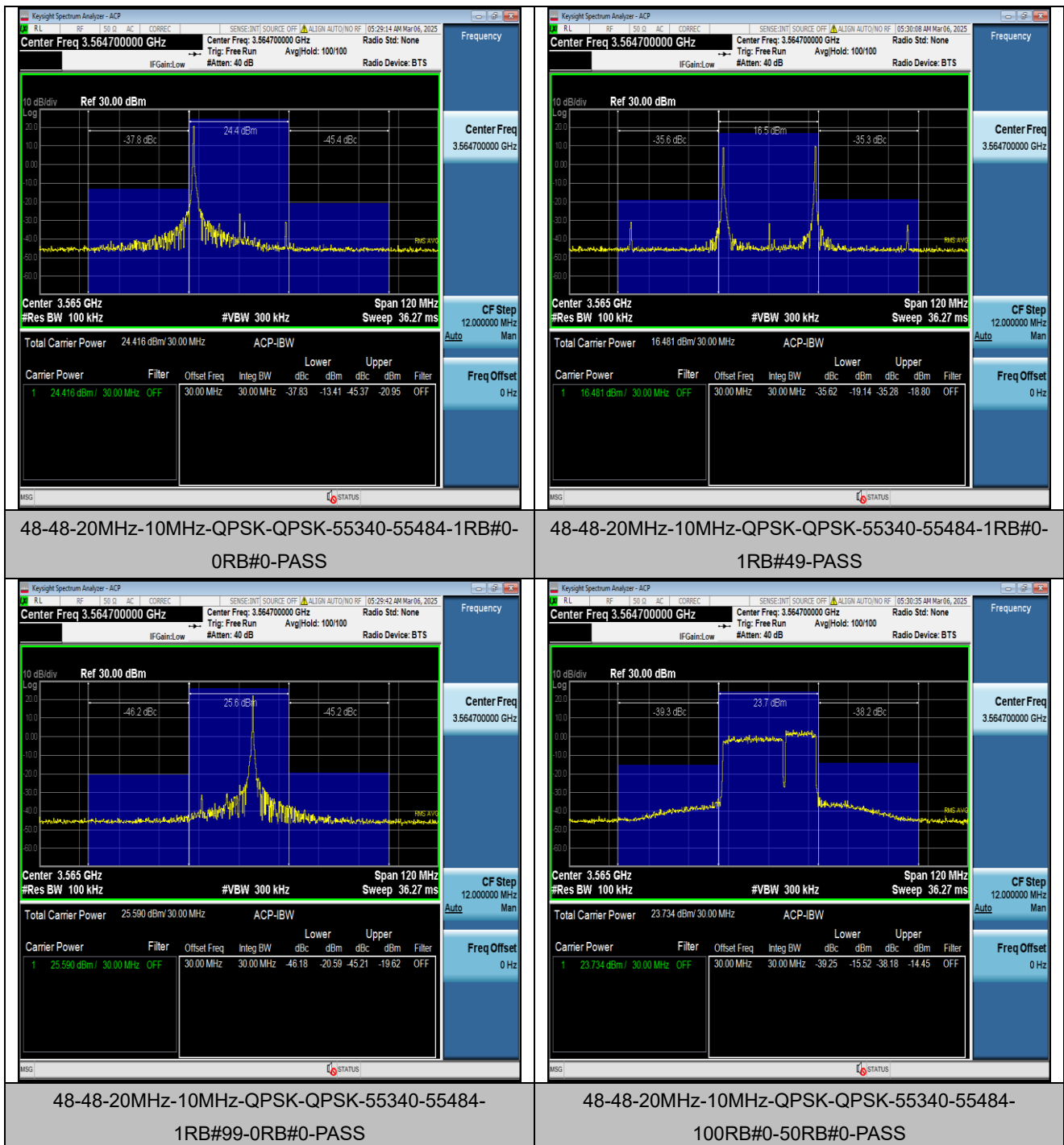
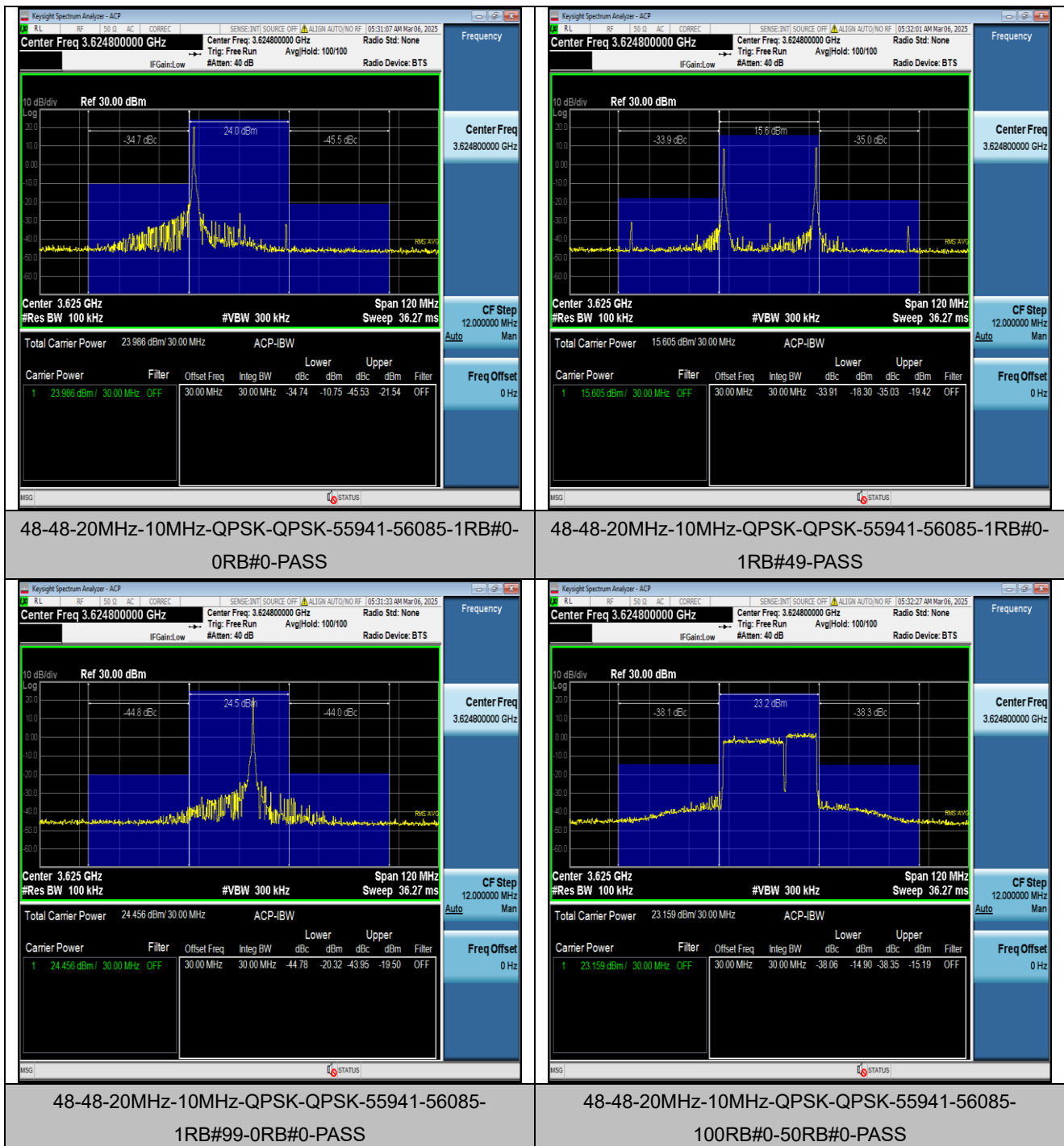
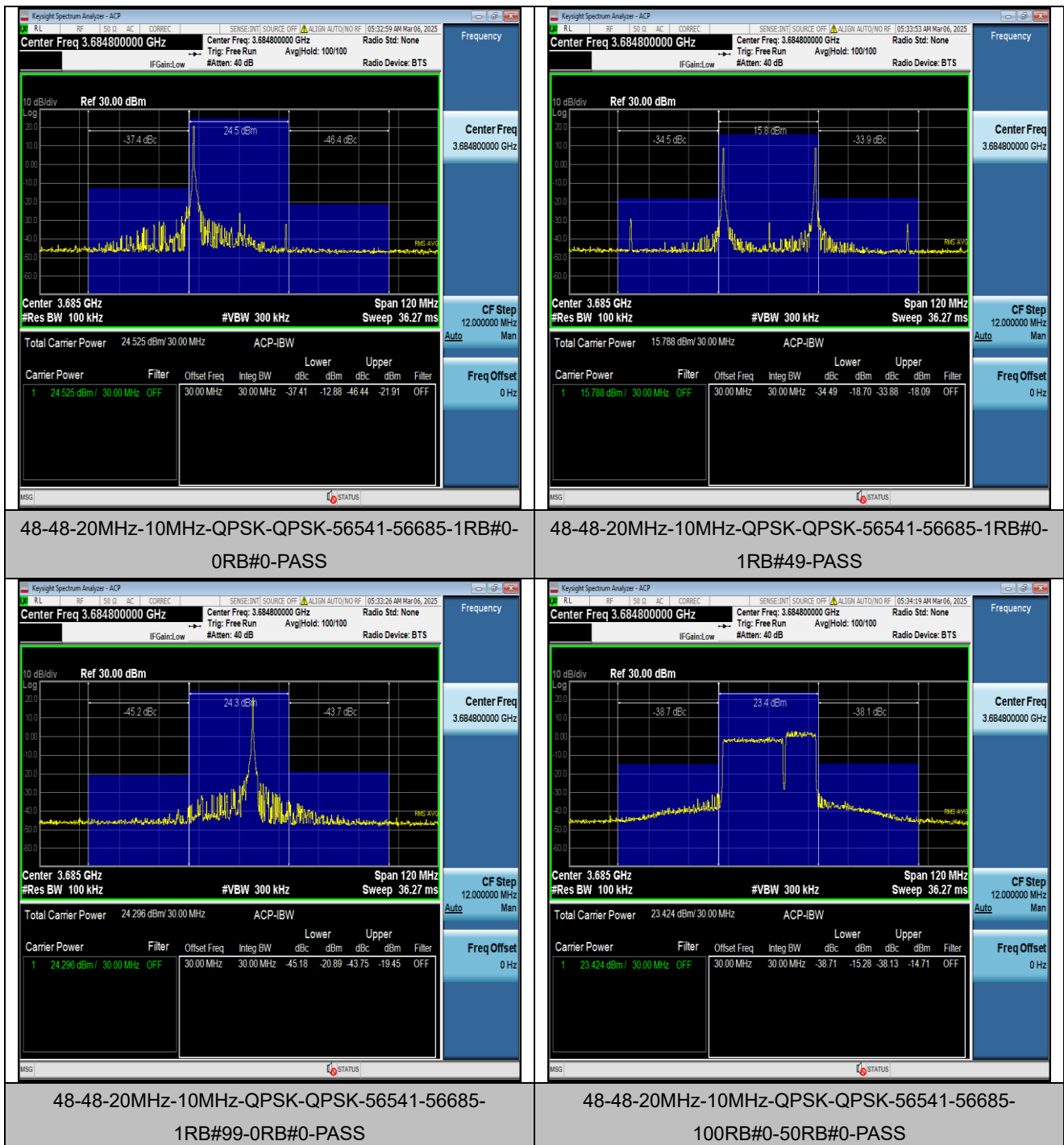
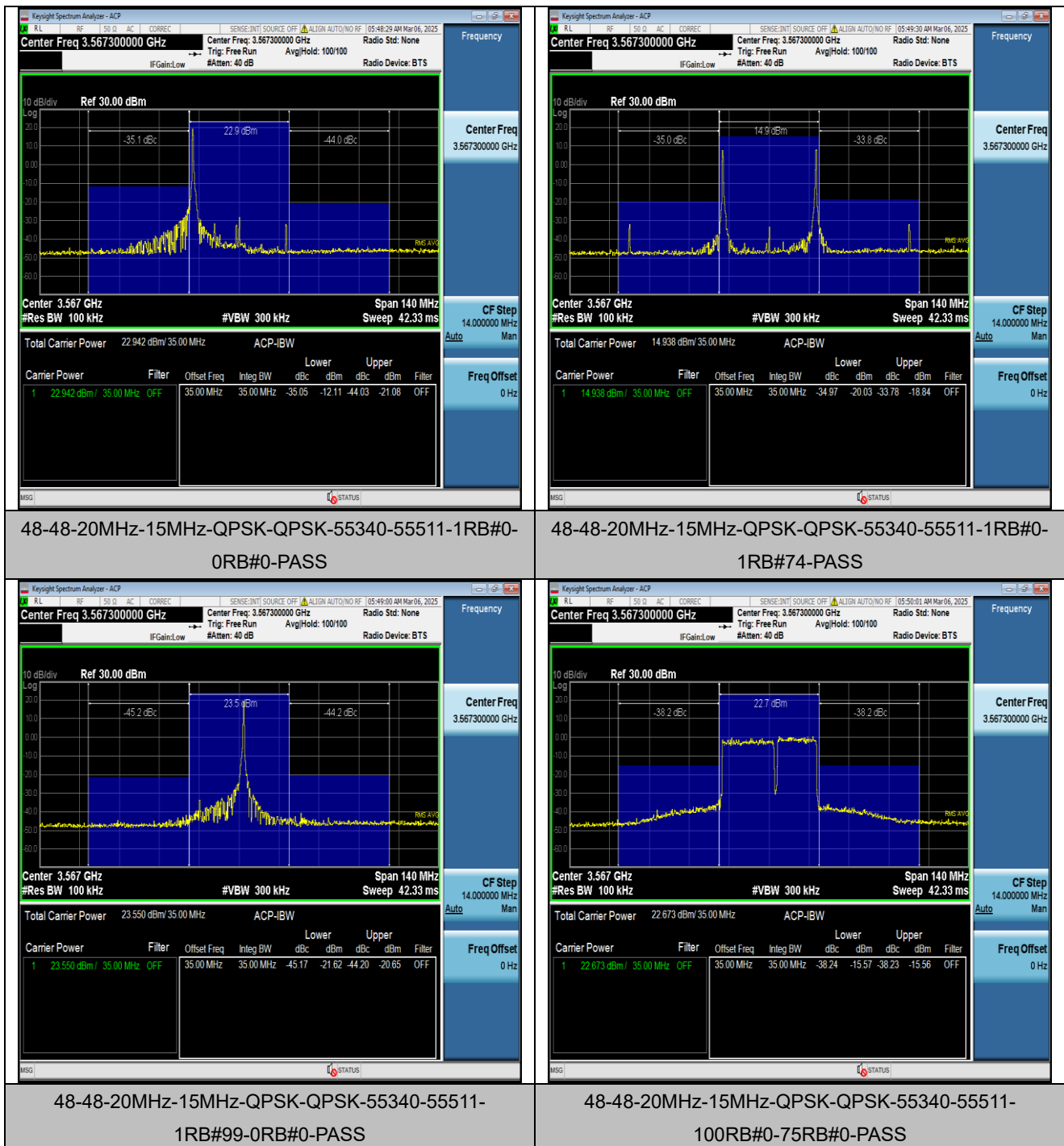
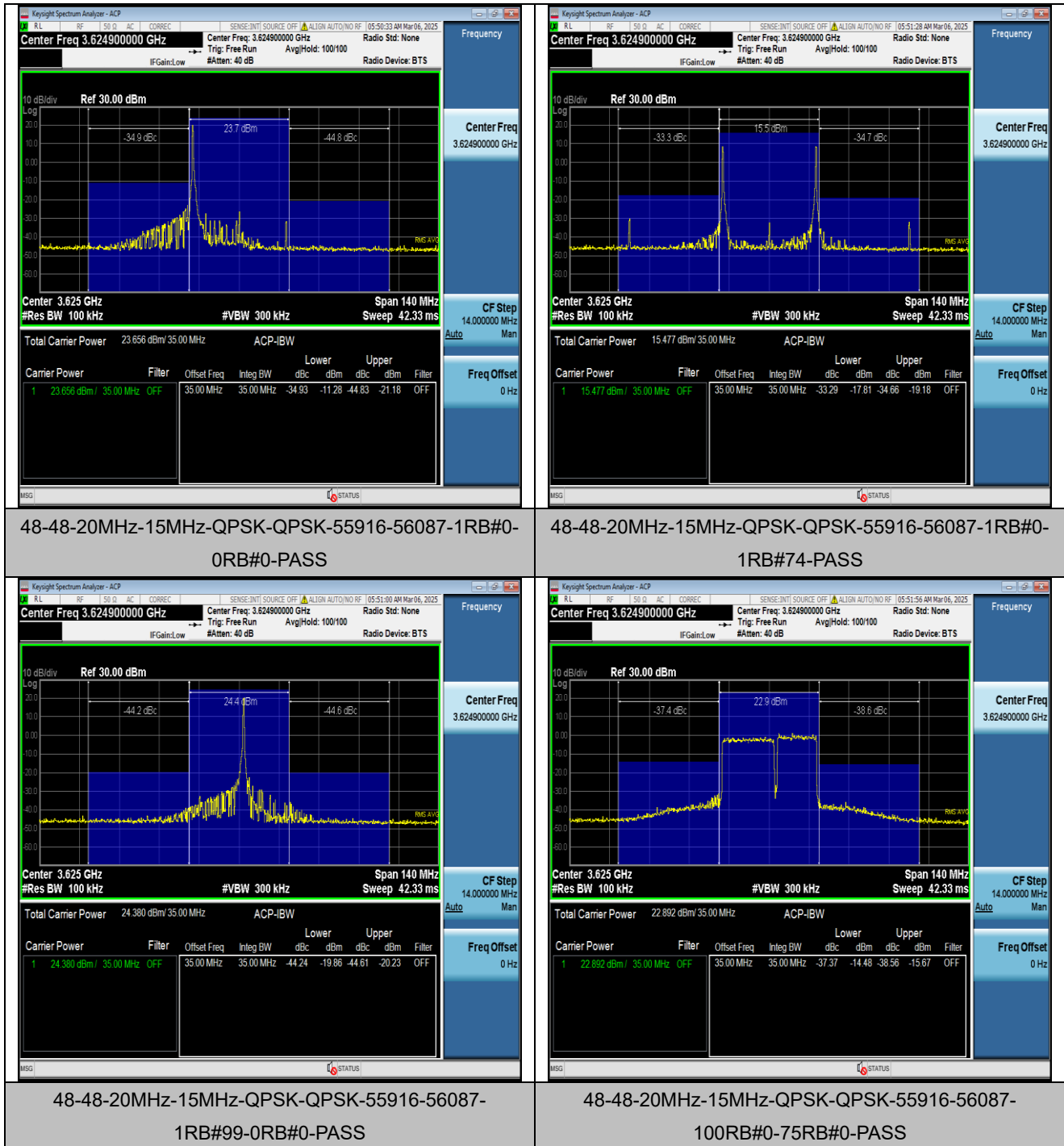


