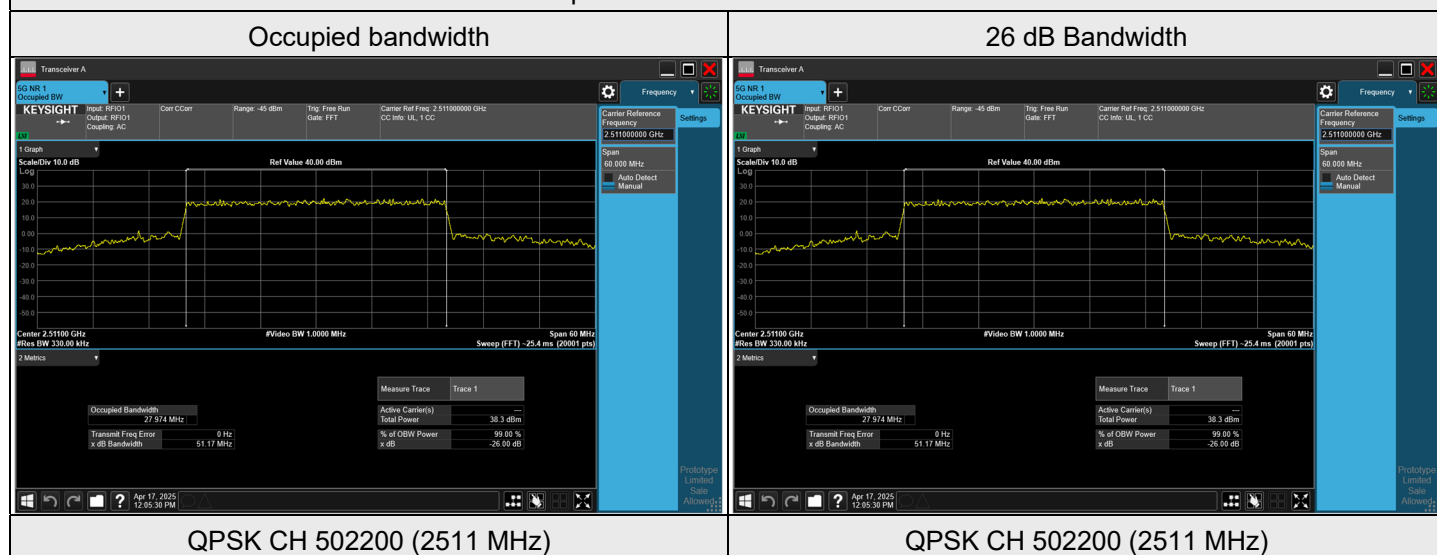


NR n41 SCS 30 kHz, MIMO-Ant 1, Channel Bandwidth: 30 MHz

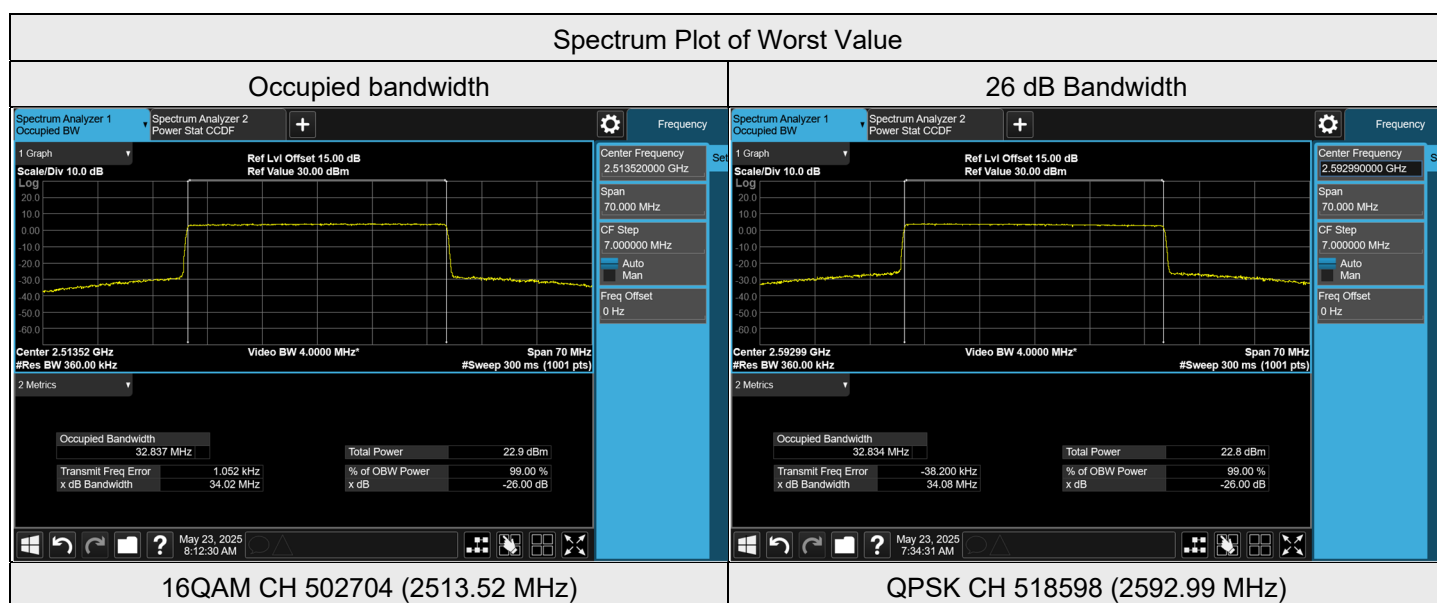
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	502200	2511	27.974	51.17
QPSK	518598	2592.99	27.824	30.57
QPSK	534996	2674.98	27.829	33.86
16QAM	502200	2511	27.962	41.72
16QAM	518598	2592.99	27.807	29.19
16QAM	534996	2674.98	27.849	29.24
64QAM	502200	2511	27.906	43.12
64QAM	518598	2592.99	27.817	29.37
64QAM	534996	2674.98	27.830	29.32
256QAM	502200	2511	27.792	29.33
256QAM	518598	2592.99	27.787	29.24
256QAM	534996	2674.98	27.794	29.22

