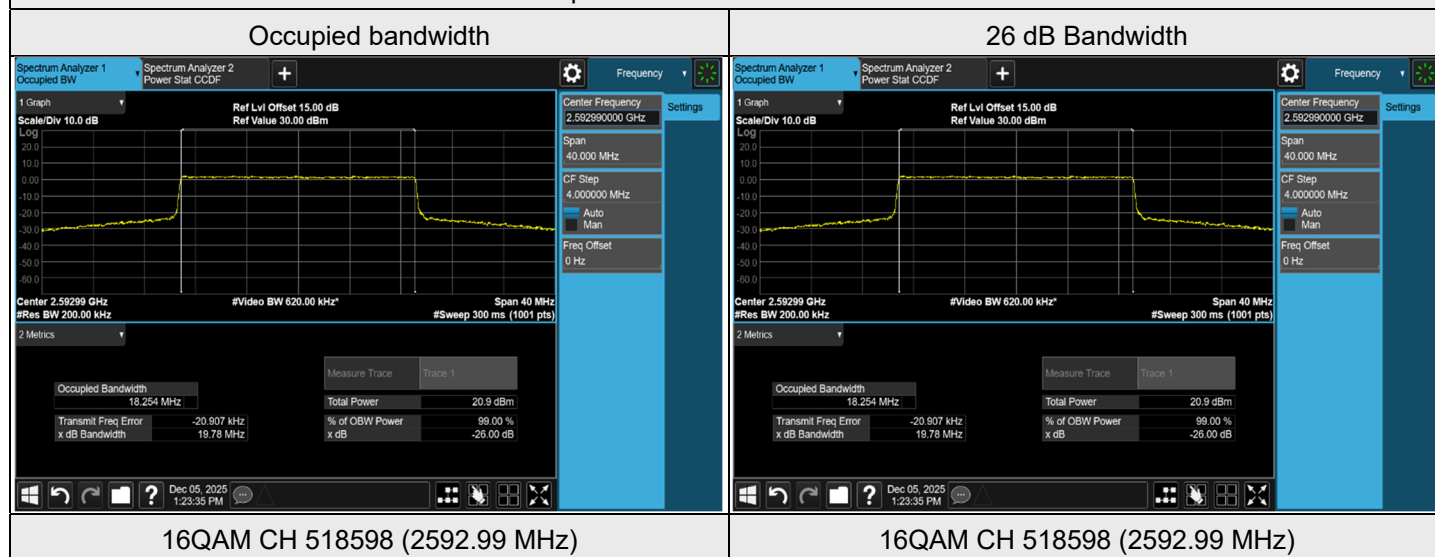


7.4.2 NR n41 SCS 30 kHz - SISO

NR n41 SCS 30 kHz, SISO, Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	501204	2506.02	17.851	18.89
BPSK	518598	2592.99	17.863	18.93
BPSK	535998	2679.99	17.860	18.86
QPSK	501204	2506.02	18.230	19.58
QPSK	518598	2592.99	18.248	19.55
QPSK	535998	2679.99	18.229	19.60
16QAM	501204	2506.02	18.225	19.67
16QAM	518598	2592.99	18.254	19.78
16QAM	535998	2679.99	18.230	19.60
64QAM	501204	2506.02	18.231	19.65
64QAM	518598	2592.99	18.236	19.69
64QAM	535998	2679.99	18.235	19.67
256QAM	501204	2506.02	18.206	19.10
256QAM	518598	2592.99	18.210	19.21
256QAM	535998	2679.99	18.207	19.14