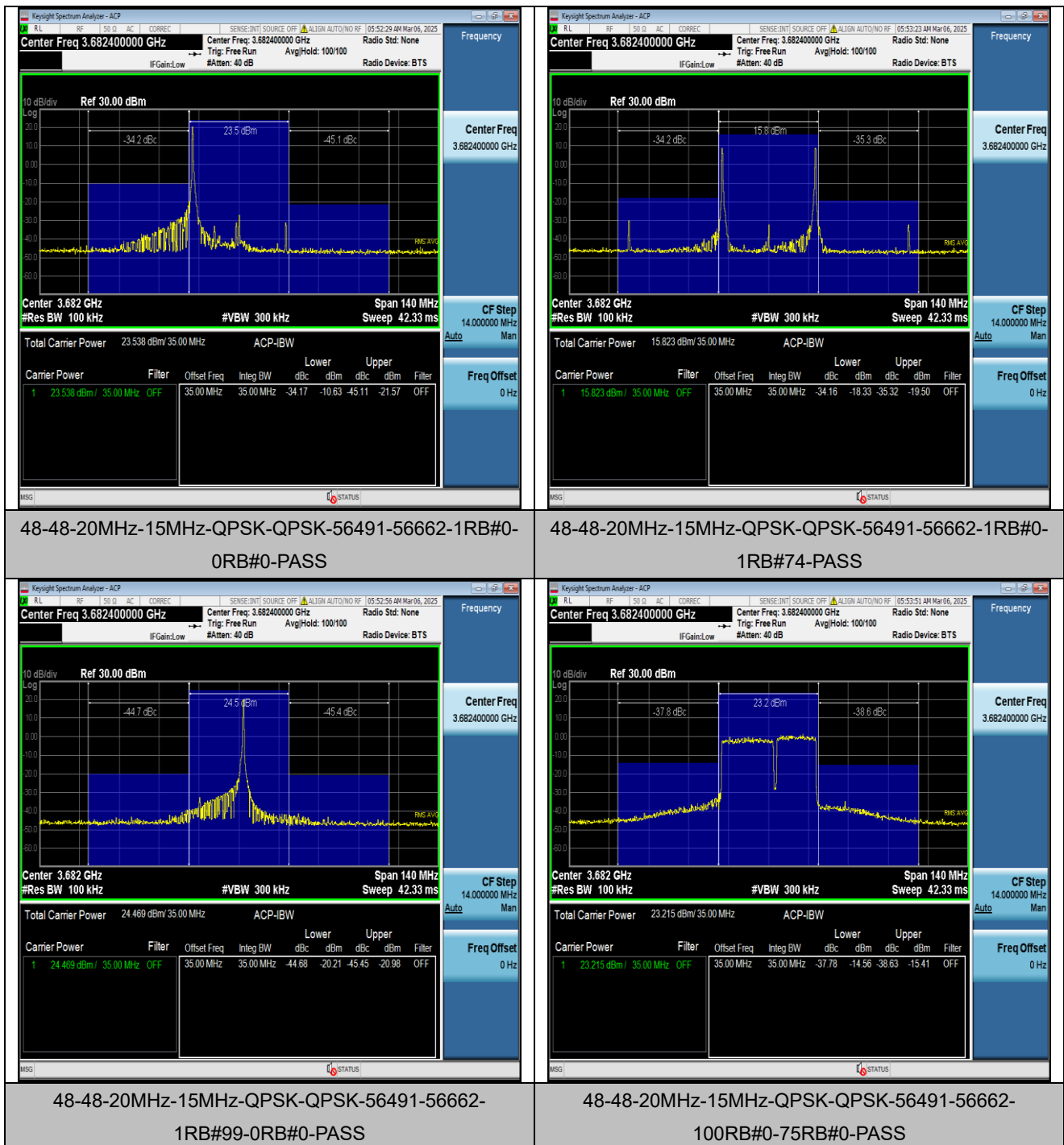


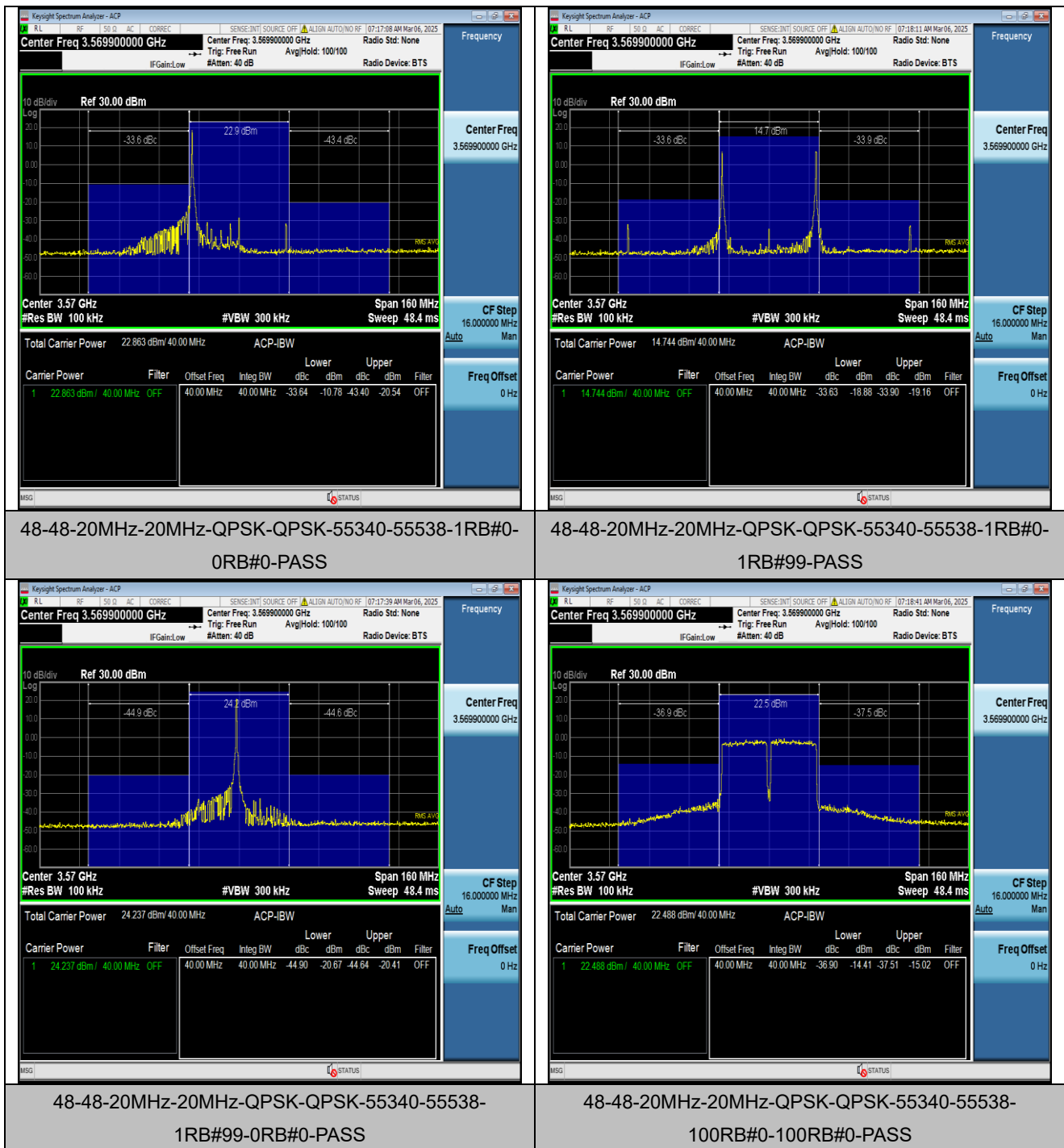


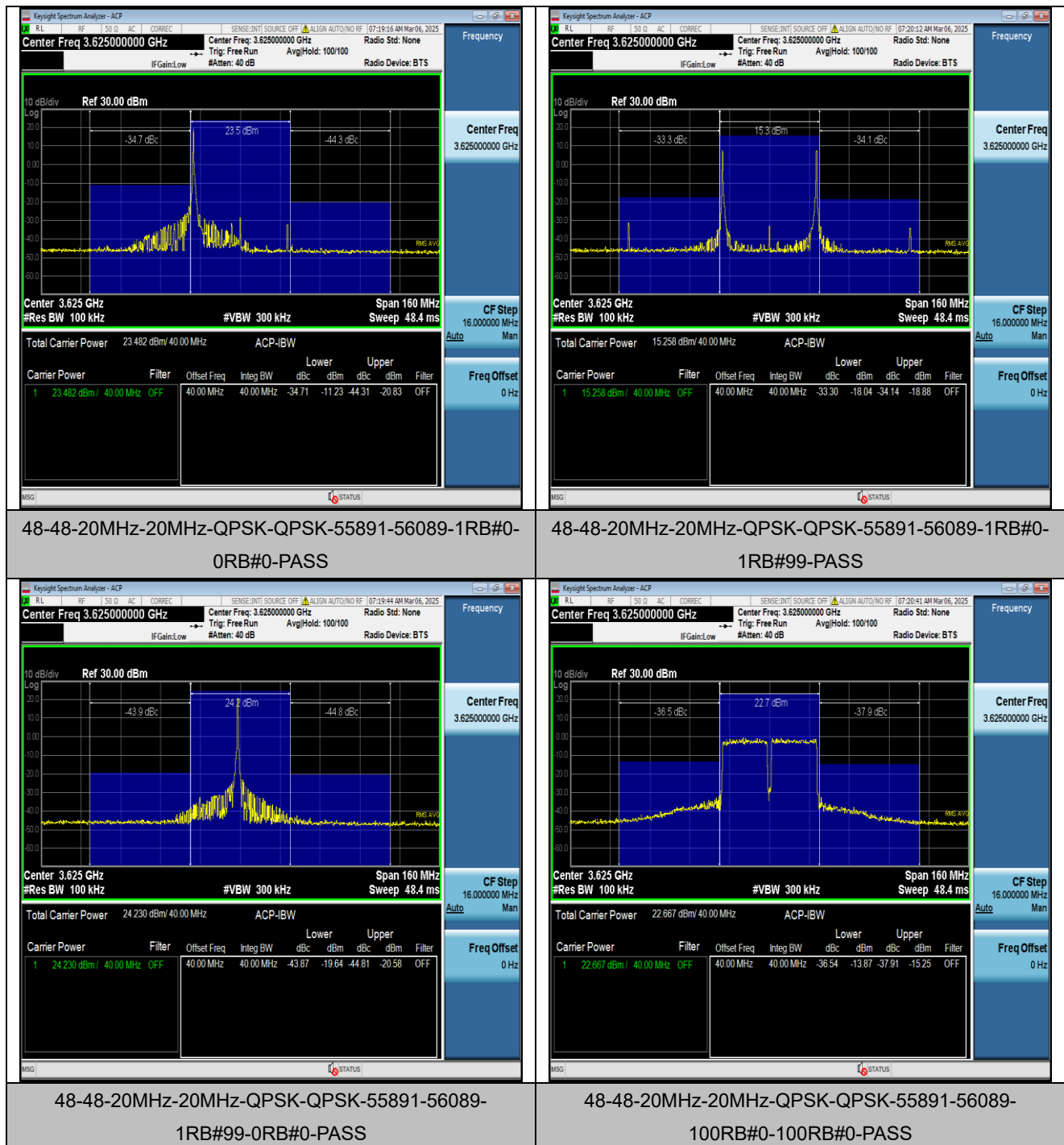


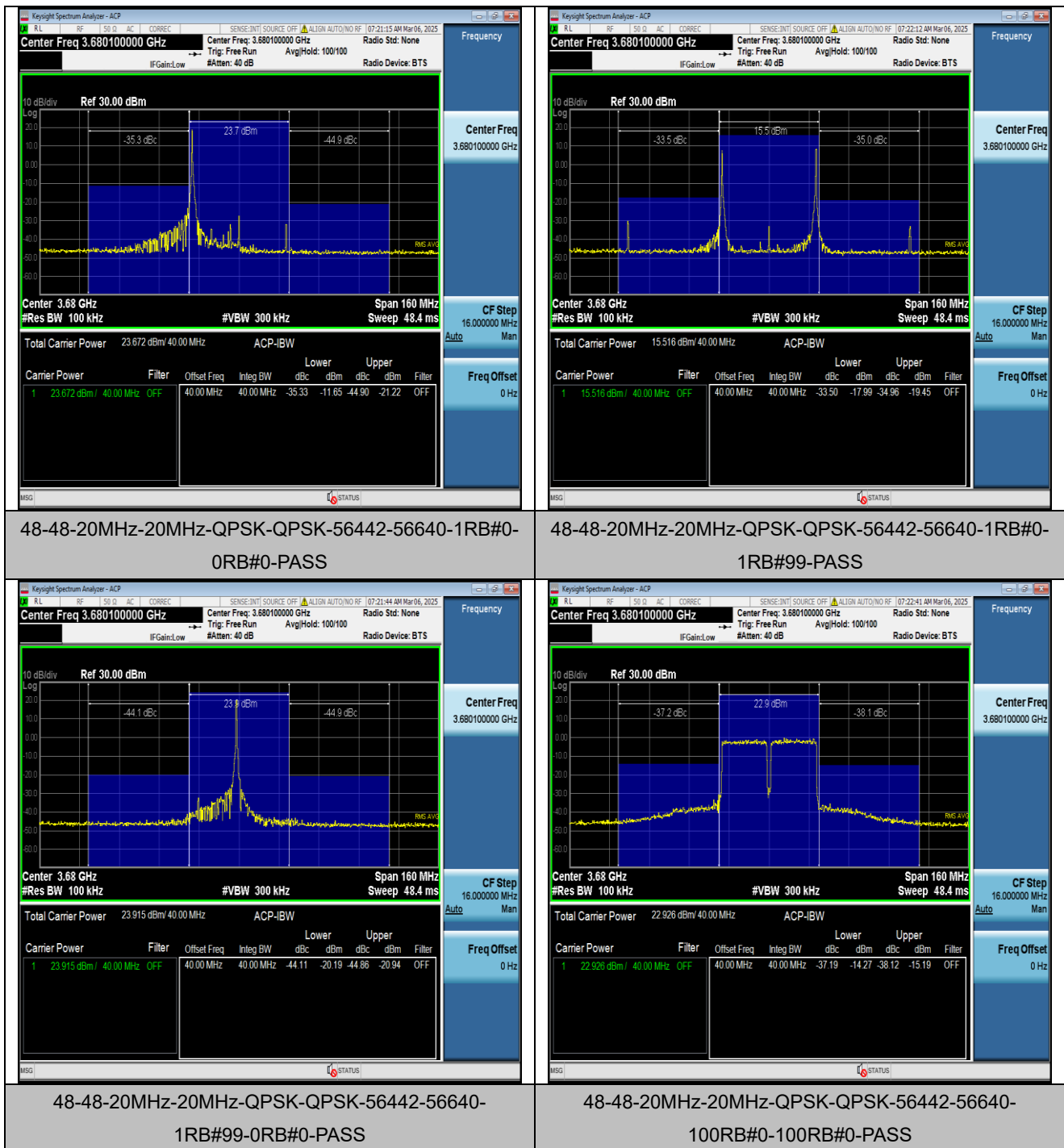










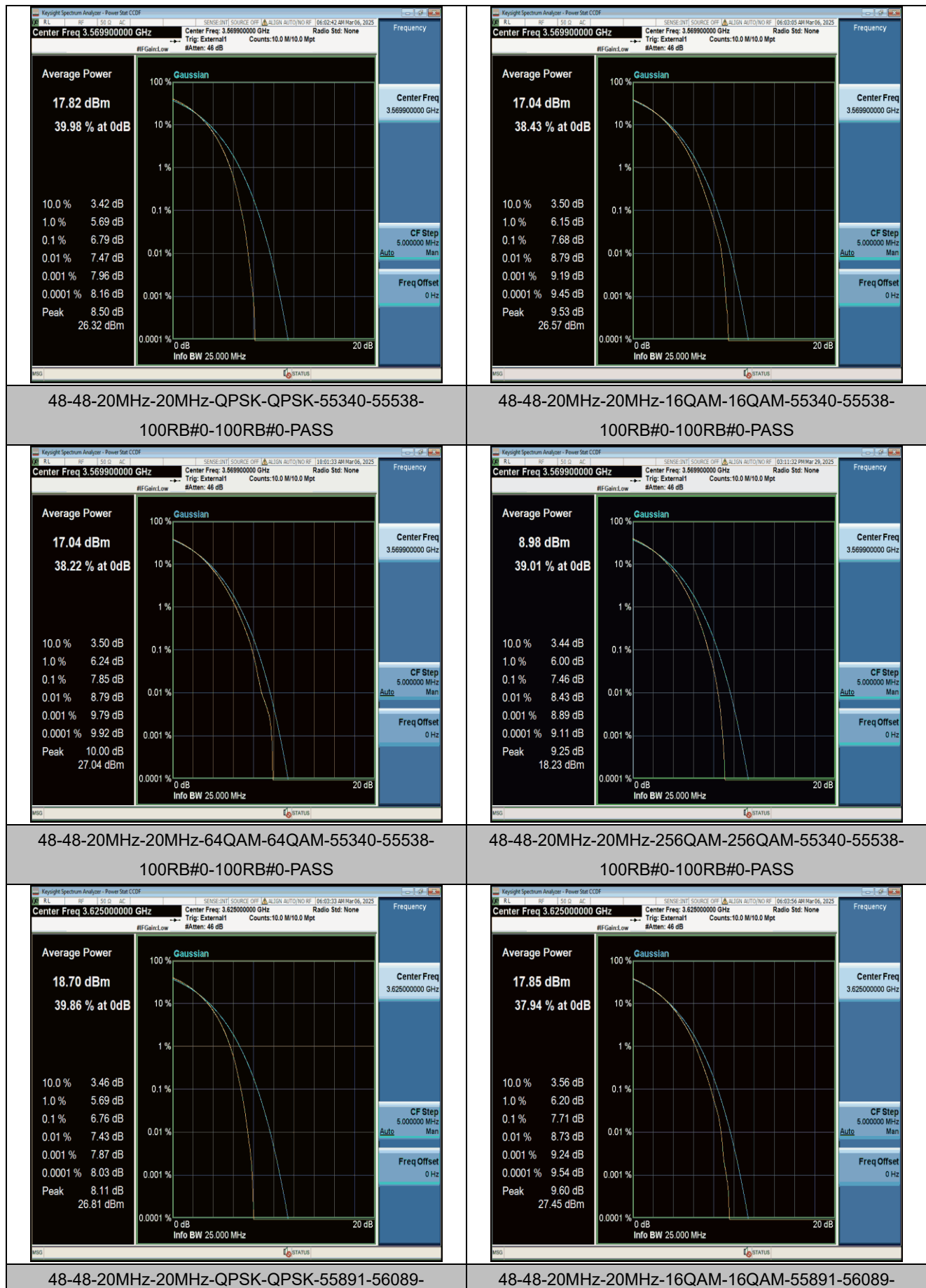


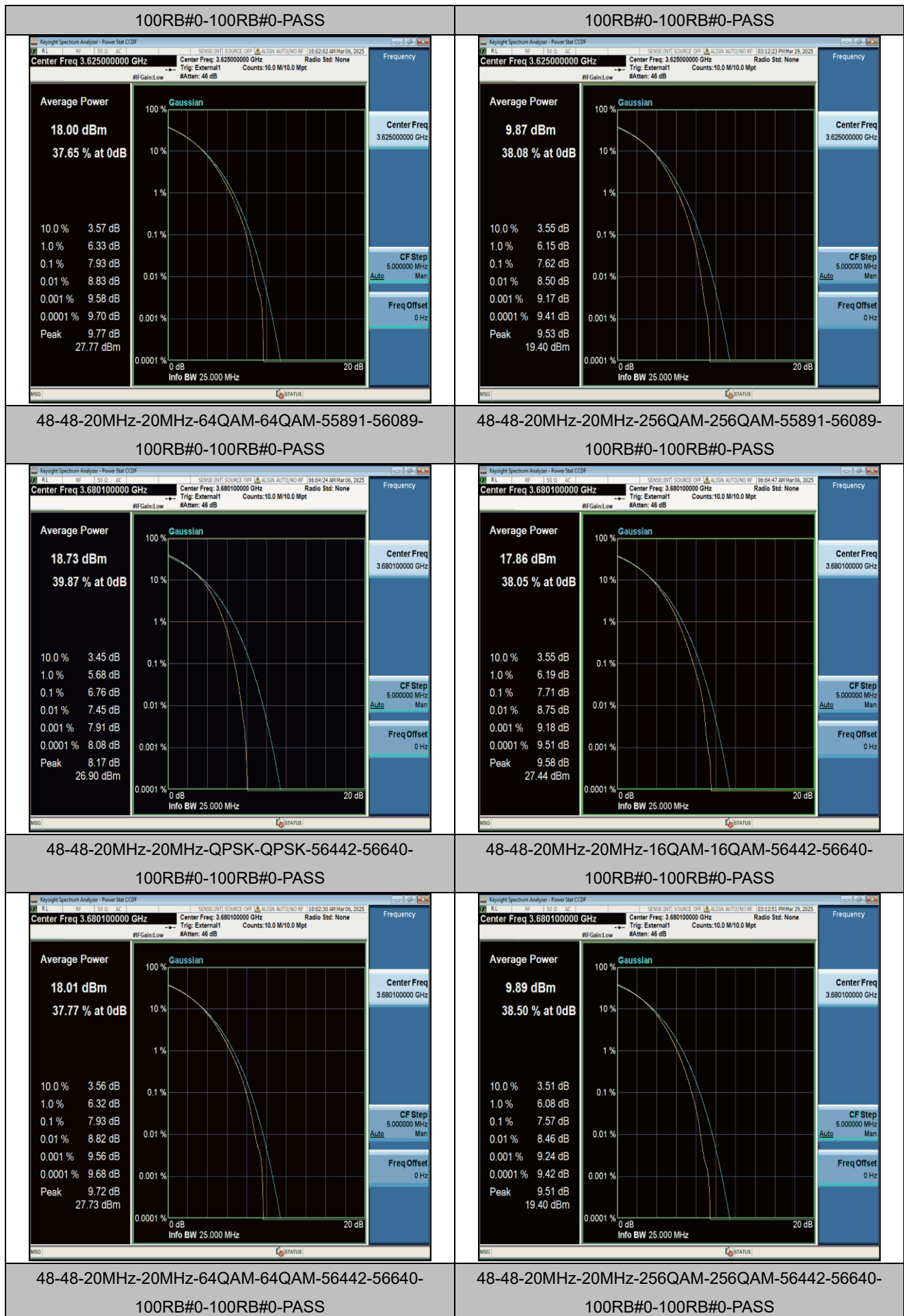
Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
48-48	20MHz-20MHz	QPSK-QPSK	55340-55538	100RB#0-100RB#0	6.79	13	PASS
48-48	20MHz-20MHz	16QAM-16QAM	55340-55538	100RB#0-100RB#0	7.68	13	PASS
48-48	20MHz-20MHz	64QAM-64QAM	55340-55538	100RB#0-100RB#0	7.85	13	PASS
48-48	20MHz-20MHz	256QAM-256QAM	55340-55538	100RB#0-100RB#0	7.46	13	PASS
48-48	20MHz-20MHz	QPSK-QPSK	55891-56089	100RB#0-100RB#0	6.76	13	PASS
48-48	20MHz-20MHz	16QAM-16QAM	55891-56089	100RB#0-100RB#0	7.71	13	PASS
48-48	20MHz-20MHz	64QAM-64QAM	55891-56089	100RB#0-100RB#0	7.93	13	PASS
48-48	20MHz-20MHz	256QAM-256QAM	55891-56089	100RB#0-100RB#0	7.62	13	PASS
48-48	20MHz-20MHz	QPSK-QPSK	56442-56640	100RB#0-100RB#0	6.76	13	PASS
48-48	20MHz-20MHz	16QAM-16QAM	56442-56640	100RB#0-100RB#0	7.71	13	PASS
48-48	20MHz-20MHz	64QAM-64QAM	56442-56640	100RB#0-100RB#0	7.93	13	PASS
48-48	20MHz-20MHz	256QAM-256QAM	56442-56640	100RB#0-100RB#0	7.57	13	PASS

