

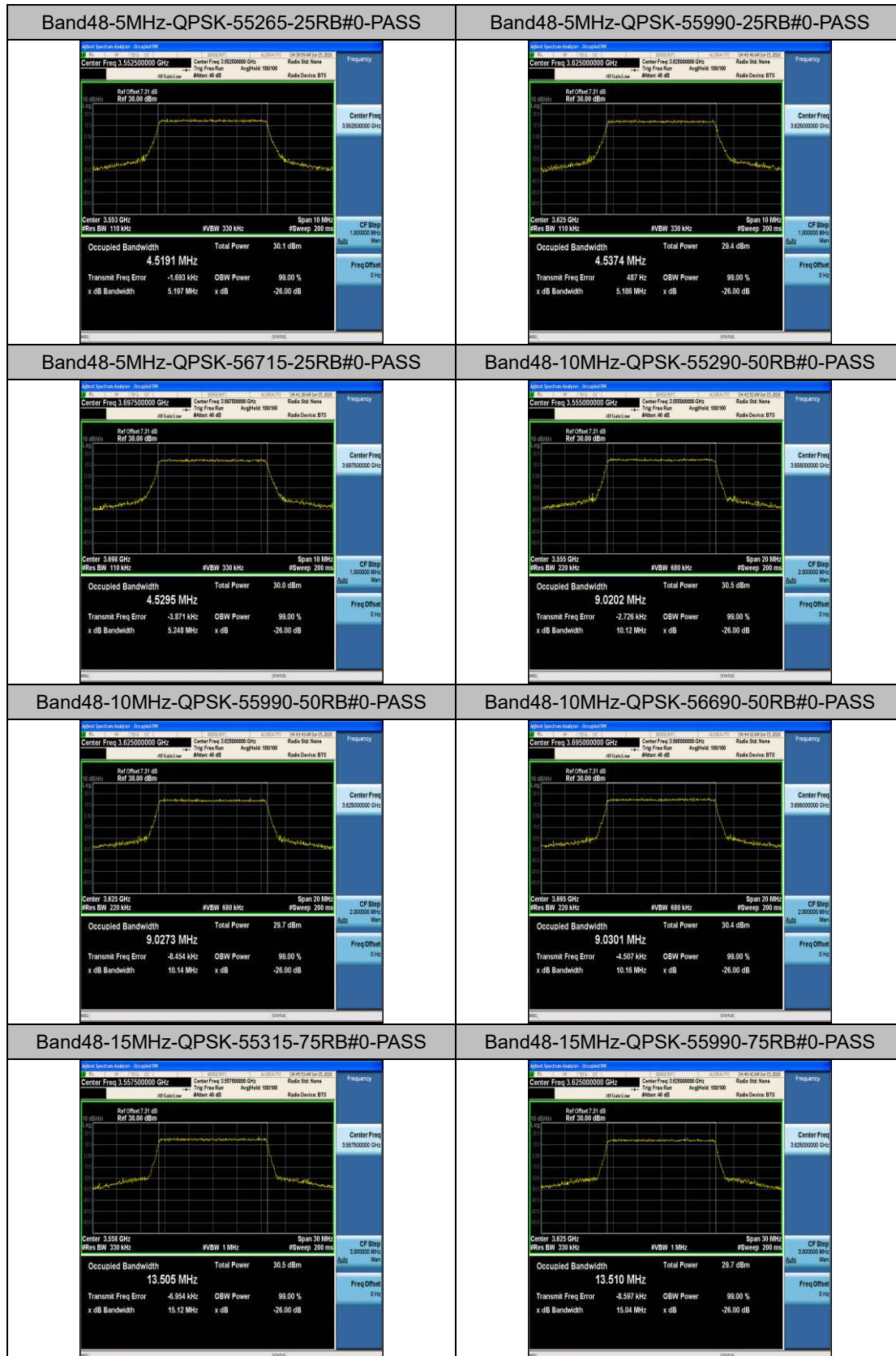
Appendix C: 26dB Bandwidth and Occupied Bandwidth_Single

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band48	5MHz	QPSK	55265	25RB#0	4.5191	5.197	PASS
Band48	5MHz	QPSK	55990	25RB#0	4.5374	5.186	PASS
Band48	5MHz	QPSK	56715	25RB#0	4.5295	5.248	PASS
Band48	10MHz	QPSK	55290	50RB#0	9.0202	10.12	PASS
Band48	10MHz	QPSK	55990	50RB#0	9.0273	10.14	PASS
Band48	10MHz	QPSK	56690	50RB#0	9.0301	10.16	PASS
Band48	15MHz	QPSK	55315	75RB#0	13.505	15.12	PASS
Band48	15MHz	QPSK	55990	75RB#0	13.510	15.04	PASS
Band48	15MHz	QPSK	56665	75RB#0	13.547	15.09	PASS
Band48	20MHz	QPSK	55340	100RB#0	18.030	19.85	PASS
Band48	20MHz	QPSK	55990	100RB#0	18.011	19.86	PASS
Band48	20MHz	QPSK	56640	100RB#0	18.012	19.96	PASS
Band48	5MHz	16QAM	55265	25RB#0	4.5205	5.209	PASS
Band48	5MHz	16QAM	55990	25RB#0	4.5278	5.191	PASS
Band48	5MHz	16QAM	56715	25RB#0	4.5256	5.239	PASS
Band48	10MHz	16QAM	55290	50RB#0	9.0174	10.13	PASS
Band48	10MHz	16QAM	55990	50RB#0	9.0388	10.21	PASS
Band48	10MHz	16QAM	56690	50RB#0	9.0351	10.22	PASS
Band48	15MHz	16QAM	55315	75RB#0	13.521	15.05	PASS
Band48	15MHz	16QAM	55990	75RB#0	13.521	15.07	PASS
Band48	15MHz	16QAM	56665	75RB#0	13.517	15.09	PASS
Band48	20MHz	16QAM	55340	100RB#0	18.022	19.81	PASS
Band48	20MHz	16QAM	55990	100RB#0	18.055	19.98	PASS
Band48	20MHz	16QAM	56640	100RB#0	17.985	19.87	PASS
Band48	5MHz	64QAM	55265	25RB#0	4.5126	5.194	PASS
Band48	5MHz	64QAM	55990	25RB#0	4.5157	5.194	PASS
Band48	5MHz	64QAM	56715	25RB#0	4.5263	5.190	PASS
Band48	10MHz	64QAM	55290	50RB#0	9.0235	10.18	PASS
Band48	10MHz	64QAM	55990	50RB#0	9.0217	10.09	PASS
Band48	10MHz	64QAM	56690	50RB#0	9.0174	10.15	PASS
Band48	15MHz	64QAM	55315	75RB#0	13.498	15.06	PASS
Band48	15MHz	64QAM	55990	75RB#0	13.534	15.05	PASS