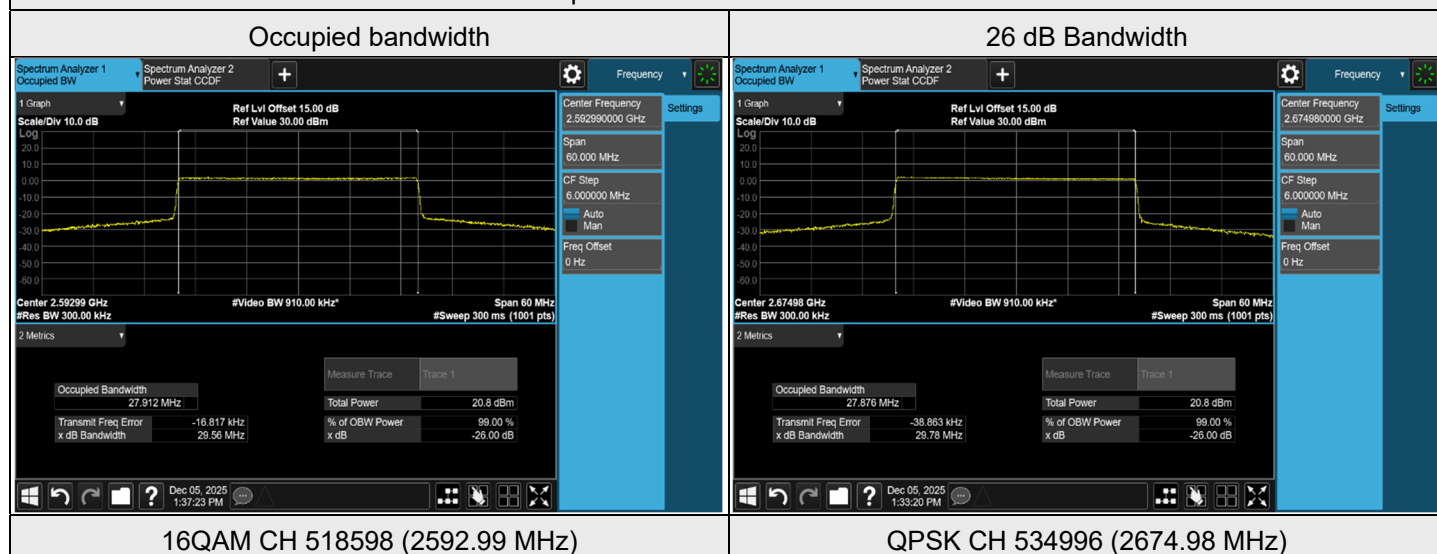
Spectrum Plot of Worst Value



NR n41 SCS 30 kHz, SISO, Channel Bandwidth: 30 MHz

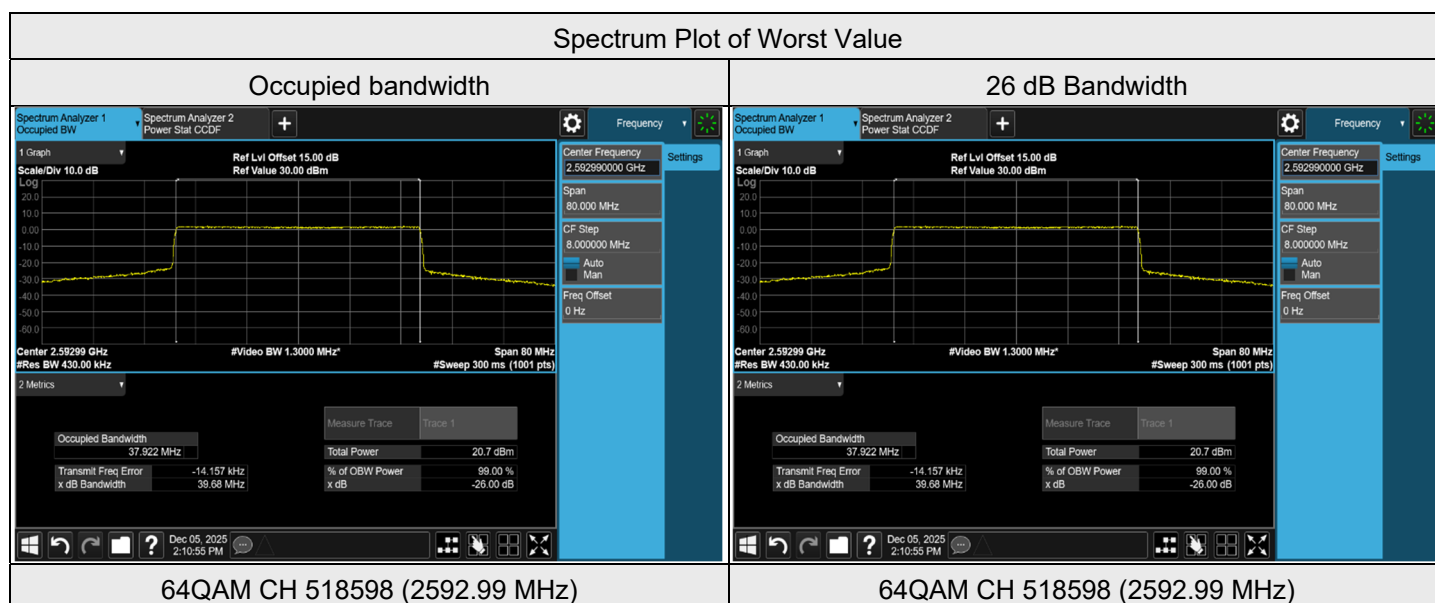
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	502200	2511	26.757	28.40
BPSK	518598	2592.99	26.781	28.22
BPSK	534996	2674.98	26.772	28.26
QPSK	502200	2511	27.871	29.72
QPSK	518598	2592.99	27.911	29.74
QPSK	534996	2674.98	27.876	29.78
16QAM	502200	2511	27.864	29.52
16QAM	518598	2592.99	27.912	29.56
16QAM	534996	2674.98	27.859	29.28
64QAM	502200	2511	27.878	29.55
64QAM	518598	2592.99	27.910	29.58
64QAM	534996	2674.98	27.878	29.37
256QAM	502200	2511	27.825	28.88
256QAM	518598	2592.99	27.861	28.96
256QAM	534996	2674.98	27.845	28.95

Spectrum Plot of Worst Value



NR n41 SCS 30 kHz, SISO, Channel Bandwidth: 40 MHz

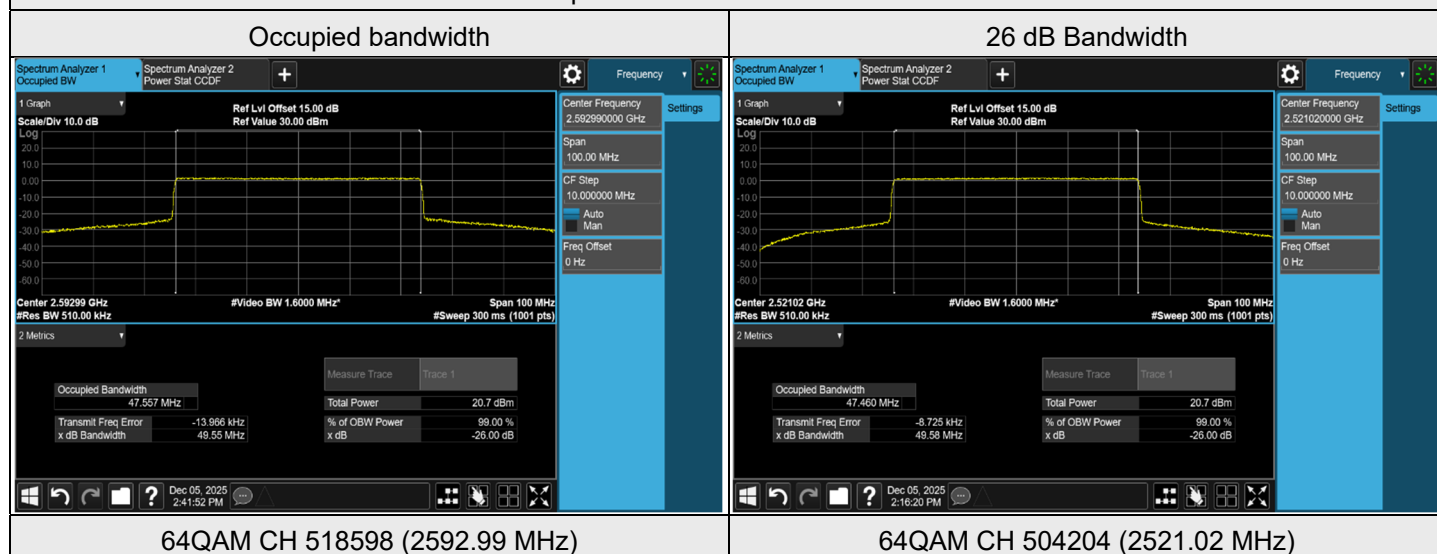
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	503202	2516.01	35.664	37.22
BPSK	518598	2592.99	35.737	37.39
BPSK	534000	2670	35.709	37.35
QPSK	503202	2516.01	37.850	39.52
QPSK	518598	2592.99	37.913	39.68
QPSK	534000	2670	37.866	39.62
16QAM	503202	2516.01	37.849	39.48
16QAM	518598	2592.99	37.917	39.47
16QAM	534000	2670	37.868	39.46
64QAM	503202	2516.01	37.838	39.61
64QAM	518598	2592.99	37.922	39.68
64QAM	534000	2670	37.872	39.64
256QAM	503202	2516.01	37.804	39.27
256QAM	518598	2592.99	37.858	39.28
256QAM	534000	2670	37.835	39.28