Test Graphs



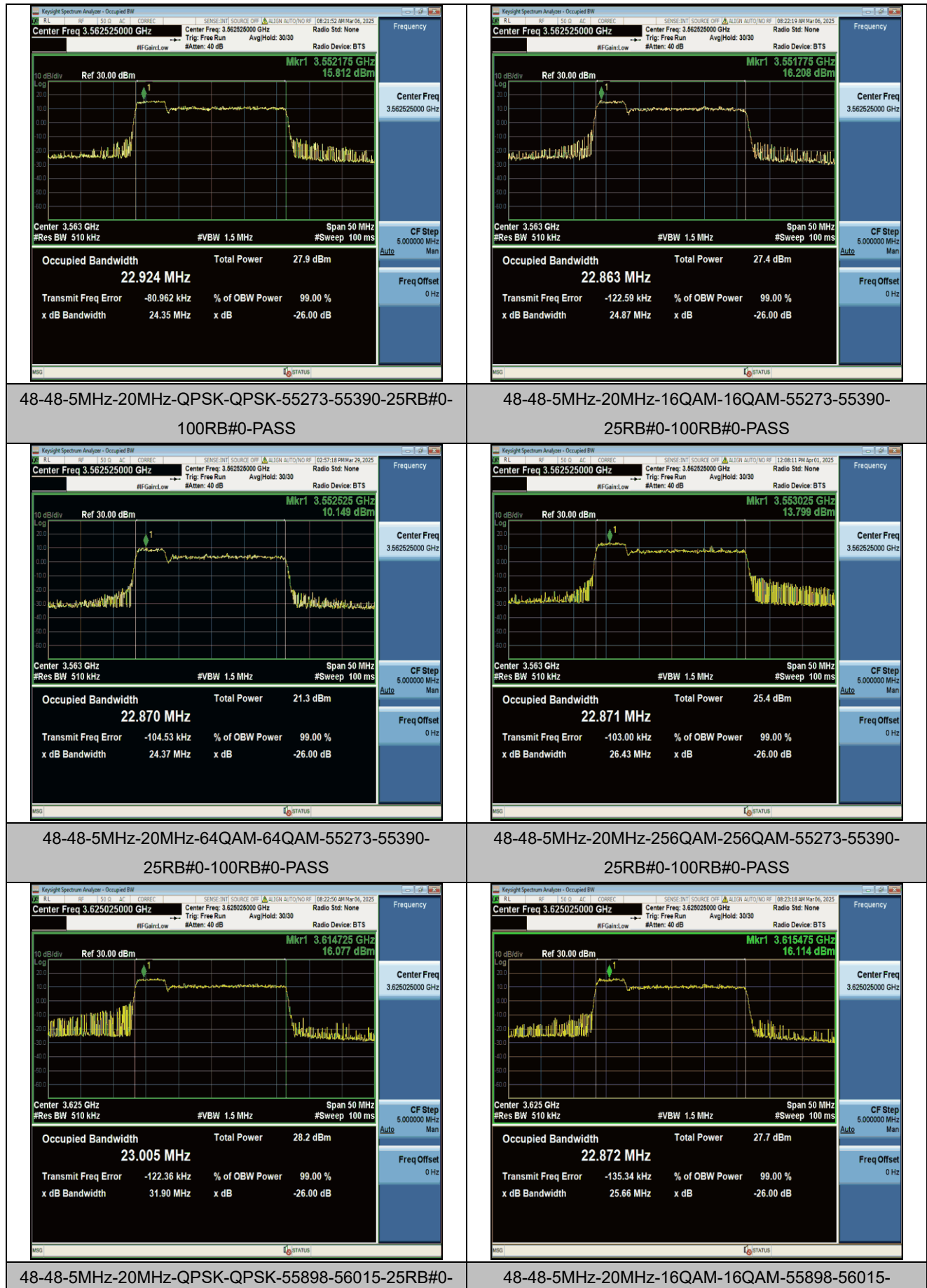


26dB Bandwidth and Occupied Bandwidth**Test Result**

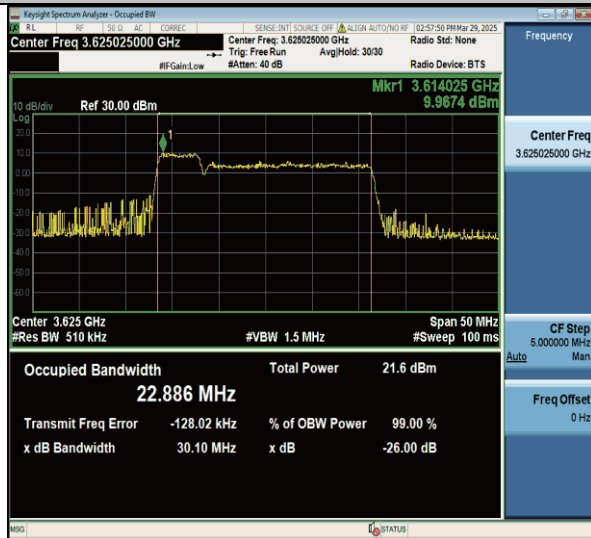
Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
48-48	5MHz-20MHz	QPSK-QPSK	55273-55390	25RB#0-100RB#0	22.924	24.35	PASS
48-48	5MHz-20MHz	16QAM-16QAM	55273-55390	25RB#0-100RB#0	22.863	24.87	PASS
48-48	5MHz-20MHz	64QAM-64QAM	55273-55390	25RB#0-100RB#0	22.870	24.37	PASS
48-48	5MHz-20MHz	256QAM-256QAM	55273-55390	25RB#0-100RB#0	22.871	26.43	PASS
48-48	5MHz-20MHz	QPSK-QPSK	55898-56015	25RB#0-100RB#0	23.005	31.90	PASS
48-48	5MHz-20MHz	16QAM-16QAM	55898-56015	25RB#0-100RB#0	22.872	25.66	PASS
48-48	5MHz-20MHz	64QAM-64QAM	55898-56015	25RB#0-100RB#0	22.886	30.10	PASS
48-48	5MHz-20MHz	256QAM-256QAM	55898-56015	25RB#0-100RB#0	22.875	24.72	PASS
48-48	5MHz-20MHz	QPSK-QPSK	56523-56640	25RB#0-100RB#0	22.979	28.88	PASS
48-48	5MHz-20MHz	16QAM-16QAM	56523-56640	25RB#0-100RB#0	22.901	32.09	PASS
48-48	5MHz-20MHz	64QAM-64QAM	56523-56640	25RB#0-100RB#0	22.904	28.09	PASS
48-48	5MHz-20MHz	256QAM-256QAM	56523-56640	25RB#0-100RB#0	22.896	27.45	PASS
48-48	10MHz-20MHz	QPSK-QPSK	55295-55439	50RB#0-100RB#0	27.807	30.14	PASS
48-48	10MHz-20MHz	16QAM-16QAM	55295-55439	50RB#0-100RB#0	27.740	31.18	PASS
48-48	10MHz-20MHz	64QAM-64QAM	55295-55439	50RB#0-100RB#0	27.742	30.33	PASS
48-48	10MHz-20MHz	256QAM-256QAM	55295-55439	50RB#0-100RB#0	27.755	30.50	PASS
48-48	10MHz-20MHz	QPSK-QPSK	55896-56040	50RB#0-100RB#0	27.896	38.49	PASS
48-48	10MHz-20MHz	16QAM-16QAM	55896-56040	50RB#0-100RB#0	27.780	34.94	PASS
48-48	10MHz-20MHz	64QAM-64QAM	55896-56040	50RB#0-100RB#0	27.771	33.26	PASS
48-48	10MHz-20MHz	256QAM-256QAM	55896-56040	50RB#0-100RB#0	27.745	30.67	PASS
48-48	10MHz-20MHz	QPSK-QPSK	56496-56640	50RB#0-100RB#0	27.897	35.14	PASS
48-48	10MHz-20MHz	16QAM-16QAM	56496-56640	50RB#0-100RB#0	27.760	35.00	PASS
48-48	10MHz-20MHz	64QAM-64QAM	56496-56640	50RB#0-100RB#0	27.768	30.50	PASS
48-48	10MHz-20MHz	256QAM-256QAM	56496-56640	50RB#0-100RB#0	27.773	32.59	PASS
48-48	15MHz-20MHz	QPSK-QPSK	55318-55489	75RB#0-100RB#0	32.730	36.48	PASS
48-48	15MHz-20MHz	16QAM-16QAM	55318-55489	75RB#0-100RB#0	32.663	38.20	PASS
48-48	15MHz-20MHz	64QAM-64QAM	55318-55489	75RB#0-100RB#0	32.619	38.93	PASS
48-48	15MHz-20MHz	256QAM-256QAM	55318-55489	75RB#0-100RB#0	32.648	34.99	PASS
48-48	15MHz-20MHz	QPSK-QPSK	55893-56064	75RB#0-100RB#0	32.767	45.45	PASS
48-48	15MHz-20MHz	16QAM-16QAM	55893-56064	75RB#0-100RB#0	32.695	47.42	PASS
48-48	15MHz-20MHz	64QAM-64QAM	55893-56064	75RB#0-100RB#0	32.647	39.16	PASS
48-48	15MHz-20MHz	256QAM-256QAM	55893-56064	75RB#0-100RB#0	32.655	38.57	PASS
48-48	15MHz-20MHz	QPSK-QPSK	56469-56640	75RB#0-100RB#0	32.769	40.33	PASS
48-48	15MHz-20MHz	16QAM-16QAM	56469-56640	75RB#0-100RB#0	32.688	43.36	PASS
48-48	15MHz-20MHz	64QAM-64QAM	56469-56640	75RB#0-100RB#0	32.638	36.51	PASS
48-48	15MHz-20MHz	256QAM-256QAM	56469-56640	75RB#0-100RB#0	32.663	37.42	PASS
48-48	20MHz-5MHz	QPSK-QPSK	55340-55457	100RB#0-25RB#0	22.964	26.66	PASS
48-48	20MHz-5MHz	16QAM-16QAM	55340-55457	100RB#0-25RB#0	22.911	26.01	PASS
48-48	20MHz-5MHz	64QAM-64QAM	55340-55457	100RB#0-25RB#0	22.869	25.57	PASS

48-48	20MHz-5MHz	256QAM-256QAM	55340-55457	100RB#0-25RB#0	22.828	25.38	PASS
48-48	20MHz-5MHz	QPSK-QPSK	55965-56082	100RB#0-25RB#0	23.025	29.16	PASS
48-48	20MHz-5MHz	16QAM-16QAM	55965-56082	100RB#0-25RB#0	22.914	27.27	PASS
48-48	20MHz-5MHz	64QAM-64QAM	55965-56082	100RB#0-25RB#0	22.884	27.77	PASS
48-48	20MHz-5MHz	256QAM-256QAM	55965-56082	100RB#0-25RB#0	22.890	24.39	PASS
48-48	20MHz-5MHz	QPSK-QPSK	56590-56707	100RB#0-25RB#0	22.996	25.82	PASS
48-48	20MHz-5MHz	16QAM-16QAM	56590-56707	100RB#0-25RB#0	22.909	25.76	PASS
48-48	20MHz-5MHz	64QAM-64QAM	56590-56707	100RB#0-25RB#0	22.867	24.79	PASS
48-48	20MHz-5MHz	256QAM-256QAM	56590-56707	100RB#0-25RB#0	22.897	24.56	PASS
48-48	20MHz-10MHz	QPSK-QPSK	55340-55484	100RB#0-50RB#0	27.892	31.21	PASS
48-48	20MHz-10MHz	16QAM-16QAM	55340-55484	100RB#0-50RB#0	27.794	32.65	PASS
48-48	20MHz-10MHz	64QAM-64QAM	55340-55484	100RB#0-50RB#0	27.732	30.28	PASS
48-48	20MHz-10MHz	256QAM-256QAM	55340-55484	100RB#0-50RB#0	27.721	31.02	PASS
48-48	20MHz-10MHz	QPSK-QPSK	55941-56085	100RB#0-50RB#0	27.916	34.59	PASS
48-48	20MHz-10MHz	16QAM-16QAM	55941-56085	100RB#0-50RB#0	27.828	39.15	PASS
48-48	20MHz-10MHz	64QAM-64QAM	55941-56085	100RB#0-50RB#0	27.780	39.37	PASS
48-48	20MHz-10MHz	256QAM-256QAM	55941-56085	100RB#0-50RB#0	27.784	30.51	PASS
48-48	20MHz-10MHz	QPSK-QPSK	56541-56685	100RB#0-50RB#0	27.893	36.86	PASS
48-48	20MHz-10MHz	16QAM-16QAM	56541-56685	100RB#0-50RB#0	27.832	35.71	PASS
48-48	20MHz-10MHz	64QAM-64QAM	56541-56685	100RB#0-50RB#0	27.763	30.69	PASS
48-48	20MHz-10MHz	256QAM-256QAM	56541-56685	100RB#0-50RB#0	27.780	30.93	PASS
48-48	20MHz-15MHz	QPSK-QPSK	55340-55511	100RB#0-75RB#0	32.707	37.20	PASS
48-48	20MHz-15MHz	16QAM-16QAM	55340-55511	100RB#0-75RB#0	32.648	36.16	PASS
48-48	20MHz-15MHz	64QAM-64QAM	55340-55511	100RB#0-75RB#0	32.563	41.73	PASS
48-48	20MHz-15MHz	256QAM-256QAM	55340-55511	100RB#0-75RB#0	32.659	35.75	PASS
48-48	20MHz-15MHz	QPSK-QPSK	55916-56087	100RB#0-75RB#0	32.770	41.29	PASS
48-48	20MHz-15MHz	16QAM-16QAM	55916-56087	100RB#0-75RB#0	32.638	40.36	PASS
48-48	20MHz-15MHz	64QAM-64QAM	55916-56087	100RB#0-75RB#0	32.621	45.46	PASS
48-48	20MHz-15MHz	256QAM-256QAM	55916-56087	100RB#0-75RB#0	32.650	35.52	PASS
48-48	20MHz-15MHz	QPSK-QPSK	56491-56662	100RB#0-75RB#0	32.770	40.61	PASS
48-48	20MHz-15MHz	16QAM-16QAM	56491-56662	100RB#0-75RB#0	32.713	36.85	PASS
48-48	20MHz-15MHz	64QAM-64QAM	56491-56662	100RB#0-75RB#0	32.663	41.55	PASS
48-48	20MHz-15MHz	256QAM-256QAM	56491-56662	100RB#0-75RB#0	32.661	35.67	PASS
48-48	20MHz-20MHz	QPSK-QPSK	55340-55538	100RB#0-100RB#0	37.696	48.32	PASS
48-48	20MHz-20MHz	16QAM-16QAM	55340-55538	100RB#0-100RB#0	37.517	41.47	PASS
48-48	20MHz-20MHz	64QAM-64QAM	55340-55538	100RB#0-100RB#0	37.519	45.40	PASS
48-48	20MHz-20MHz	256QAM-256QAM	55340-55538	100RB#0-100RB#0	37.563	53.13	PASS
48-48	20MHz-20MHz	QPSK-QPSK	55891-56089	100RB#0-100RB#0	37.722	60.02	PASS
48-48	20MHz-20MHz	16QAM-16QAM	55891-56089	100RB#0-100RB#0	37.606	46.74	PASS
48-48	20MHz-20MHz	64QAM-64QAM	55891-56089	100RB#0-100RB#0	37.543	49.77	PASS
48-48	20MHz-20MHz	256QAM-256QAM	55891-56089	100RB#0-100RB#0	37.568	51.13	PASS
48-48	20MHz-20MHz	QPSK-QPSK	56442-56640	100RB#0-100RB#0	37.731	47.62	PASS
48-48	20MHz-20MHz	16QAM-16QAM	56442-56640	100RB#0-100RB#0	37.545	41.22	PASS
48-48	20MHz-20MHz	64QAM-64QAM	56442-56640	100RB#0-100RB#0	37.555	44.83	PASS
48-48	20MHz-20MHz	256QAM-256QAM	56442-56640	100RB#0-100RB#0	37.592	52.65	PASS