Band48	15MHz	64QAM	56665	75RB#0	13.534	14.98	PASS
Band48	20MHz	64QAM	55340	100RB#0	17.991	19.83	PASS

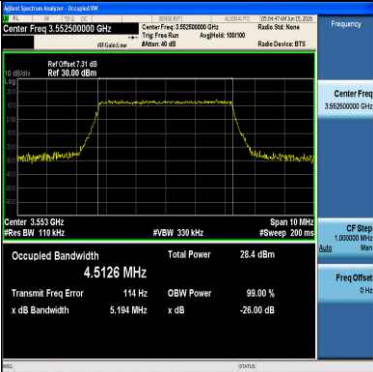
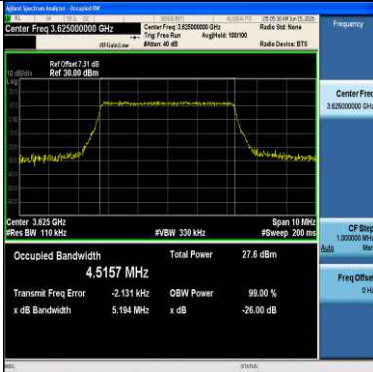
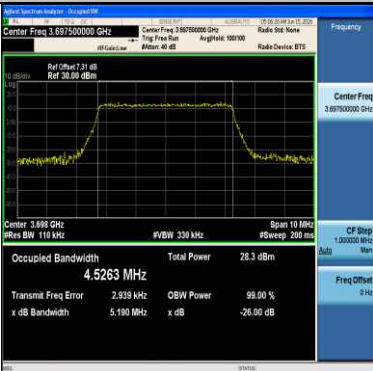
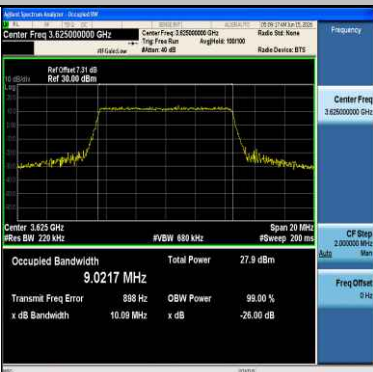
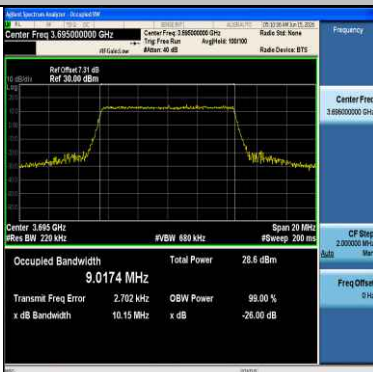
Band48	20MHz	64QAM	55990	100RB#0	18.020	19.90	PASS
Band48	20MHz	64QAM	56640	100RB#0	18.013	19.89	PASS
Band48	5MHz	256QAM	55265	25RB#0	4.5184	5.216	PASS
Band48	5MHz	256QAM	55990	25RB#0	4.5234	5.166	PASS
Band48	5MHz	256QAM	56715	25RB#0	4.5021	4.870	PASS
Band48	10MHz	256QAM	55290	50RB#0	9.0057	10.13	PASS
Band48	10MHz	256QAM	55990	50RB#0	9.0203	10.17	PASS
Band48	10MHz	256QAM	56690	50RB#0	8.9793	9.624	PASS
Band48	15MHz	256QAM	55315	75RB#0	13.523	15.00	PASS
Band48	15MHz	256QAM	55990	75RB#0	13.479	14.27	PASS
Band48	15MHz	256QAM	56665	75RB#0	13.525	15.05	PASS
Band48	20MHz	256QAM	55340	100RB#0	18.004	19.95	PASS
Band48	20MHz	256QAM	55990	100RB#0	17.963	19.81	PASS
Band48	20MHz	256QAM	56640	100RB#0	18.018	19.91	PASS

Test Graphs



Band48-15MHz-QPSK-56665-75RB#0-PASS Center Freq 3.69250000 GHz Ref Offset 7.31 dB Ref 30.00 dBm Center 3.693 GHz RBW 330 kHz Span 30 MHz VBW 1 MHz Sweep 200 ms CF Stop 3.000000 MHz Occupied Bandwidth 13.547 MHz Total Power 30.4 dBm Transmit Freq Error 5.368 kHz C/N Power 99.00 % x dB Bandwidth 15.09 MHz x dB -26.00 dB	Band48-20MHz-QPSK-55340-100RB#0-PASS Center Freq 3.56000000 GHz Ref Offset 7.31 dB Ref 30.00 dBm Center 3.56 GHz RBW 430 kHz Span 40 MHz VBW 1.5 MHz Sweep 200 ms CF Stop 4.000000 MHz Occupied Bandwidth 18.030 MHz Total Power 30.6 dBm Transmit Freq Error 4.488 kHz C/N Power 99.00 % x dB Bandwidth 19.85 MHz x dB -26.00 dB
