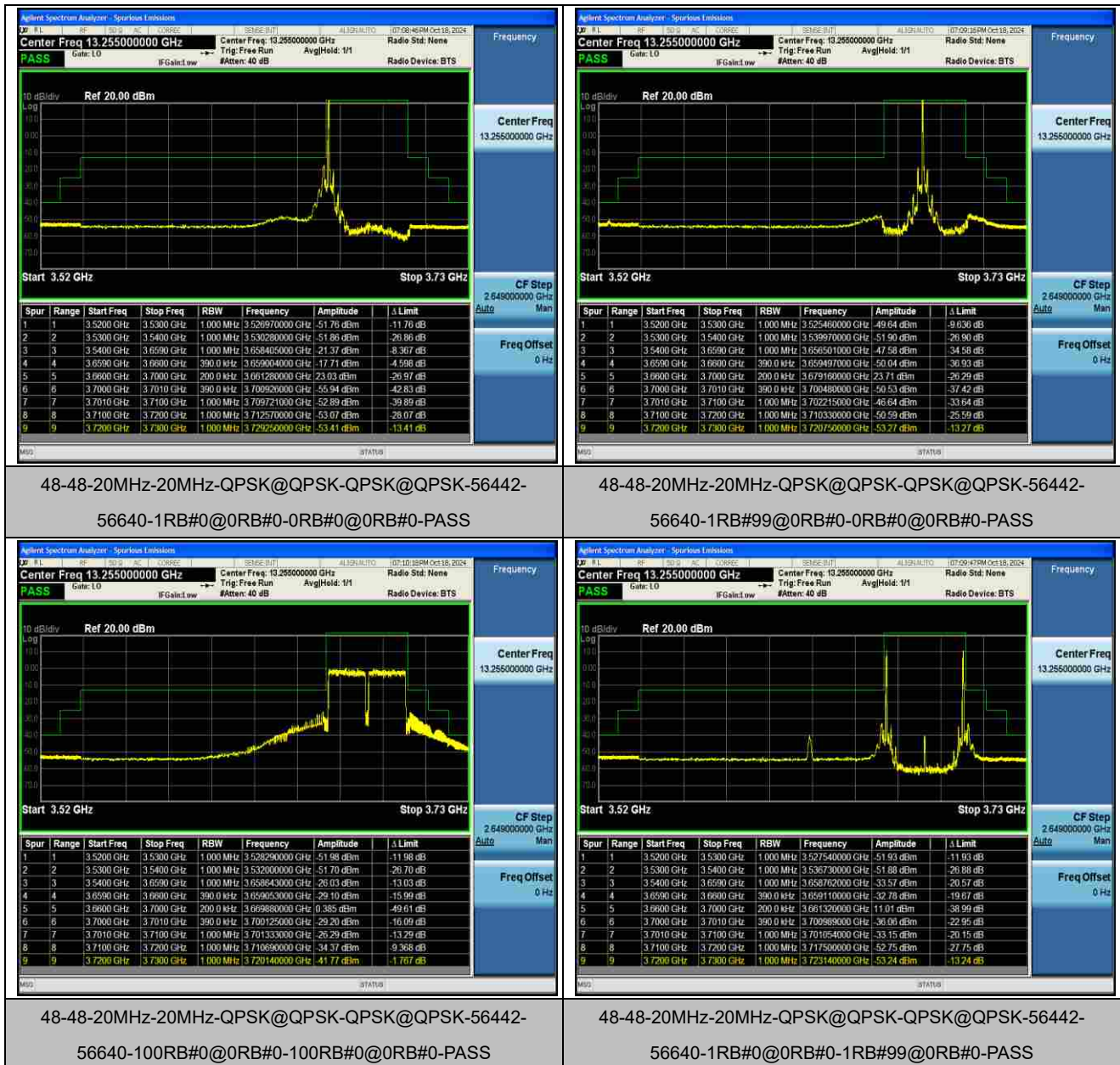
48-48-20MHz-20MHz-QPSK@QPSK-QPSK@QPSK-55340-
55538-1RB#99@ORB#0-0RB#0@ORB#0-PASS