Spectrum Plot of Worst Value



NR n41 SCS 30 kHz, MIMO-Ant 1, Channel Bandwidth: 35 MHz

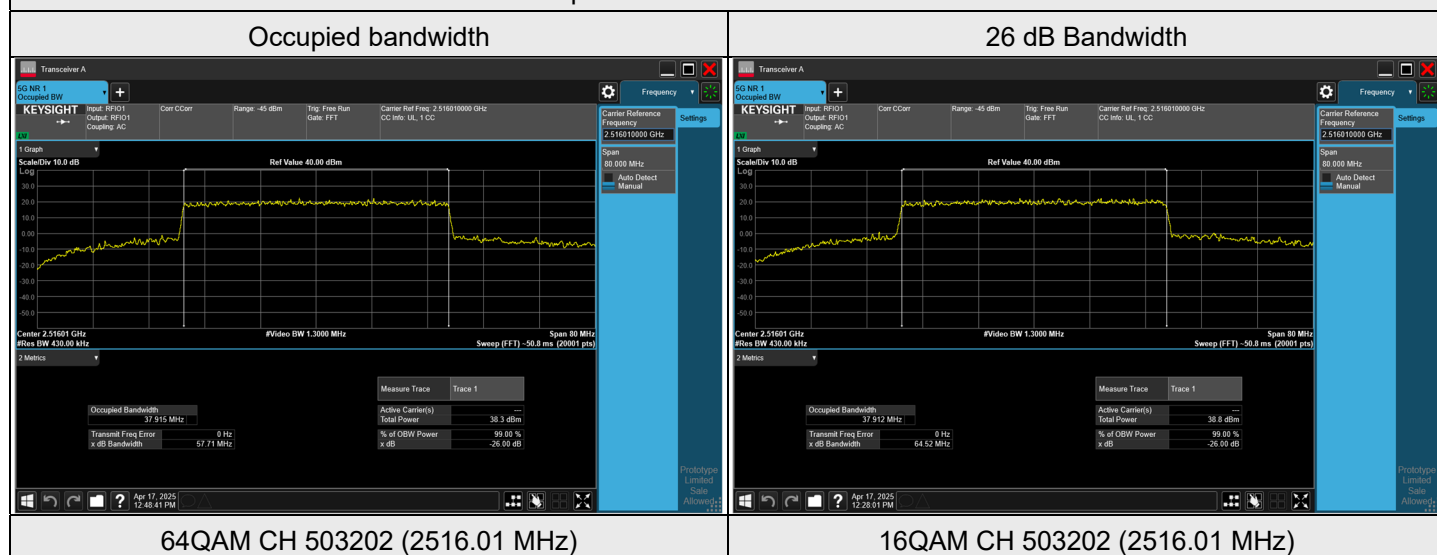
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	502704	2513.52	32.807	34.06
QPSK	518598	2592.99	32.834	34.08
QPSK	534498	2672.49	32.807	34.03
16QAM	502704	2513.52	32.837	34.02
16QAM	518598	2592.99	32.827	34.08
16QAM	534498	2672.49	32.801	34.04
64QAM	502704	2513.52	32.827	34.04
64QAM	518598	2592.99	32.819	34.04
64QAM	534498	2672.49	32.791	34.03
256QAM	502704	2513.52	32.805	34.02
256QAM	518598	2592.99	32.811	34.02
256QAM	534498	2672.49	32.793	34.02



NR n41 SCS 30 kHz, MIMO-Ant 1, Channel Bandwidth: 40 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	503202	2516.01	37.874	54.18
QPSK	518598	2592.99	37.761	39.52
QPSK	534000	2670	37.810	40.56
16QAM	503202	2516.01	37.912	64.52
16QAM	518598	2592.99	37.804	39.38
16QAM	534000	2670	37.835	42.97
64QAM	503202	2516.01	37.915	57.71
64QAM	518598	2592.99	37.867	39.59
64QAM	534000	2670	37.892	39.36
256QAM	503202	2516.01	37.714	39.48
256QAM	518598	2592.99	37.771	39.37
256QAM	534000	2670	37.745	39.58