NR n41 SCS 30 kHz, SISO, Channel Bandwidth: 50 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	504204	2521.02	45.677	47.51
BPSK	518598	2592.99	45.745	48.22
BPSK	532998	2664.99	45.730	48.23
QPSK	504204	2521.02	47.476	49.40
QPSK	518598	2592.99	47.555	49.41
QPSK	532998	2664.99	47.504	49.40
16QAM	504204	2521.02	47.471	49.38
16QAM	518598	2592.99	47.554	49.33
16QAM	532998	2664.99	47.515	49.38
64QAM	504204	2521.02	47.460	49.58
64QAM	518598	2592.99	47.557	49.55
64QAM	532998	2664.99	47.507	49.54
256QAM	504204	2521.02	47.439	49.08
256QAM	518598	2592.99	47.486	49.16
256QAM	532998	2664.99	47.441	49.11

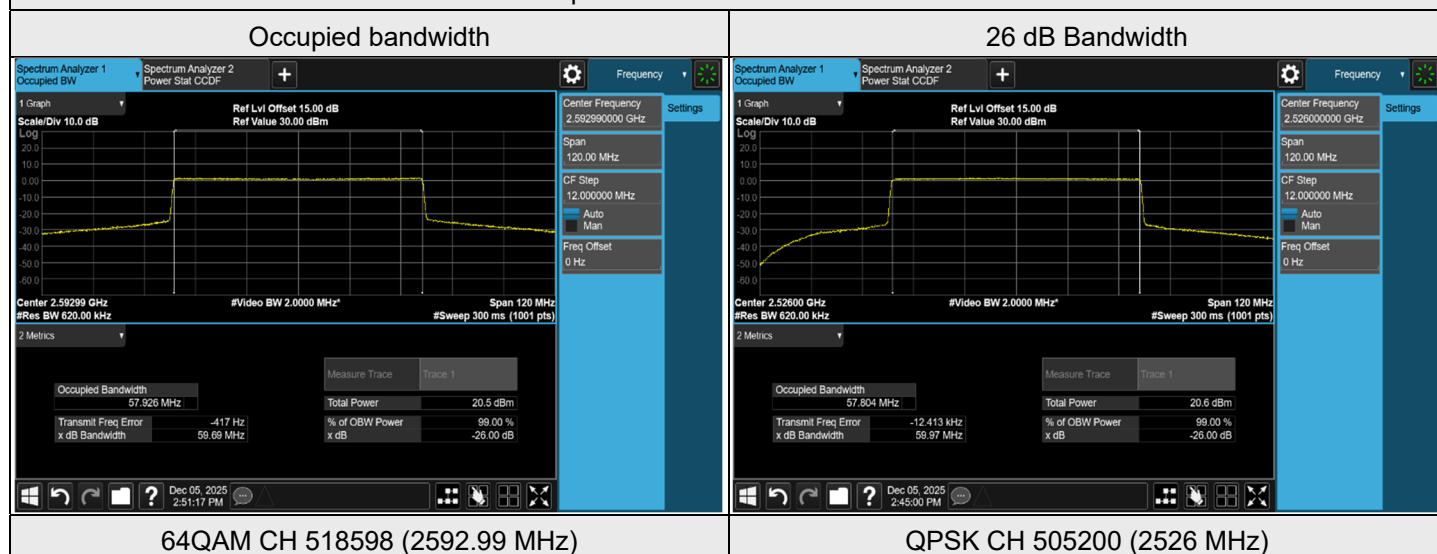
Spectrum Plot of Worst Value



NR n41 SCS 30 kHz, SISO, Channel Bandwidth: 60 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	505200	2526	57.761	59.93
BPSK	518598	2592.99	57.850	59.90
BPSK	531996	2659.98	57.809	59.94
QPSK	505200	2526	57.804	59.97
QPSK	518598	2592.99	57.916	59.90
QPSK	531996	2659.98	57.847	59.92
16QAM	505200	2526	57.793	59.90
16QAM	518598	2592.99	57.919	59.89
16QAM	531996	2659.98	57.834	59.87
64QAM	505200	2526	57.810	59.60
64QAM	518598	2592.99	57.926	59.69
64QAM	531996	2659.98	57.863	59.66
256QAM	505200	2526	57.756	59.83
256QAM	518598	2592.99	57.851	59.87
256QAM	531996	2659.98	57.799	59.80