Band48-20MHz-QPSK-55990-100RB#0-PASS Center Freq 3.62500000 GHz Ref Offset 7.31 dB Ref 30.00 dBm Center 3.625 GHz RBW 430 kHz Span 40 MHz VBW 1.5 MHz Sweep 200 ms CF Stop 4.000000 MHz Occupied Bandwidth 18.011 MHz Total Power 29.9 dBm Transmit Freq Error 6.122 kHz C/N Power 99.00 % x dB Bandwidth 19.86 MHz x dB -26.00 dB	Band48-20MHz-QPSK-56640-100RB#0-PASS Center Freq 3.56000000 GHz Ref Offset 7.31 dB Ref 30.00 dBm Center 3.56 GHz RBW 430 kHz Span 40 MHz VBW 1.5 MHz Sweep 200 ms CF Stop 4.000000 MHz Occupied Bandwidth 18.012 MHz Total Power 30.6 dBm Transmit Freq Error 2.002 kHz C/N Power 99.00 % x dB Bandwidth 19.98 MHz x dB -26.00 dB
Band48-5MHz-16QAM-55265-25RB#0-PASS Center Freq 3.62500000 GHz Ref Offset 7.31 dB Ref 30.00 dBm Center 3.625 GHz RBW 330 kHz Span 10 MHz VBW 330 kHz Sweep 200 ms CF Stop 1.000000 MHz Occupied Bandwidth 4.5205 MHz Total Power 29.3 dBm Transmit Freq Error 2.519 kHz C/N Power 99.00 % x dB Bandwidth 5.208 MHz x dB -26.00 dB	Band48-5MHz-16QAM-55990-25RB#0-PASS Center Freq 3.62500000 GHz Ref Offset 7.31 dB Ref 30.00 dBm Center 3.625 GHz RBW 330 kHz Span 10 MHz VBW 330 kHz Sweep 200 ms CF Stop 1.000000 MHz Occupied Bandwidth 4.5278 MHz Total Power 28.6 dBm Transmit Freq Error 3.645 kHz C/N Power 99.00 % x dB Bandwidth 5.191 MHz x dB -26.00 dB
Band48-5MHz-16QAM-56715-25RB#0-PASS Center Freq 3.69750000 GHz Ref Offset 7.31 dB Ref 30.00 dBm Center 3.698 GHz RBW 330 kHz Span 10 MHz VBW 330 kHz Sweep 200 ms CF Stop 1.000000 MHz Occupied Bandwidth 4.5256 MHz Total Power 29.2 dBm Transmit Freq Error 2.220 kHz C/N Power 99.00 % x dB Bandwidth 5.239 MHz x dB -26.00 dB	Band48-10MHz-16QAM-55290-50RB#0-PASS Center Freq 3.55500000 GHz Ref Offset 7.31 dB Ref 30.00 dBm Center 3.555 GHz RBW 220 kHz Span 20 MHz VBW 600 kHz Sweep 200 ms CF Stop 2.000000 MHz Occupied Bandwidth 9.0174 MHz Total Power 29.7 dBm Transmit Freq Error 324 Hz C/N Power 99.00 % x dB Bandwidth 10.13 MHz x dB -26.00 dB