48-48-20MHz-20MHz-QPSK@QPSK-QPSK@QPSK-55340-
55538-100RB#0@ORB#0-100RB#0@ORB#0-PASS

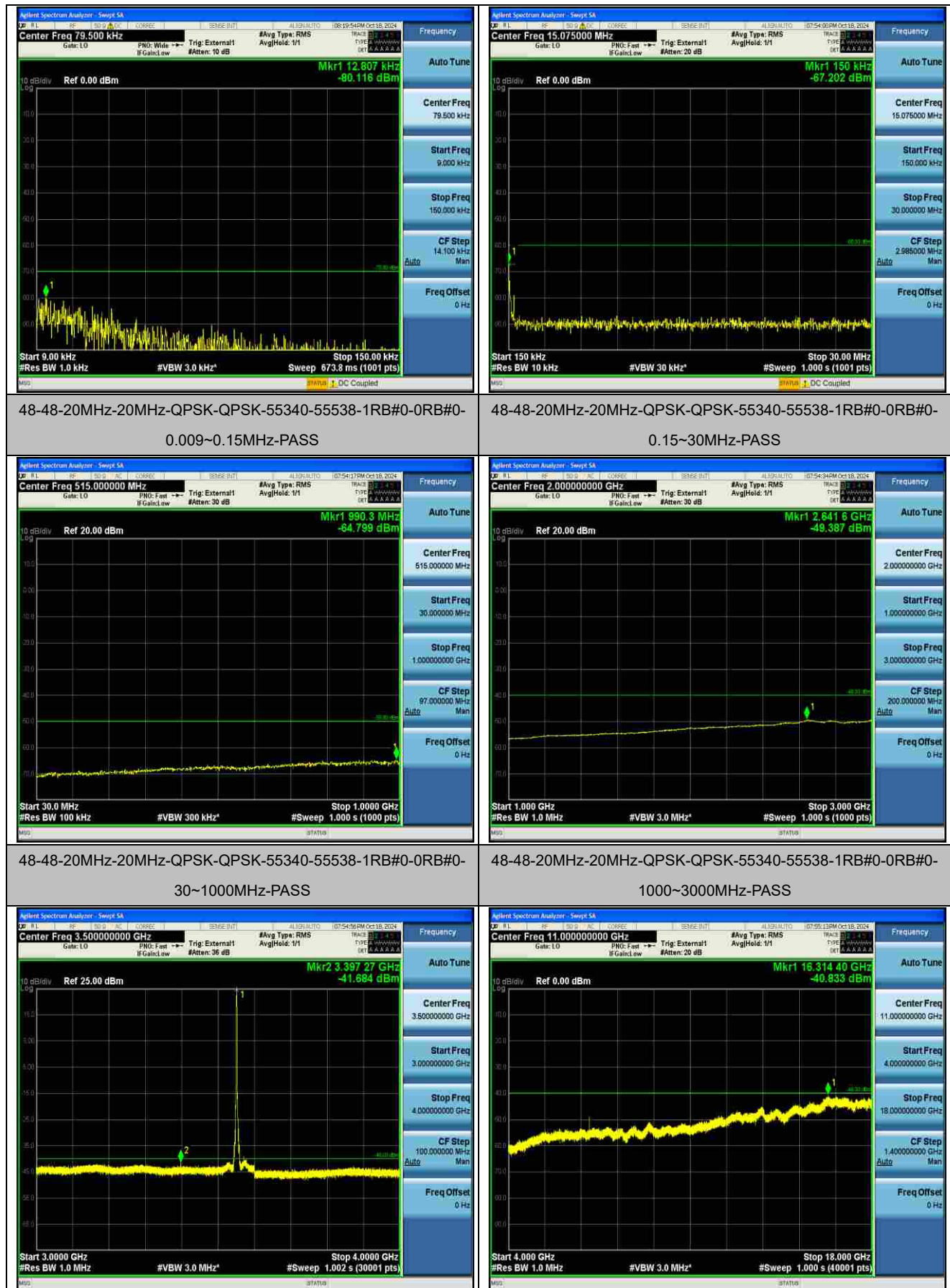