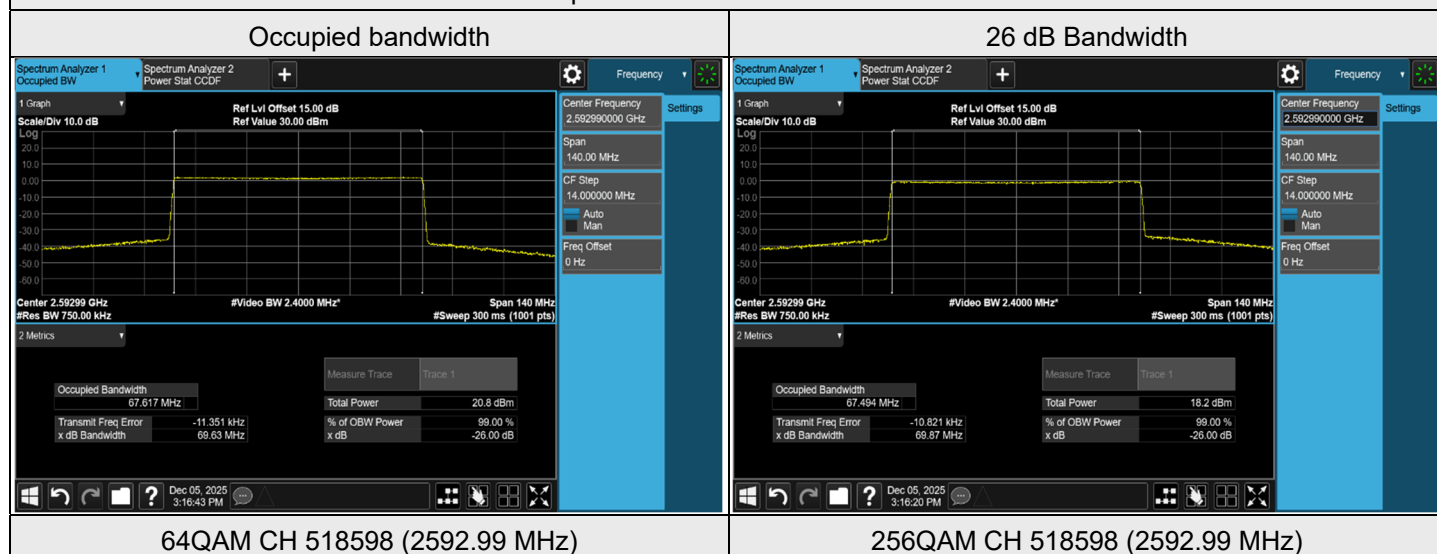
Spectrum Plot of Worst Value



NR n41 SCS 30 kHz, SISO, Channel Bandwidth: 70 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	506202	2531.01	64.169	66.74
BPSK	518598	2592.99	64.358	66.75
BPSK	531000	2655	64.237	66.77
QPSK	506202	2531.01	67.431	69.69
QPSK	518598	2592.99	67.601	69.63
QPSK	531000	2655	67.504	69.68
16QAM	506202	2531.01	67.433	69.65
16QAM	518598	2592.99	67.594	69.61
16QAM	531000	2655	67.505	69.60
64QAM	506202	2531.01	67.448	69.71
64QAM	518598	2592.99	67.617	69.63
64QAM	531000	2655	67.537	69.77
256QAM	506202	2531.01	67.369	69.85
256QAM	518598	2592.99	67.494	69.87
256QAM	531000	2655	67.400	69.82