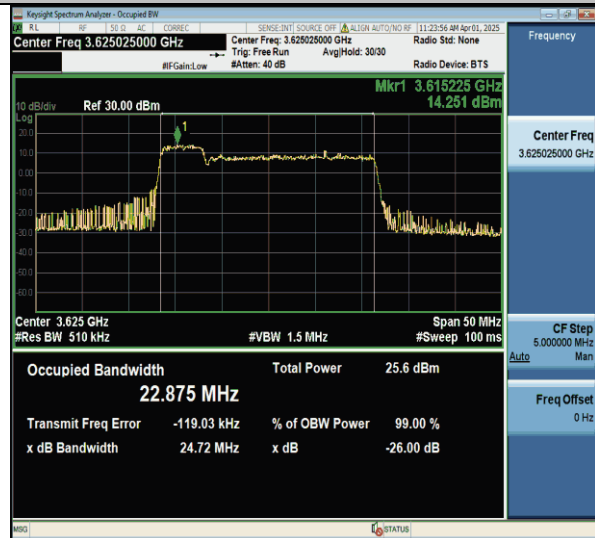
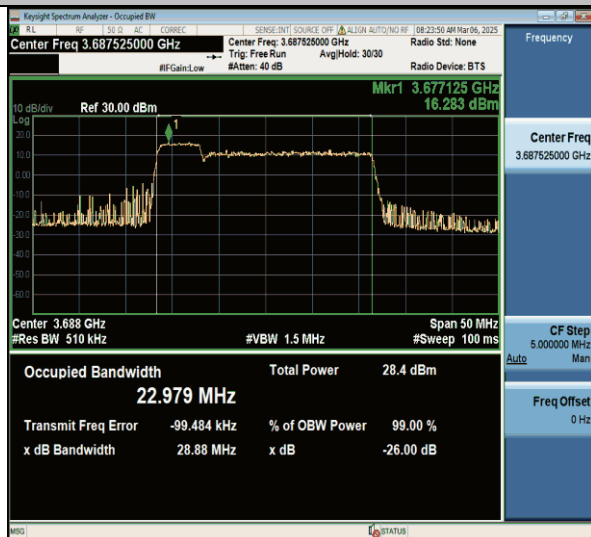
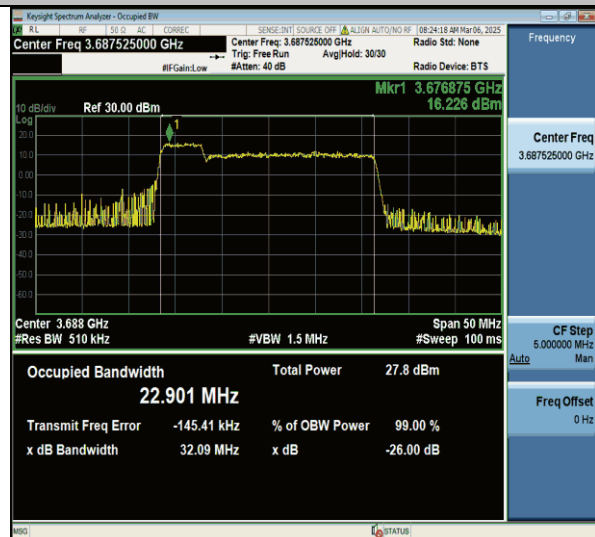
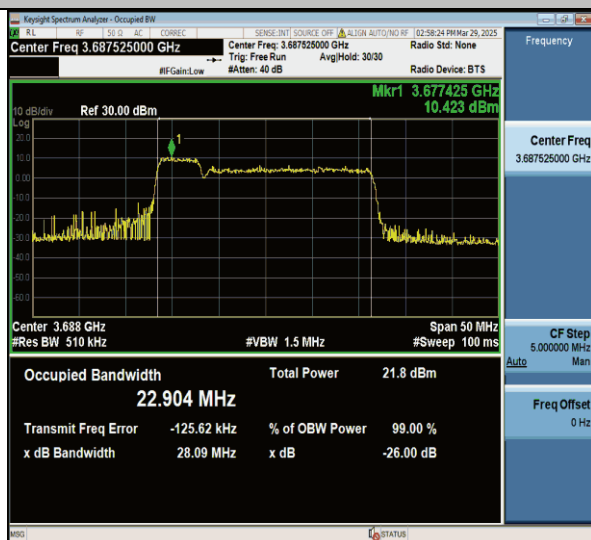
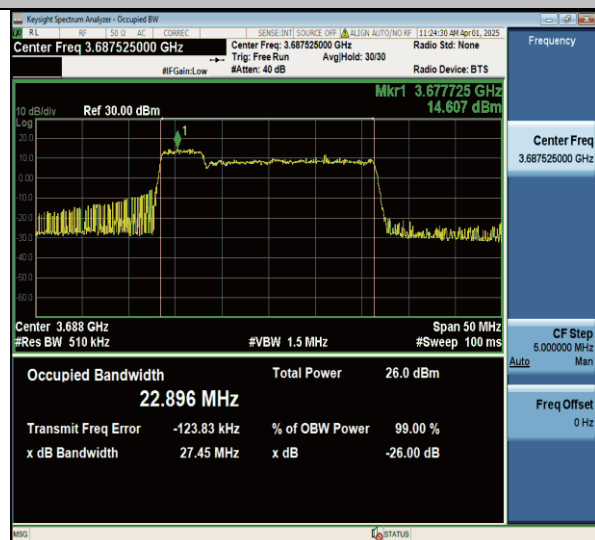
Test Graphs