Band48-10MHz-16QAM-55990-50RB#0-PASS Center Freq 3.62500000 GHz Ref Offset 7.31 dB Ref 30.00 dBm Center 3.625 GHz #Res BW 200 kHz #VBW 600 kHz Span 20 MHz #Sweep 200 ms Occupied Bandwidth 9.0388 MHz Total Power 29.9 dBm Transmit Freq Error -0.022 kHz OSW Power 99.00 % x dB Bandwidth 10.21 MHz x dB -26.00 dB	Band48-10MHz-16QAM-56690-50RB#0-PASS Center Freq 3.69500000 GHz Ref Offset 7.31 dB Ref 30.00 dBm Center 3.695 GHz #Res BW 200 kHz #VBW 600 kHz Span 20 MHz #Sweep 200 ms Occupied Bandwidth 9.0351 MHz Total Power 29.6 dBm Transmit Freq Error 1.680 kHz OSW Power 99.00 % x dB Bandwidth 10.22 MHz x dB -26.00 dB
Band48-15MHz-16QAM-55315-75RB#0-PASS Center Freq 3.55750000 GHz Ref Offset 7.31 dB Ref 30.00 dBm Center 3.558 GHz #Res BW 200 kHz #VBW 1 MHz Span 30 MHz #Sweep 200 ms Occupied Bandwidth 13.521 MHz Total Power 29.7 dBm Transmit Freq Error -14 Hz OSW Power 99.00 % x dB Bandwidth 15.05 MHz x dB -26.00 dB	Band48-15MHz-16QAM-55990-75RB#0-PASS Center Freq 3.62500000 GHz Ref Offset 7.31 dB Ref 30.00 dBm Center 3.625 GHz #Res BW 200 kHz #VBW 1 MHz Span 30 MHz #Sweep 200 ms Occupied Bandwidth 13.521 MHz Total Power 29.8 dBm Transmit Freq Error -4.372 kHz OSW Power 99.00 % x dB Bandwidth 15.07 MHz x dB -26.00 dB
Band48-15MHz-16QAM-56665-75RB#0-PASS Center Freq 3.59250000 GHz Ref Offset 7.31 dB Ref 30.00 dBm Center 3.593 GHz #Res BW 200 kHz #VBW 1 MHz Span 30 MHz #Sweep 200 ms Occupied Bandwidth 13.517 MHz Total Power 29.6 dBm Transmit Freq Error -3.860 kHz OSW Power 99.00 % x dB Bandwidth 15.09 MHz x dB -26.00 dB	Band48-20MHz-16QAM-55340-100RB#0-PASS Center Freq 3.56000000 GHz Ref Offset 7.31 dB Ref 30.00 dBm Center 3.56 GHz #Res BW 400 kHz #VBW 1.5 MHz Span 40 MHz #Sweep 200 ms Occupied Bandwidth 18.022 MHz Total Power 29.8 dBm Transmit Freq Error 1.667 kHz OSW Power 99.00 % x dB Bandwidth 19.81 MHz x dB -26.00 dB