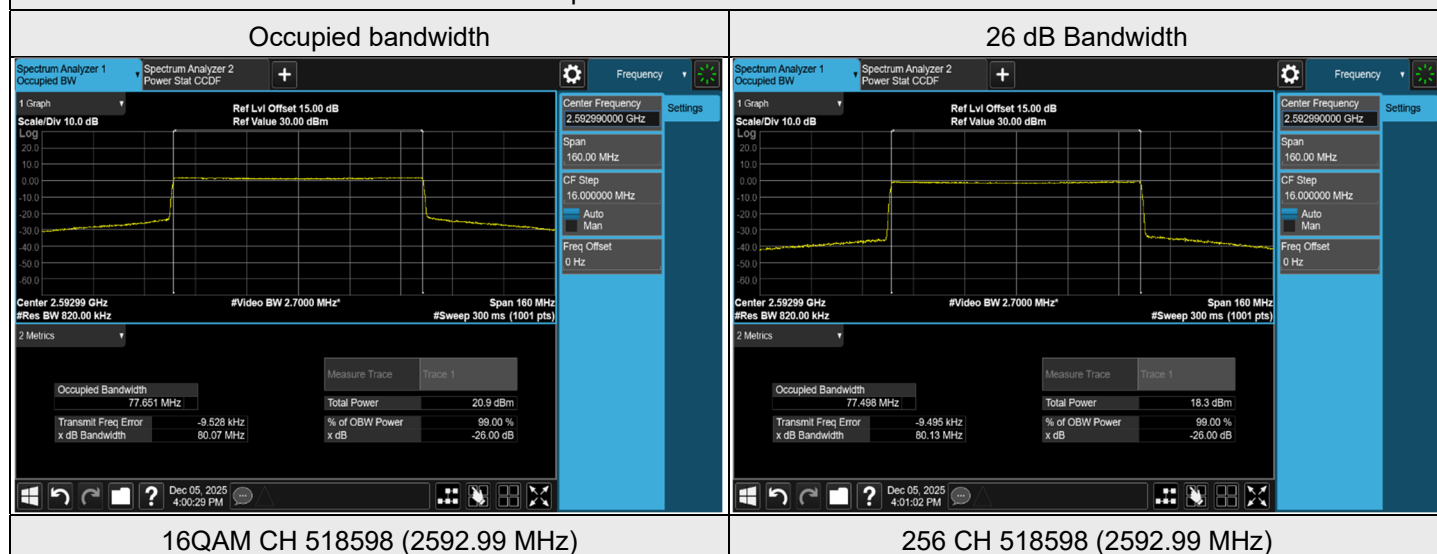
Spectrum Plot of Worst Value



NR n41 SCS 30 kHz, SISO, Channel Bandwidth: 80 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	507204	2536.02	77.032	79.92
BPSK	518598	2592.99	77.238	79.92
BPSK	529998	2649.99	77.093	79.95
QPSK	507204	2536.02	77.408	80.02
QPSK	518598	2592.99	77.633	80.04
QPSK	529998	2649.99	77.484	80.04
16QAM	507204	2536.02	77.410	80.02
16QAM	518598	2592.99	77.651	80.07
16QAM	529998	2649.99	77.497	80.05
64QAM	507204	2536.02	77.402	80.08
64QAM	518598	2592.99	77.621	80.02
64QAM	529998	2649.99	77.477	80.06
256QAM	507204	2536.02	77.328	80.06
256QAM	518598	2592.99	77.498	80.13
256QAM	529998	2649.99	77.367	80.06

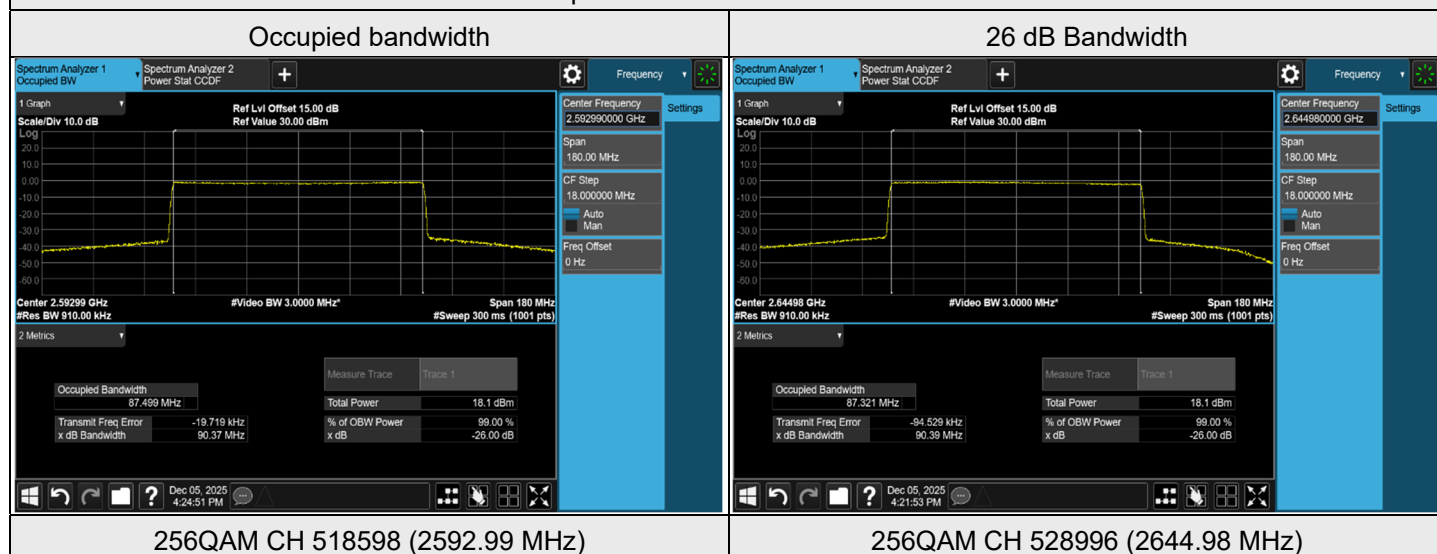
Spectrum Plot of Worst Value



NR n41 SCS 30 kHz, SISO, Channel Bandwidth: 90 MHz

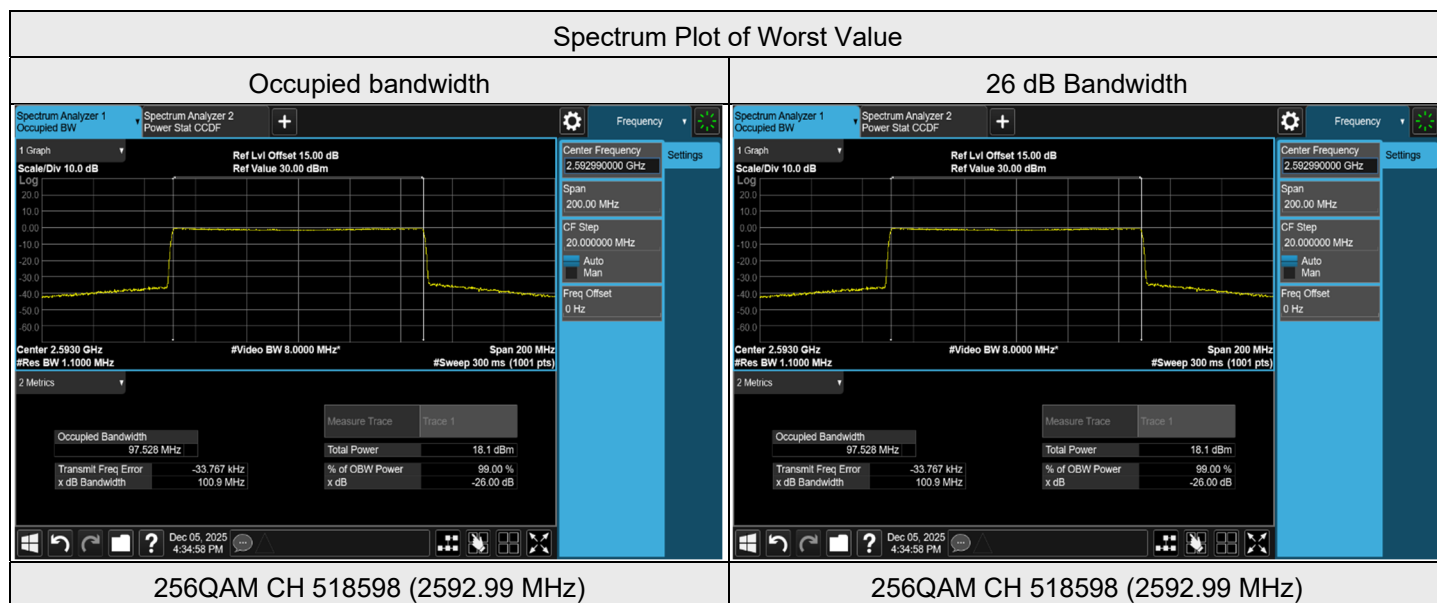
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	508200	2541	86.651	89.89
BPSK	518598	2592.99	86.843	89.89
BPSK	528996	2644.98	86.684	89.86
QPSK	508200	2541	87.488	90.31
QPSK	518598	2592.99	87.410	90.31
QPSK	528996	2644.98	87.439	90.33
16QAM	508200	2541	87.421	90.22
16QAM	518598	2592.99	87.419	90.23
16QAM	528996	2644.98	87.434	90.28
64QAM	508200	2541	87.417	90.36
64QAM	518598	2592.99	87.411	90.37
64QAM	528996	2644.98	87.453	90.32
256QAM	508200	2541	87.380	90.35
256QAM	518598	2592.99	87.499	90.37
256QAM	528996	2644.98	87.321	90.39