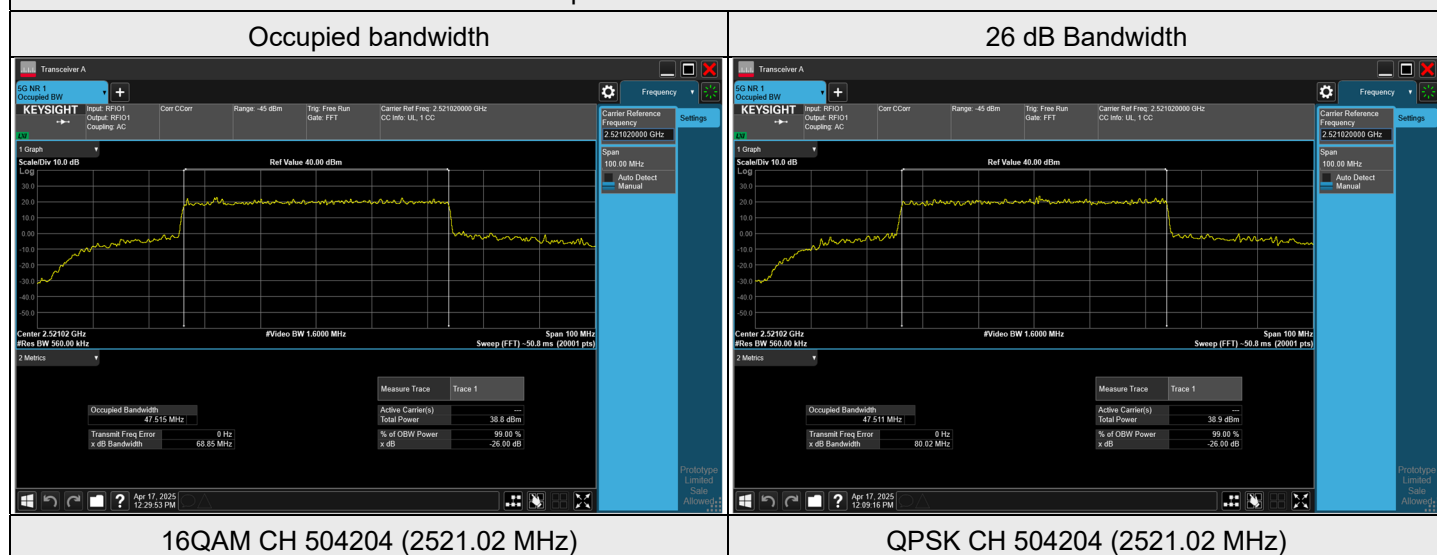
Spectrum Plot of Worst Value



NR n41 SCS 30 kHz, MIMO-Ant 1, Channel Bandwidth: 50 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	504204	2521.02	47.511	80.02
QPSK	518598	2592.99	47.503	50.91
QPSK	532998	2664.99	47.442	51.03
16QAM	504204	2521.02	47.515	68.85
16QAM	518598	2592.99	47.452	63.08
16QAM	532998	2664.99	47.510	66.72
64QAM	504204	2521.02	47.432	54.90
64QAM	518598	2592.99	47.412	49.51
64QAM	532998	2664.99	47.445	52.65
256QAM	504204	2521.02	47.224	49.21
256QAM	518598	2592.99	47.301	49.40
256QAM	532998	2664.99	47.234	49.37