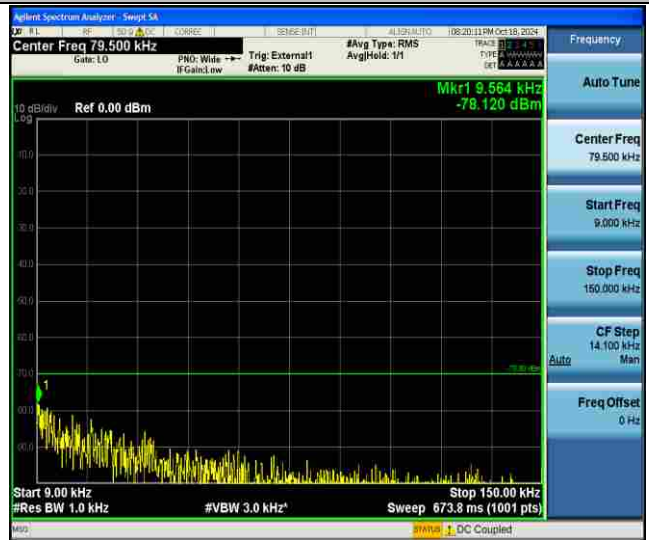
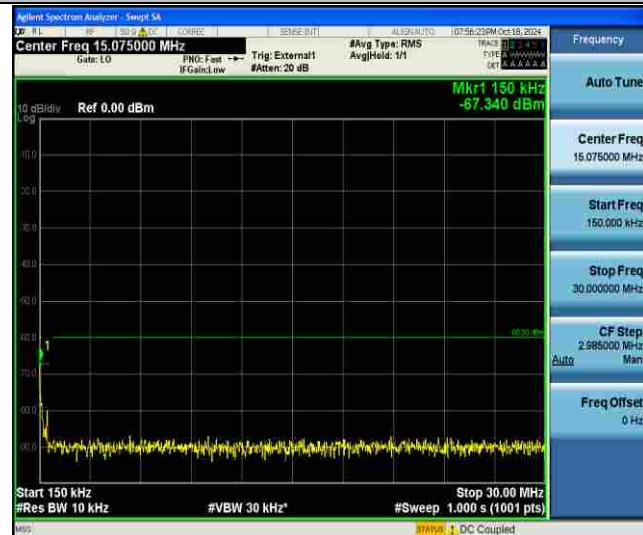
48-48-20MHz-20MHz-QPSK@QPSK-QPSK@QPSK-55340-
55538-1RB#0@ORB#0-1RB#99@ORB#0-PASS