Spectrum Plot of Worst Value



NR n41 SCS 30 kHz, SISO, Channel Bandwidth: 100 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	509202	2546.01	97.451	100.8
BPSK	518598	2592.99	97.470	100.8
BPSK	528000	2640	97.465	100.8
QPSK	509202	2546.01	97.451	100.8
QPSK	518598	2592.99	97.470	100.8
QPSK	528000	2640	97.465	100.8
16QAM	509202	2546.01	97.459	100.5
16QAM	518598	2592.99	97.439	100.4
16QAM	528000	2640	97.446	100.5
64QAM	509202	2546.01	97.450	100.5
64QAM	518598	2592.99	97.477	100.6
64QAM	528000	2640	97.484	100.5
256QAM	509202	2546.01	97.354	100.9
256QAM	518598	2592.99	97.528	100.9
256QAM	528000	2640	97.289	100.9

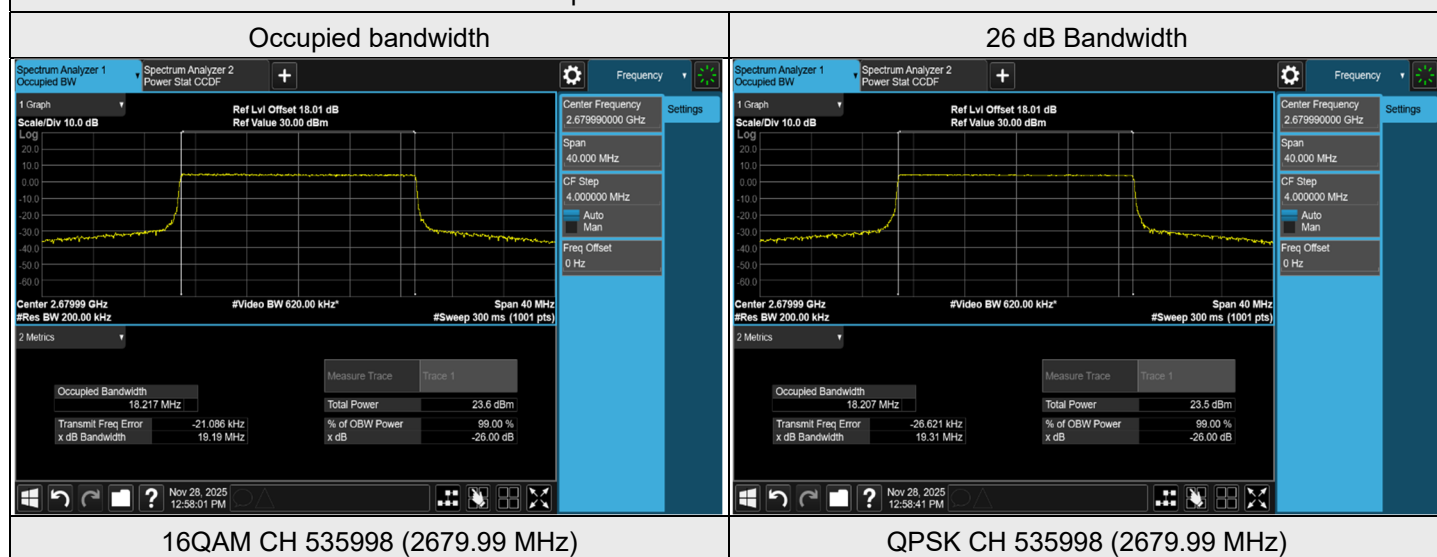


7.4.3 NR n41 SCS 30 kHz - MIMO

NR n41 SCS 30 kHz, MIMO-Ant 0, Channel Bandwidth: 20 MHz

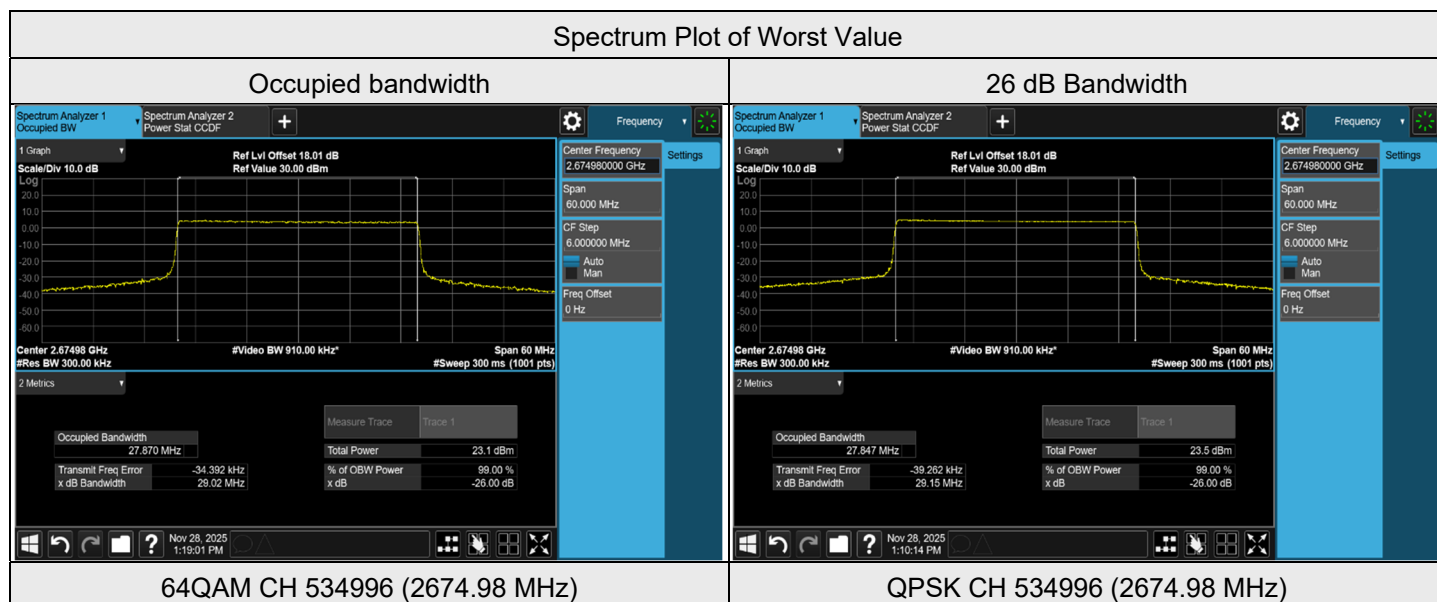
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	501204	2506.02	18.205	19.26
QPSK	518598	2592.99	18.209	19.20