Band48-20MHz-16QAM-55990-100RB#0-PASS Center Freq 3.62500000 GHz Ref Offset 7.31 dB Ref 30.00 dBm Center 3.625 GHz #Res BW 400 kHz #VBW 1.5 MHz Span 40 MHz #Sweep 200 ms Occupied Bandwidth 18.055 MHz Total Power 29.9 dBm Transmit Freq Error -12.337 kHz OSW Power 99.00 % x dB Bandwidth 19.98 MHz x dB -26.00 dB	Band48-20MHz-16QAM-56640-100RB#0-PASS Center Freq 3.69000000 GHz Ref Offset 7.31 dB Ref 30.00 dBm Center 3.69 GHz #Res BW 400 kHz #VBW 1.5 MHz Span 40 MHz #Sweep 200 ms Occupied Bandwidth 17.985 MHz Total Power 29.7 dBm Transmit Freq Error 26.510 kHz OSW Power 99.00 % x dB Bandwidth 19.87 MHz x dB -26.00 dB

Band48-5MHz-64QAM-55265-25RB#0-PASS  Center Freq 3.55250000 GHz Ref Offset 7.31 dB Ref 38.00 dBm Center 3.553 GHz Span 10 MHz Res BW 110 kHz VBW 330 kHz IF Sweep 200 ms CF Stop 1.000000 MHz Occupied Bandwidth 4.5126 MHz Total Power 28.4 dBm Transmit Freq Error 114 Hz OSW Power 99.00 % x dB Bandwidth 5.194 MHz x dB -26.00 dB	Band48-5MHz-64QAM-55990-25RB#0-PASS  Center Freq 3.62500000 GHz Ref Offset 7.31 dB Ref 38.00 dBm Center 3.625 GHz Span 10 MHz Res BW 110 kHz VBW 330 kHz IF Sweep 200 ms CF Stop 1.000000 MHz Occupied Bandwidth 4.5157 MHz Total Power 27.6 dBm Transmit Freq Error -2.131 kHz OSW Power 99.00 % x dB Bandwidth 5.194 MHz x dB -26.00 dB