Conducted Spurious Emission

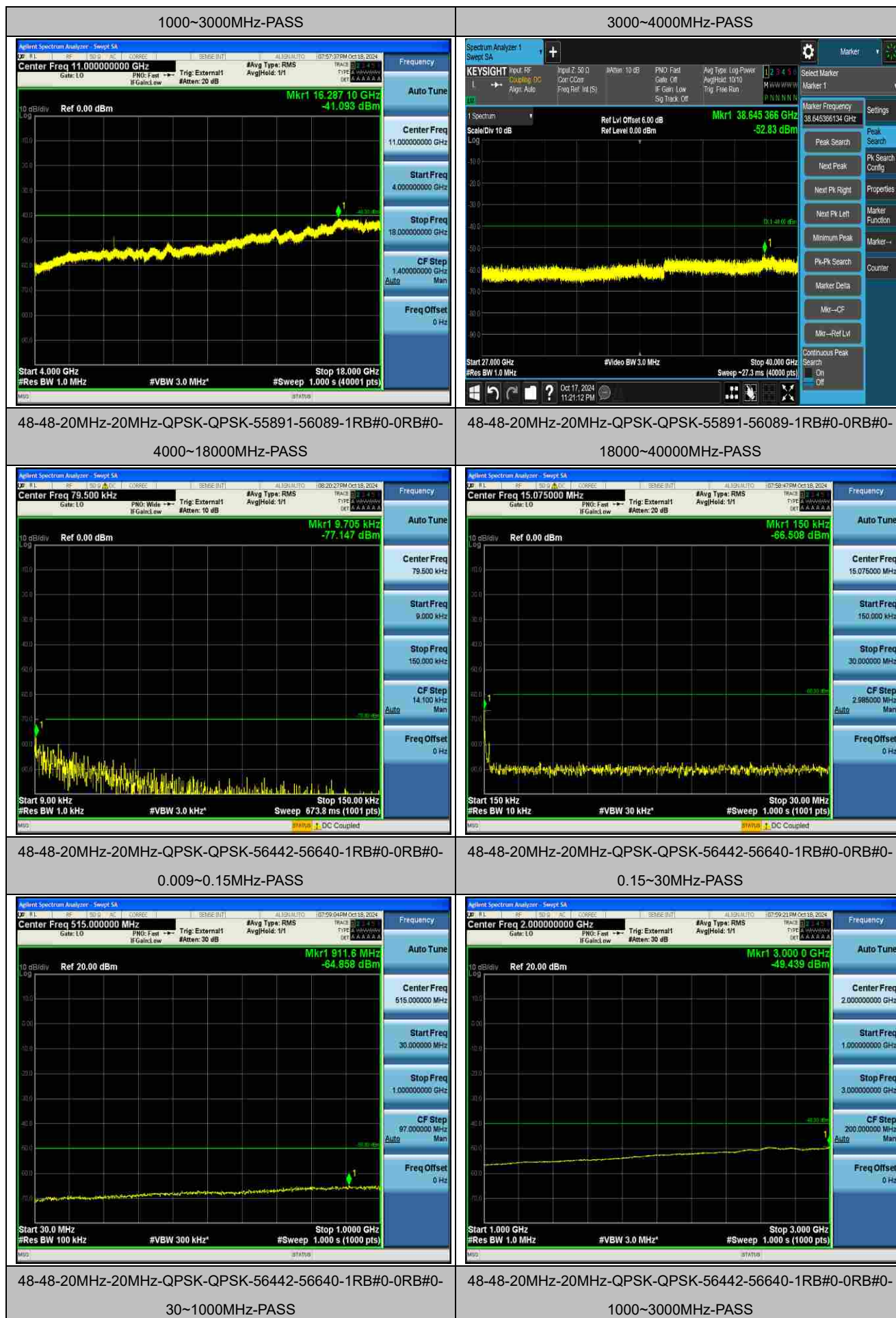
Test Graphs

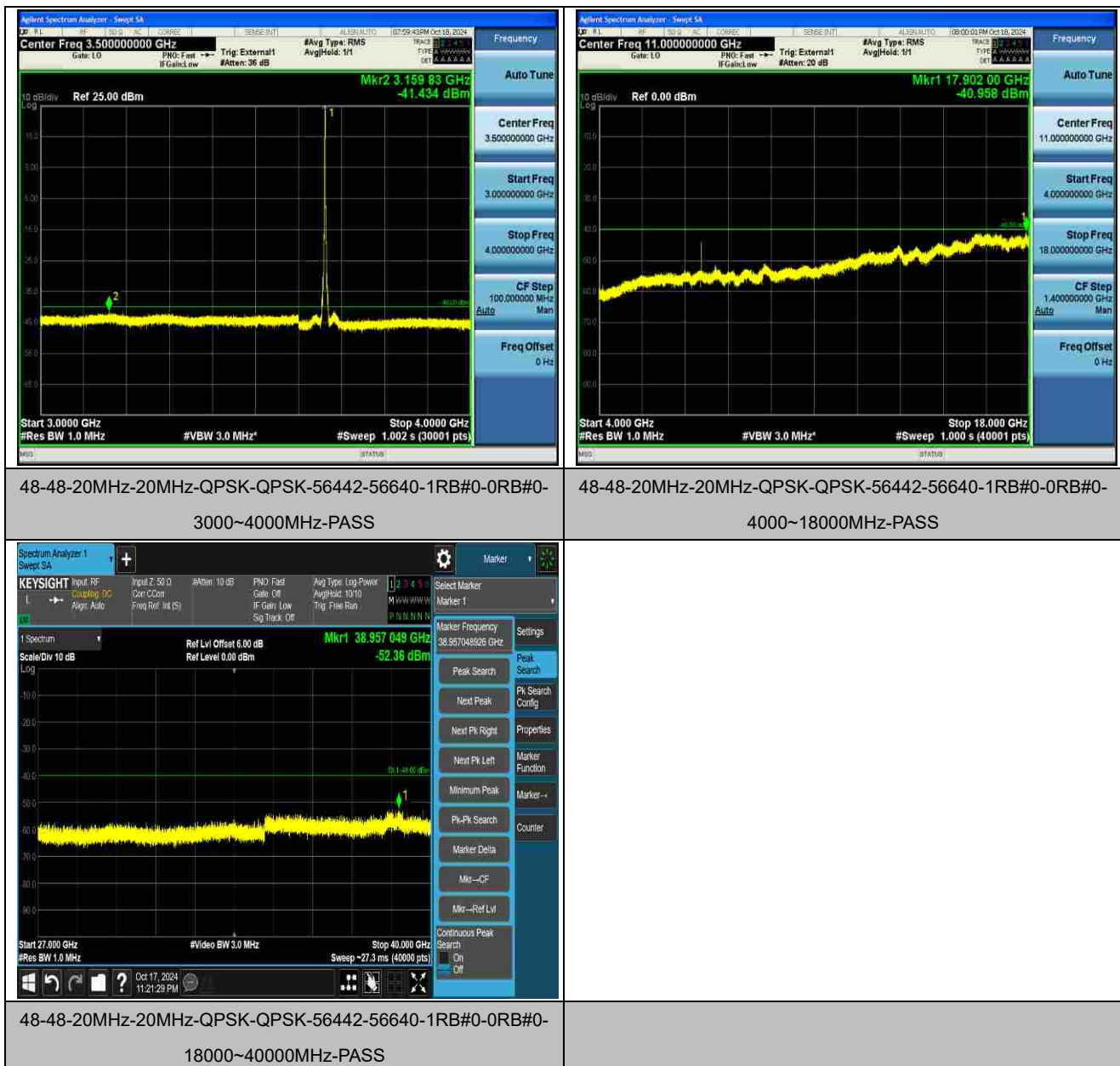


48-48-20MHz-20MHz-QPSK-QPSK-55340-55538-1RB#0-0RB#0-
3000~4000MHz-PASS48-48-20MHz-20MHz-QPSK-QPSK-55340-55538-1RB#0-0RB#0-
4000~18000MHz-PASS48-48-20MHz-20MHz-QPSK-QPSK-55340-55538-1RB#0-0RB#0-
18000~40000MHz-PASS48-48-20MHz-20MHz-QPSK-QPSK-55891-56089-1RB#0-0RB#0-
0.009~0.15MHz-PASS48-48-20MHz-20MHz-QPSK-QPSK-55891-56089-1RB#0-0RB#0-
0.15~30MHz-PASS48-48-20MHz-20MHz-QPSK-QPSK-55891-56089-1RB#0-0RB#0-
30~1000MHz-PASS

48-48-20MHz-20MHz-QPSK-QPSK-55891-56089-1RB#0-0RB#0-

48-48-20MHz-20MHz-QPSK-QPSK-55891-56089-1RB#0-0RB#0-





Frequency Stability

Test Result

Voltage									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
48-48	20MHz-20MHz	QPSK-QPSK	55891-56089	100RB#0-100RB#0	VN	NT	0.10	0.000120	PASS
48-48	20MHz-20MHz	QPSK-QPSK	55891-56089	100RB#0-100RB#0	VL	NT	0.40	0.000481	PASS