QPSK	535998	2679.99	18.207	19.31
16QAM	501204	2506.02	18.206	19.31
16QAM	518598	2592.99	18.212	19.20
16QAM	535998	2679.99	18.217	19.19
64QAM	501204	2506.02	18.212	19.25
64QAM	518598	2592.99	18.213	19.19
64QAM	535998	2679.99	18.216	19.30
256QAM	501204	2506.02	18.207	19.09
256QAM	518598	2592.99	18.209	19.15
256QAM	535998	2679.99	18.206	19.19

Spectrum Plot of Worst Value



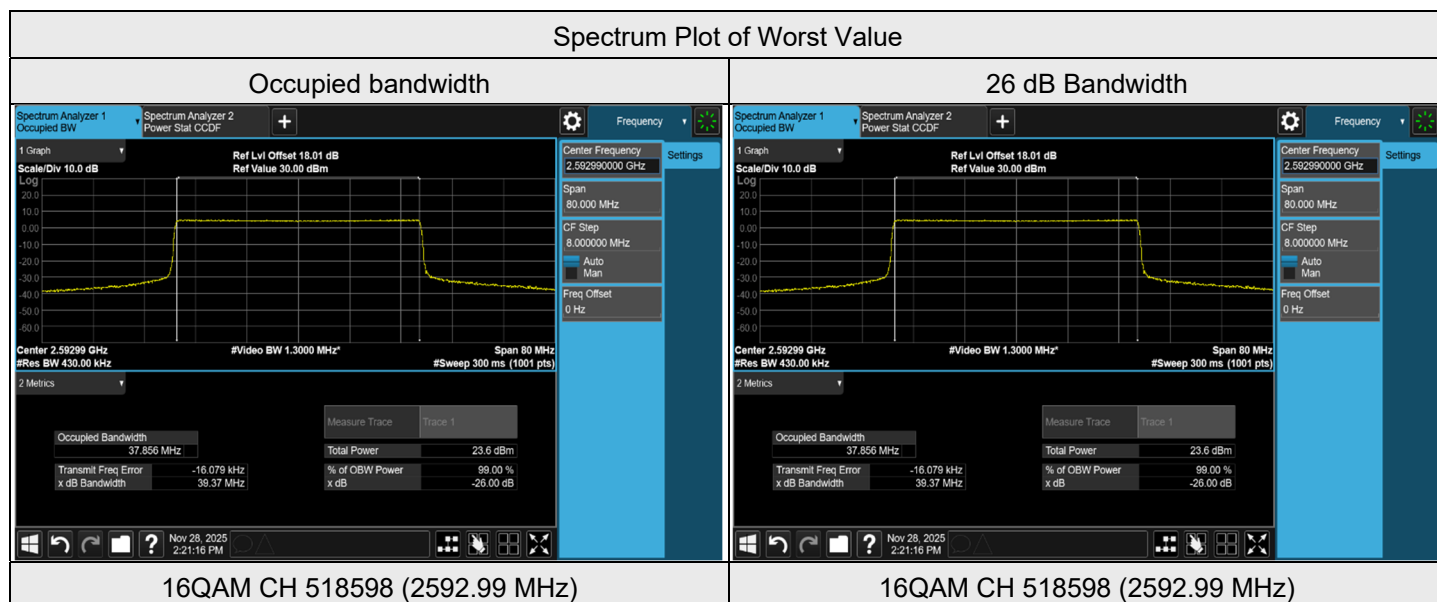
NR n41 SCS 30 kHz, MIMO-Ant 0, Channel Bandwidth: 30 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	502200	2511	27.829	29.05
QPSK	518598	2592.99	27.848	29.07
QPSK	534996	2674.98	27.847	29.15
16QAM	502200	2511	27.824	29.01
16QAM	518598	2592.99	27.857	28.94
16QAM	534996	2674.98	27.861	28.90
64QAM	502200	2511	27.836	29.02
64QAM	518598	2592.99	27.837	29.01
64QAM	534996	2674.98	27.870	29.02
256QAM	502200	2511	27.826	28.96
256QAM	518598	2592.99	27.856	28.90
256QAM	534996	2674.98	27.833	28.92