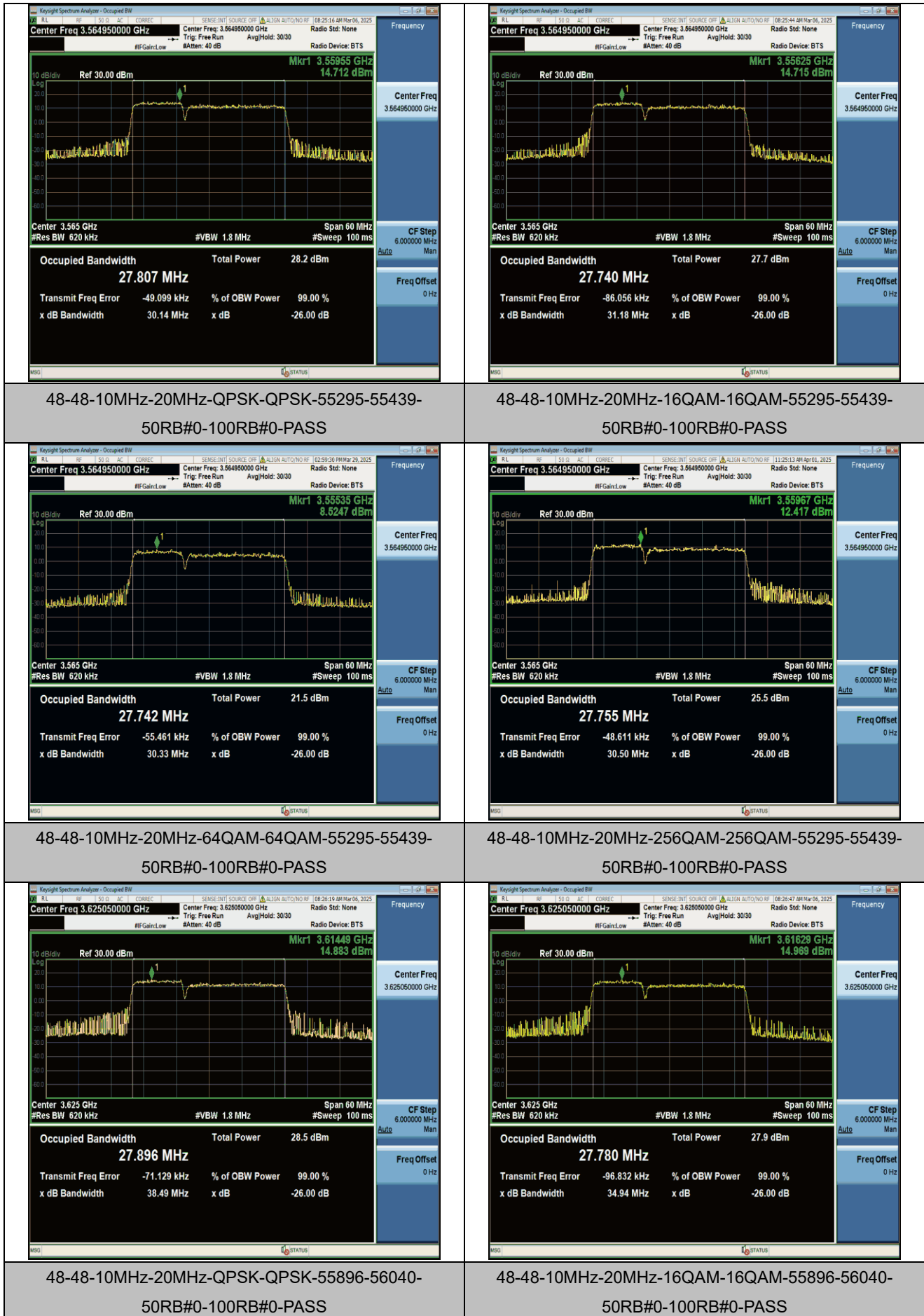


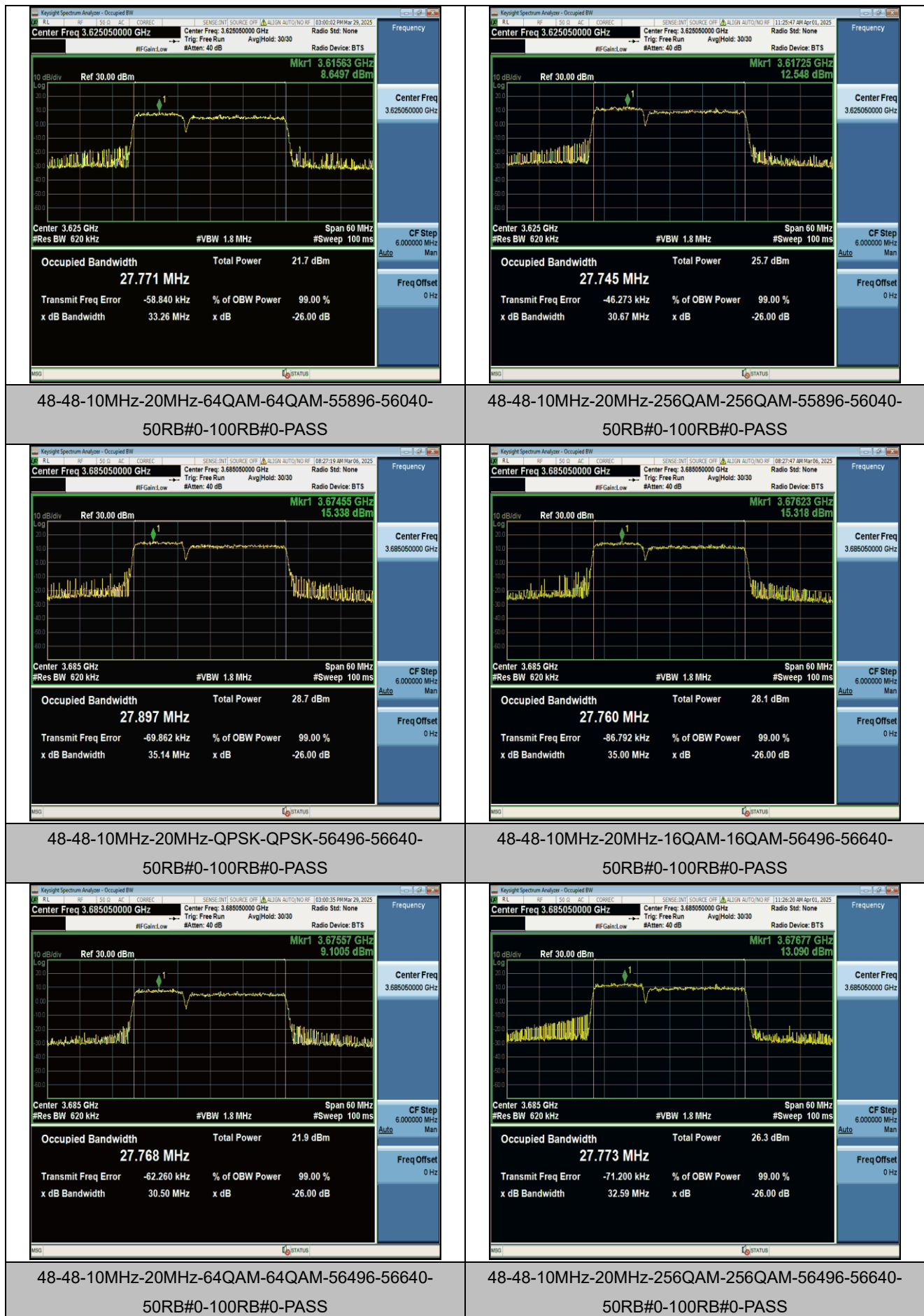
100RB#0-PASS

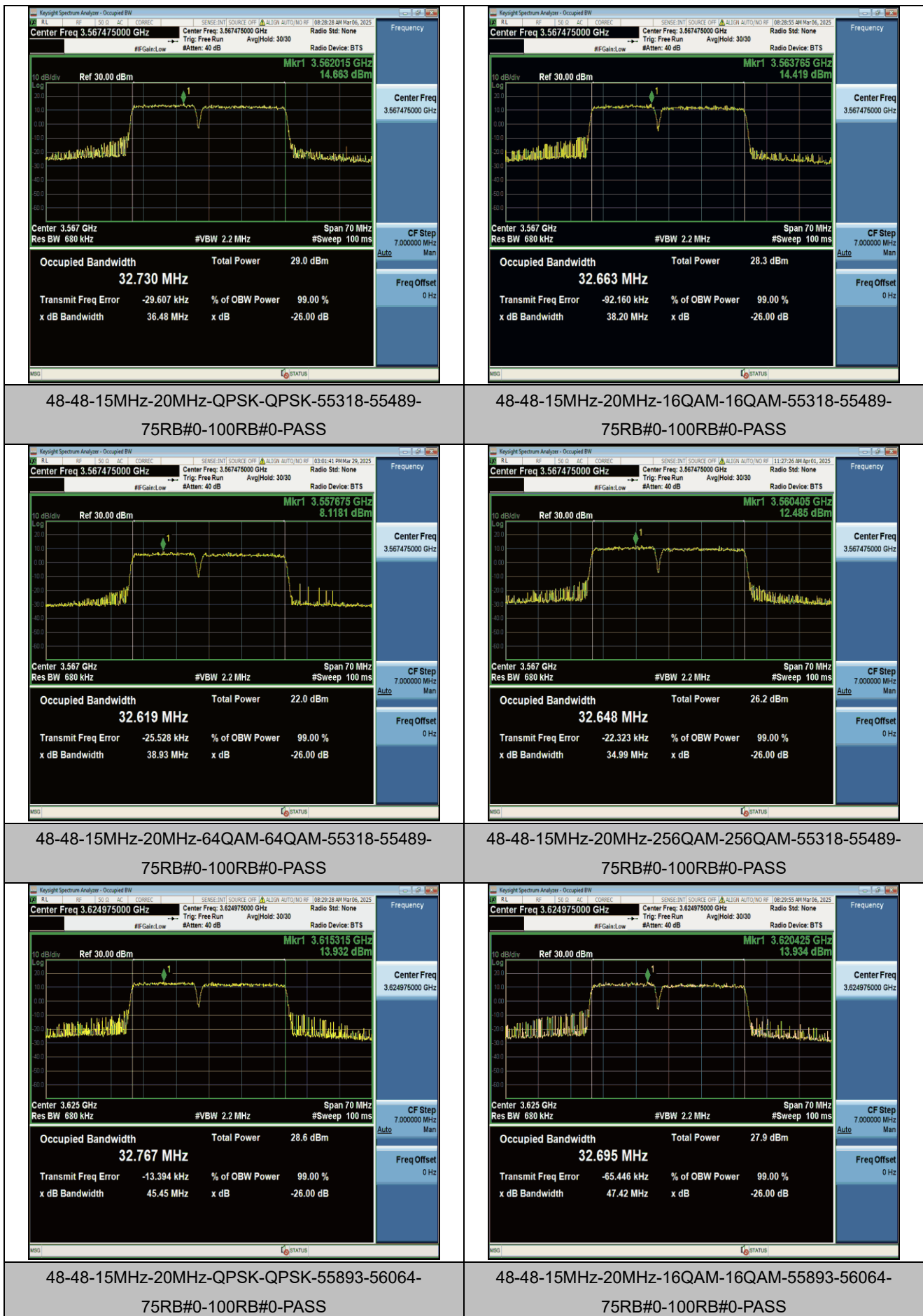


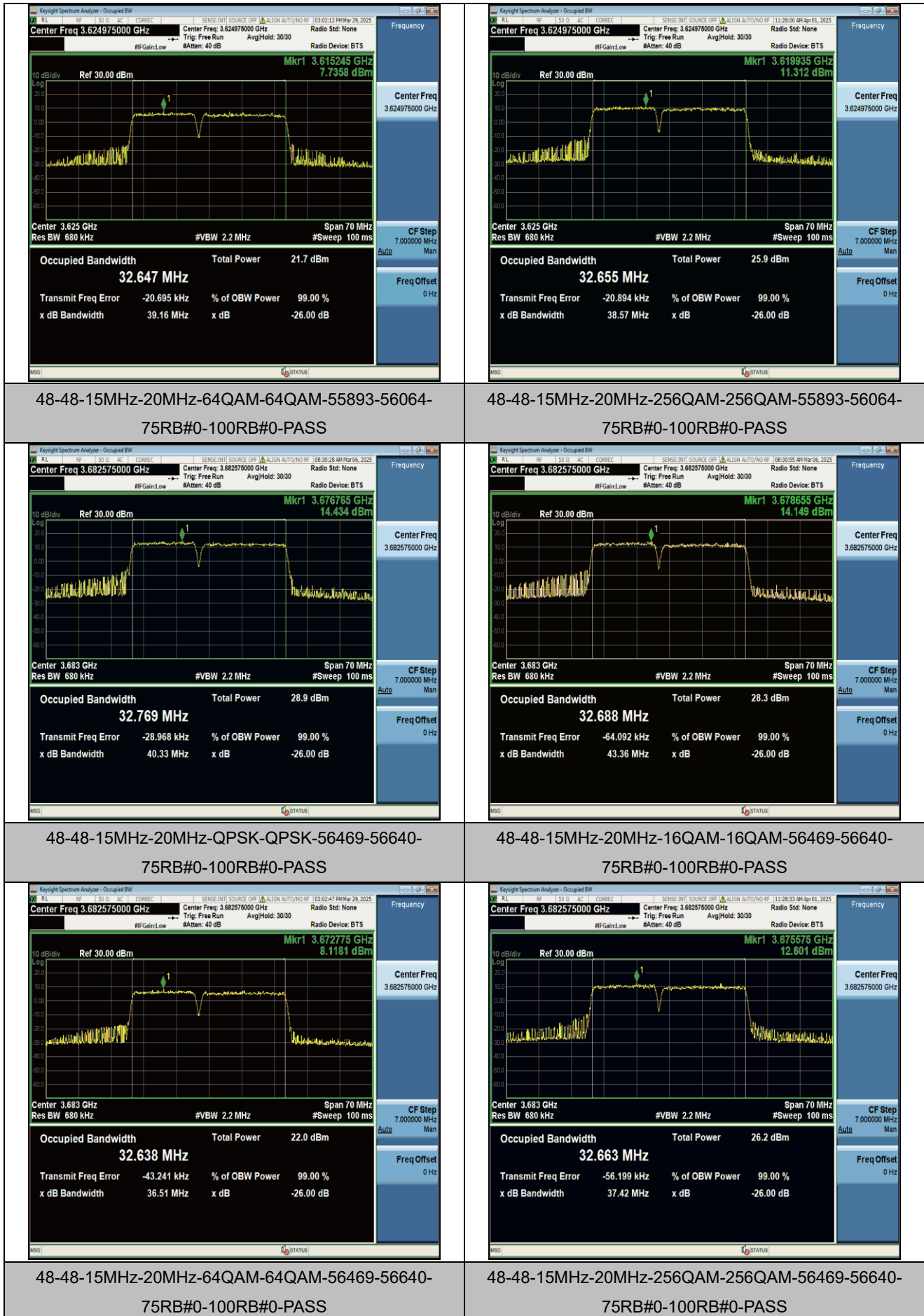