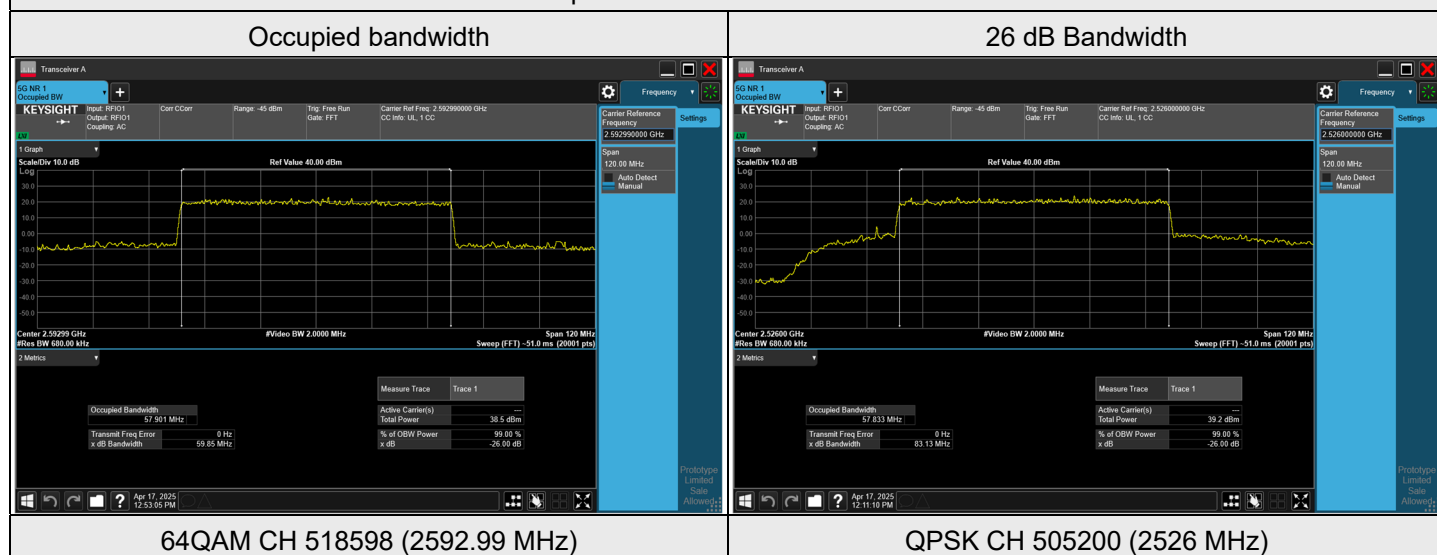
Spectrum Plot of Worst Value



NR n41 SCS 30 kHz, MIMO-Ant 1, Channel Bandwidth: 60 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	505200	2526	57.833	83.13
QPSK	518598	2592.99	57.843	67.28
QPSK	531996	2659.98	57.831	75.91
16QAM	505200	2526	57.745	73.47
16QAM	518598	2592.99	57.772	59.80
16QAM	531996	2659.98	57.698	64.25
64QAM	505200	2526	57.841	82.12
64QAM	518598	2592.99	57.901	59.85
64QAM	531996	2659.98	57.798	62.34
256QAM	505200	2526	57.434	59.65
256QAM	518598	2592.99	57.713	59.74
256QAM	531996	2659.98	57.614	59.80