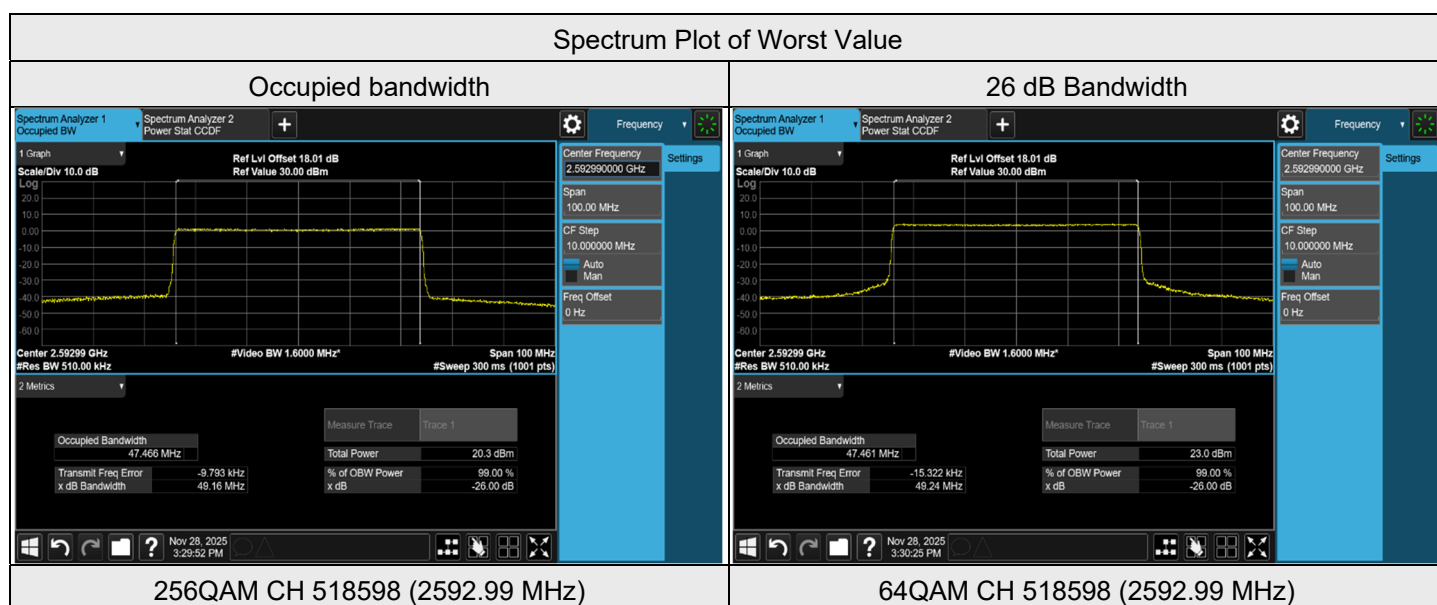
NR n41 SCS 30 kHz, MIMO-Ant 0, Channel Bandwidth: 40 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	503202	2516.01	37.803	39.33
QPSK	518598	2592.99	37.849	39.36
QPSK	534000	2670	37.828	39.35
16QAM	503202	2516.01	37.817	39.30
16QAM	518598	2592.99	37.856	39.37
16QAM	534000	2670	37.823	39.26
64QAM	503202	2516.01	37.799	39.25
64QAM	518598	2592.99	37.852	39.35
64QAM	534000	2670	37.829	39.26
256QAM	503202	2516.01	37.792	39.20
256QAM	518598	2592.99	37.841	39.31
256QAM	534000	2670	37.835	39.25



NR n41 SCS 30 kHz, MIMO-Ant 0, Channel Bandwidth: 50 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	504204	2521.02	47.418	49.14
QPSK	518598	2592.99	47.465	49.17
QPSK	532998	2664.99	47.446	49.14
16QAM	504204	2521.02	47.407	49.14
16QAM	518598	2592.99	47.460	49.17
16QAM	532998	2664.99	47.453	49.17
64QAM	504204	2521.02	47.437	49.18
64QAM	518598	2592.99	47.461	49.24
64QAM	532998	2664.99	47.432	49.15
256QAM	504204	2521.02	47.440	49.16
256QAM	518598	2592.99	47.466	49.16
256QAM	532998	2664.99	47.450	49.15



NR n41 SCS 30 kHz, MIMO-Ant 0, Channel Bandwidth: 60 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	505200	2526	57.746	59.81
QPSK	518598	2592.99	57.835	59.90
QPSK	531996	2659.98	57.780	59.83
16QAM	505200	2526	57.742	59.79
16QAM	518598	2592.99	57.836	59.85
16QAM	531996	2659.98	57.773	59.83
64QAM	505200	2526	57.763	59.81
64QAM	518598	2592.99	57.844	59.86
64QAM	531996	2659.98	57.784	59.84
256QAM	505200	2526	57.723	59.81
256QAM	518598	2592.99	57.844	59.82
256QAM	531996	2659.98	57.756	59.82