48-48	20MHz-20MHz	QPSK-QPSK	55891-56089	100RB#0-100RB#0	VH	NT	0.60	0.000722	PASS

Temperature									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
48-48	20MHz-20MHz	QPSK-QPSK	55891-56089	100RB#0-100RB#0	NV	-30	-0.20	-0.000241	PASS
48-48	20MHz-20MHz	QPSK-QPSK	55891-56089	100RB#0-100RB#0	NV	-20	1.30	0.001563	PASS
48-48	20MHz-20MHz	QPSK-QPSK	55891-56089	100RB#0-100RB#0	NV	-10	0.30	0.000361	PASS
48-48	20MHz-20MHz	QPSK-QPSK	55891-56089	100RB#0-100RB#0	NV	0	0.20	0.000241	PASS
48-48	20MHz-20MHz	QPSK-QPSK	55891-56089	100RB#0-100RB#0	NV	10	0.70	0.000842	PASS
48-48	20MHz-20MHz	QPSK-QPSK	55891-56089	100RB#0-100RB#0	NV	20	-1.10	-0.001323	PASS
48-48	20MHz-20MHz	QPSK-QPSK	55891-56089	100RB#0-100RB#0	NV	30	-1.50	-0.001804	PASS
48-48	20MHz-20MHz	QPSK-QPSK	55891-56089	100RB#0-100RB#0	NV	40	0.50	0.000601	PASS
48-48	20MHz-20MHz	QPSK-QPSK	55891-56089	100RB#0-100RB#0	NV	50	0.20	0.000241	PASS