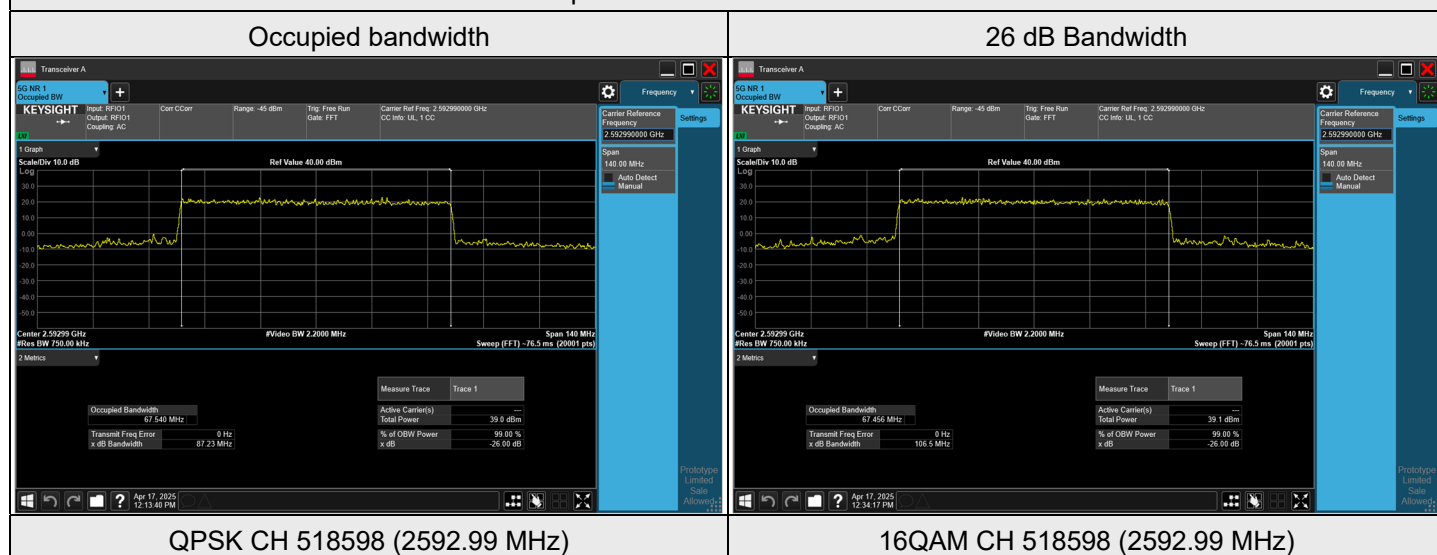
Spectrum Plot of Worst Value



NR n41 SCS 30 kHz, MIMO-Ant 1, Channel Bandwidth: 70 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	506202	2531.01	67.383	90.50
QPSK	518598	2592.99	67.540	87.23
QPSK	531000	2655	67.373	80.97
16QAM	506202	2531.01	67.287	103.9
16QAM	518598	2592.99	67.456	106.5
16QAM	531000	2655	67.313	84.29
64QAM	506202	2531.01	67.343	79.40
64QAM	518598	2592.99	67.510	69.62
64QAM	531000	2655	67.399	78.44
256QAM	506202	2531.01	67.107	69.52
256QAM	518598	2592.99	67.426	69.73
256QAM	531000	2655	67.201	69.66