Band48-5MHz-64QAM-56715-25RB#0-PASS  Center Freq 3.69750000 GHz Ref Offset 7.31 dB Ref 38.00 dBm Center 3.698 GHz Span 10 MHz Res BW 110 kHz VBW 330 kHz IF Sweep 200 ms CF Stop 1.000000 MHz Occupied Bandwidth 4.5263 MHz Total Power 28.3 dBm Transmit Freq Error 2.939 kHz OSW Power 99.00 % x dB Bandwidth 5.190 MHz x dB -26.00 dB	Band48-10MHz-64QAM-55290-50RB#0-PASS  Center Freq 3.55500000 GHz Ref Offset 7.31 dB Ref 38.00 dBm Center 3.555 GHz Span 20 MHz Res BW 220 kHz VBW 680 kHz IF Sweep 200 ms CF Stop 2.000000 MHz Occupied Bandwidth 9.0235 MHz Total Power 28.7 dBm Transmit Freq Error -2.871 kHz OSW Power 99.00 % x dB Bandwidth 10.18 MHz x dB -26.00 dB
Band48-10MHz-64QAM-55990-50RB#0-PASS  Center Freq 3.62500000 GHz Ref Offset 7.31 dB Ref 38.00 dBm Center 3.625 GHz Span 20 MHz Res BW 220 kHz VBW 680 kHz IF Sweep 200 ms CF Stop 2.000000 MHz Occupied Bandwidth 9.0217 MHz Total Power 27.9 dBm Transmit Freq Error 888 Hz OSW Power 99.00 % x dB Bandwidth 10.09 MHz x dB -26.00 dB	Band48-10MHz-64QAM-56690-50RB#0-PASS  Center Freq 3.69500000 GHz Ref Offset 7.31 dB Ref 38.00 dBm Center 3.695 GHz Span 20 MHz Res BW 220 kHz VBW 680 kHz IF Sweep 200 ms CF Stop 2.000000 MHz Occupied Bandwidth 9.0174 MHz Total Power 28.6 dBm Transmit Freq Error 2.702 kHz OSW Power 99.00 % x dB Bandwidth 10.15 MHz x dB -26.00 dB
Band48-15MHz-64QAM-55315-75RB#0-PASS  Center Freq 3.55750000 GHz Ref Offset 7.31 dB Ref 38.00 dBm Center 3.558 GHz Span 30 MHz Res BW 330 kHz VBW 1 MHz IF Sweep 200 ms CF Stop 3.000000 MHz Occupied Bandwidth 13.498 MHz Total Power 28.7 dBm Transmit Freq Error 4.871 kHz OSW Power 99.00 % x dB Bandwidth 15.06 MHz x dB -26.00 dB	Band48-15MHz-64QAM-55990-75RB#0-PASS  Center Freq 3.62500000 GHz Ref Offset 7.31 dB Ref 38.00 dBm Center 3.625 GHz Span 30 MHz Res BW 330 kHz VBW 1 MHz IF Sweep 200 ms CF Stop 3.000000 MHz Occupied Bandwidth 13.534 MHz Total Power 28.0 dBm Transmit Freq Error -13.720 kHz OSW Power 99.00 % x dB Bandwidth 15.05 MHz x dB -26.00 dB