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25RB#0-100RB#0-PASS48-48-5MHz-20MHz-QPSK-QPSK-56523-56640-25RB#0-
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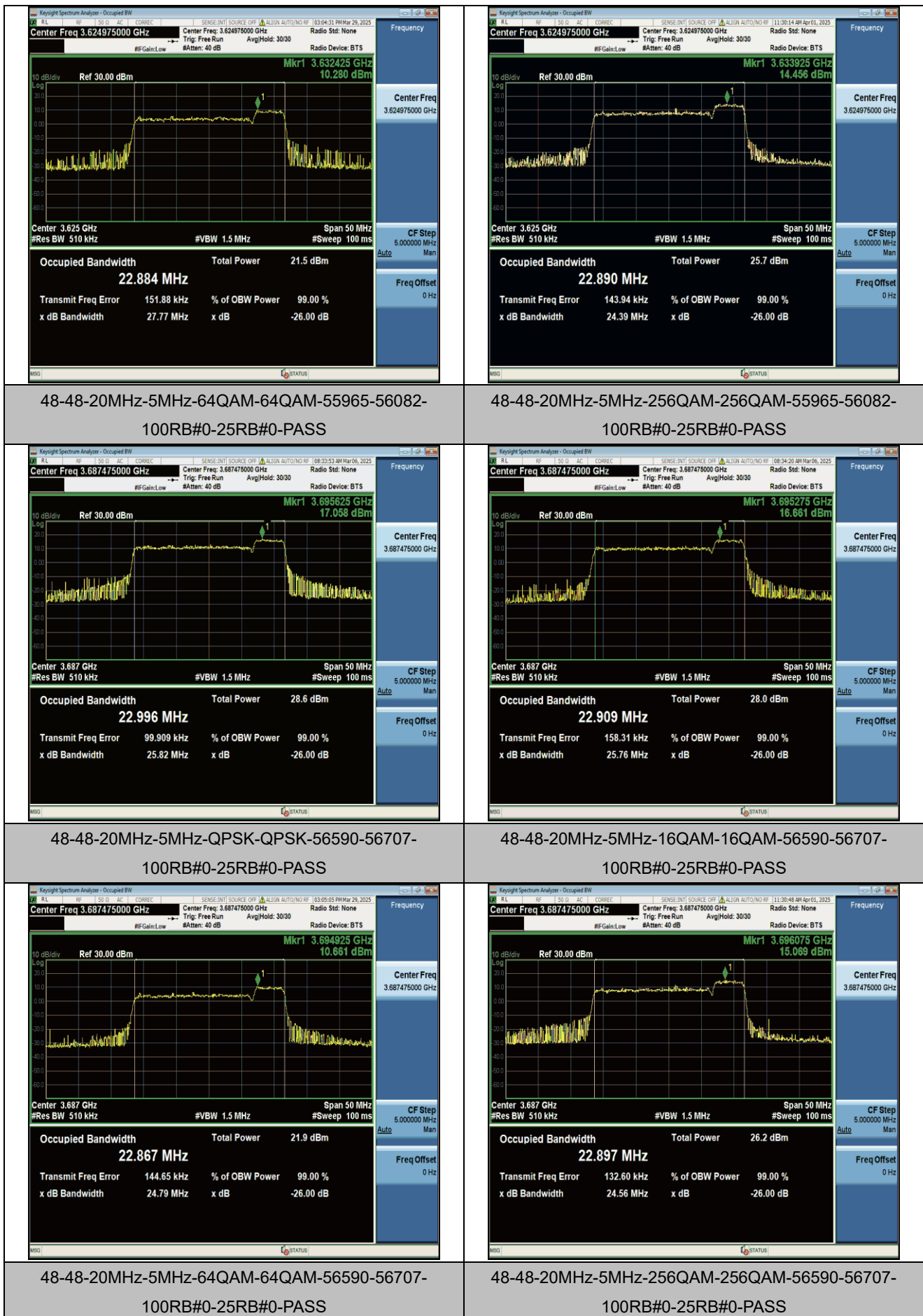