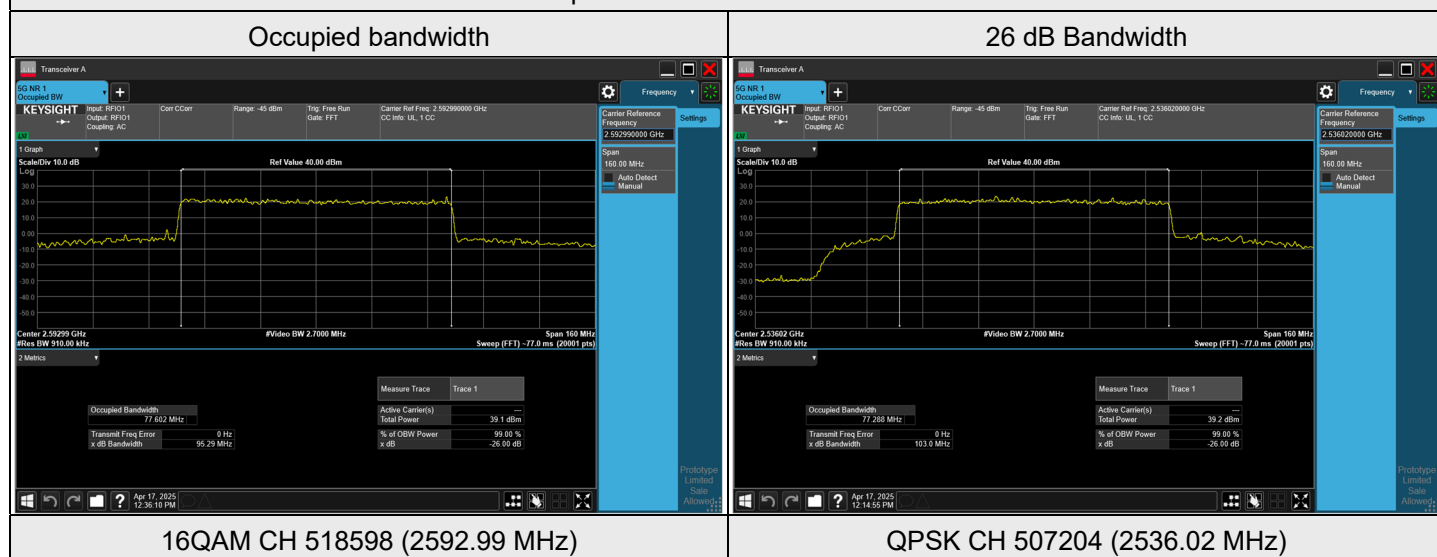
Spectrum Plot of Worst Value



NR n41 SCS 30 kHz, MIMO-Ant 1, Channel Bandwidth: 80 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	507204	2536.02	77.288	103.0
QPSK	518598	2592.99	77.588	94.75
QPSK	529998	2649.99	77.281	87.68
16QAM	507204	2536.02	77.187	102.0
16QAM	518598	2592.99	77.602	95.29
16QAM	529998	2649.99	77.201	81.42
64QAM	507204	2536.02	77.186	80.09
64QAM	518598	2592.99	77.521	86.49
64QAM	529998	2649.99	77.237	92.87
256QAM	507204	2536.02	76.788	79.92
256QAM	518598	2592.99	77.284	80.09
256QAM	529998	2649.99	77.057	79.92