Center Freq 3.562475000 GHz Center Freq 3.562475000 GHz Trig: Free Run Avg/Hold: 30/30 Radio Device: BTS Ref 30.00 dBm Mkr1 3.570775 GHz 15.950 dBm Center Freq 3.562475000 GHz Span 50 MHz #Res BW 510 kHz #VBW 1.5 MHz #Sweep 100 ms CF Step 5.000000 MHz Auto Man Occupied Bandwidth 22.964 MHz Total Power 28.0 dBm Transmit Freq Error 118.01 kHz % of OBW Power 99.00 % x dB Bandwidth 26.66 MHz x dB -26.00 dB Freq Offset 0 Hz	Center Freq 3.562475000 GHz Center Freq 3.562475000 GHz Trig: Free Run Avg/Hold: 30/30 Radio Device: BTS Ref 30.00 dBm Mkr1 3.570175 GHz 16.556 dBm Center Freq 3.562475000 GHz Span 50 MHz #Res BW 510 kHz #VBW 1.5 MHz #Sweep 100 ms CF Step 5.000000 MHz Auto Man Occupied Bandwidth 22.911 MHz Total Power 27.5 dBm Transmit Freq Error 167.65 kHz % of OBW Power 99.00 % x dB Bandwidth 26.01 MHz x dB -26.00 dB Freq Offset 0 Hz
48-48-20MHz-5MHz-QPSK-QPSK-55340-55457-100RB#0-25RB#0-PASS	48-48-20MHz-5MHz-16QAM-16QAM-55340-55457-100RB#0-25RB#0-PASS
Center Freq 3.562475000 GHz Center Freq 3.562475000 GHz Trig: Free Run Avg/Hold: 30/30 Radio Device: BTS Ref 30.00 dBm Mkr1 3.569925 GHz 10.083 dBm Center Freq 3.562475000 GHz Span 50 MHz #Res BW 510 kHz #VBW 1.5 MHz #Sweep 100 ms CF Step 5.000000 MHz Auto Man Occupied Bandwidth 22.869 MHz Total Power 21.4 dBm Transmit Freq Error 153.35 kHz % of OBW Power 99.00 % x dB Bandwidth 25.57 MHz x dB -26.00 dB Freq Offset 0 Hz	Center Freq 3.562475000 GHz Center Freq 3.562475000 GHz Trig: Free Run Avg/Hold: 30/30 Radio Device: BTS Ref 30.00 dBm Mkr1 3.571375 GHz 14.273 dBm Center Freq 3.562475000 GHz Span 50 MHz #Res BW 510 kHz #VBW 1.5 MHz #Sweep 100 ms CF Step 5.000000 MHz Auto Man Occupied Bandwidth 22.828 MHz Total Power 25.5 dBm Transmit Freq Error 152.43 kHz % of OBW Power 99.00 % x dB Bandwidth 25.38 MHz x dB -26.00 dB Freq Offset 0 Hz
48-48-20MHz-5MHz-64QAM-64QAM-55340-55457-100RB#0-25RB#0-PASS	48-48-20MHz-5MHz-256QAM-256QAM-55340-55457-100RB#0-25RB#0-PASS
Center Freq 3.624975000 GHz Center Freq 3.624975000 GHz Trig: Free Run Avg/Hold: 30/30 Radio Device: BTS Ref 30.00 dBm Mkr1 3.633125 GHz 16.622 dBm Center Freq 3.624975000 GHz Span 50 MHz #Res BW 510 kHz #VBW 1.5 MHz #Sweep 100 ms CF Step 5.000000 MHz Auto Man Occupied Bandwidth 23.025 MHz Total Power 28.3 dBm Transmit Freq Error 67.614 kHz % of OBW Power 99.00 % x dB Bandwidth 29.16 MHz x dB -26.00 dB Freq Offset 0 Hz	Center Freq 3.624975000 GHz Center Freq 3.624975000 GHz Trig: Free Run Avg/Hold: 30/30 Radio Device: BTS Ref 30.00 dBm Mkr1 3.636075 GHz 16.391 dBm Center Freq 3.624975000 GHz Span 50 MHz #Res BW 510 kHz #VBW 1.5 MHz #Sweep 100 ms CF Step 5.000000 MHz Auto Man Occupied Bandwidth 22.914 MHz Total Power 27.6 dBm Transmit Freq Error 125.01 kHz % of OBW Power 99.00 % x dB Bandwidth 27.27 MHz x dB -26.00 dB Freq Offset 0 Hz
48-48-20MHz-5MHz-QPSK-QPSK-55965-56082-100RB#0-25RB#0-PASS	48-48-20MHz-5MHz-16QAM-16QAM-55965-56082-100RB#0-25RB#0-PASS



Center Freq 3.564950000 GHz Center Freq 3.564950000 GHz Trig: Free Run Avg/Hold: 30/30 Radio Device: BTS Ref 30.00 dBm Mkr1 3.57551 GHz 14.847 dBm Center Freq 3.564950000 GHz Center 3.565 GHz #Res BW 620 kHz #VBW 1.8 MHz #Sweep 100 ms CF Step 6.000000 MHz Auto Man Occupied Bandwidth 27.892 MHz Total Power 28.3 dBm Transmit Freq Error 91.659 kHz % of OBW Power 99.00 % x dB Bandwidth 31.21 MHz x dB -26.00 dB Freq Offset 0 Hz	Center Freq 3.564950000 GHz Center Freq 3.564950000 GHz Trig: Free Run Avg/Hold: 30/30 Radio Device: BTS Ref 30.00 dBm Mkr1 3.57575 GHz 14.366 dBm Center Freq 3.564950000 GHz Center 3.565 GHz #Res BW 620 kHz #VBW 1.8 MHz #Sweep 100 ms CF Step 6.000000 MHz Auto Man Occupied Bandwidth 27.794 MHz Total Power 27.6 dBm Transmit Freq Error 103.38 kHz % of OBW Power 99.00 % x dB Bandwidth 32.65 MHz x dB -26.00 dB Freq Offset 0 Hz
48-48-20MHz-10MHz-QPSK-QPSK-55340-55484- 100RB#0-50RB#0-PASS	48-48-20MHz-10MHz-16QAM-16QAM-55340-55484- 100RB#0-50RB#0-PASS
Center Freq 3.564950000 GHz Center Freq 3.564950000 GHz Trig: Free Run Avg/Hold: 30/30 Radio Device: BTS Ref 30.00 dBm Mkr1 3.57431 GHz 9.0104 dBm Center Freq 3.564950000 GHz Center 3.565 GHz #Res BW 620 kHz #VBW 1.8 MHz #Sweep 100 ms CF Step 6.000000 MHz Auto Man Occupied Bandwidth 27.732 MHz Total Power 21.5 dBm Transmit Freq Error 96.630 kHz % of OBW Power 99.00 % x dB Bandwidth 30.28 MHz x dB -26.00 dB Freq Offset 0 Hz	Center Freq 3.564950000 GHz Center Freq 3.564950000 GHz Trig: Free Run Avg/Hold: 30/30 Radio Device: BTS Ref 30.00 dBm Mkr1 3.57317 GHz 12.670 dBm Center Freq 3.564950000 GHz Center 3.565 GHz #Res BW 620 kHz #VBW 1.8 MHz #Sweep 100 ms CF Step 6.000000 MHz Auto Man Occupied Bandwidth 27.721 MHz Total Power 25.7 dBm Transmit Freq Error 117.41 kHz % of OBW Power 99.00 % x dB Bandwidth 31.02 MHz x dB -26.00 dB Freq Offset 0 Hz
48-48-20MHz-10MHz-64QAM-64QAM-55340-55484- 100RB#0-50RB#0-PASS	48-48-20MHz-10MHz-256QAM-256QAM-55340-55484- 100RB#0-50RB#0-PASS
Center Freq 3.625050000 GHz Center Freq 3.625050000 GHz Trig: Free Run Avg/Hold: 30/30 Radio Device: BTS Ref 30.00 dBm Mkr1 3.63639 GHz 15.081 dBm Center Freq 3.625050000 GHz Center 3.625 GHz #Res BW 620 kHz #VBW 1.8 MHz #Sweep 100 ms CF Step 6.000000 MHz Auto Man Occupied Bandwidth 27.916 MHz Total Power 28.5 dBm Transmit Freq Error 64.935 kHz % of OBW Power 99.00 % x dB Bandwidth 34.59 MHz x dB -26.00 dB Freq Offset 0 Hz	Center Freq 3.625050000 GHz Center Freq 3.625050000 GHz Trig: Free Run Avg/Hold: 30/30 Radio Device: BTS Ref 30.00 dBm Mkr1 3.63423 GHz 14.773 dBm Center Freq 3.625050000 GHz Center 3.625 GHz #Res BW 620 kHz #VBW 1.8 MHz #Sweep 100 ms CF Step 6.000000 MHz Auto Man Occupied Bandwidth 27.828 MHz Total Power 27.8 dBm Transmit Freq Error 143.67 kHz % of OBW Power 99.00 % x dB Bandwidth 39.15 MHz x dB -26.00 dB Freq Offset 0 Hz
48-48-20MHz-10MHz-QPSK-QPSK-55941-56085- 100RB#0-50RB#0-PASS	48-48-20MHz-10MHz-16QAM-16QAM-55941-56085- 100RB#0-50RB#0-PASS