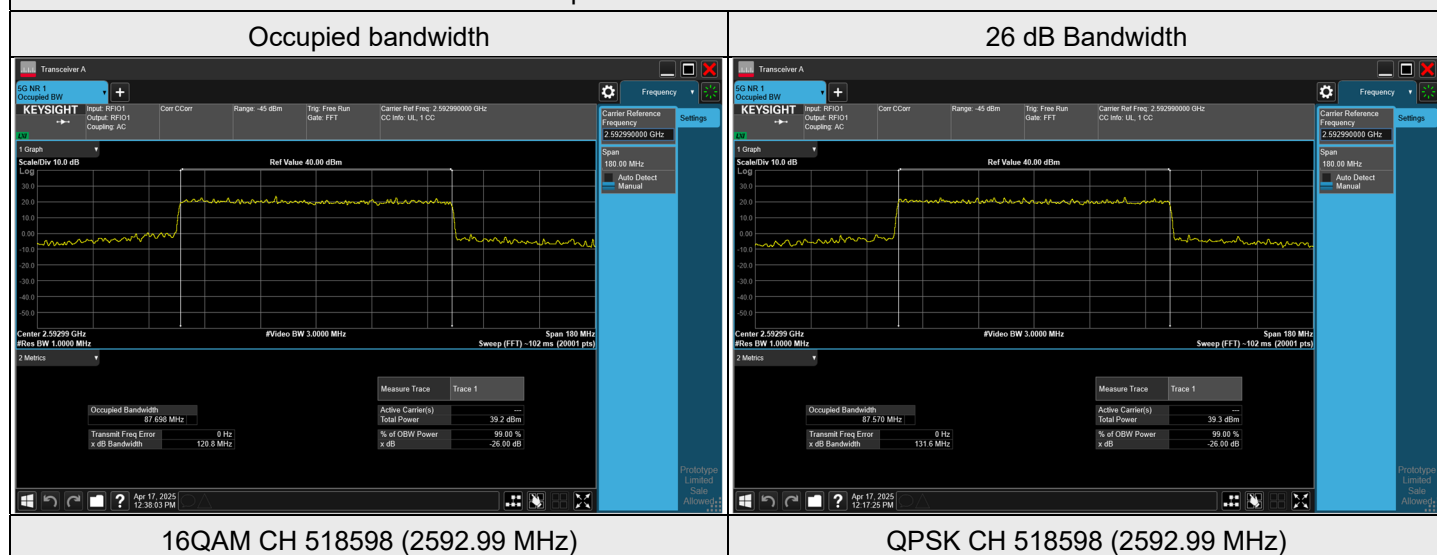
Spectrum Plot of Worst Value



NR n41 SCS 30 kHz, MIMO-Ant 1, Channel Bandwidth: 90 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	508200	2541	87.265	102.1
QPSK	518598	2592.99	87.570	131.6
QPSK	528996	2644.98	87.193	90.48
16QAM	508200	2541	87.144	118.1
16QAM	518598	2592.99	87.698	120.8
16QAM	528996	2644.98	87.235	101.2
64QAM	508200	2541	87.282	105.0
64QAM	518598	2592.99	87.669	130.5
64QAM	528996	2644.98	87.327	90.33
256QAM	508200	2541	86.922	90.13
256QAM	518598	2592.99	87.307	90.28
256QAM	528996	2644.98	87.068	90.07

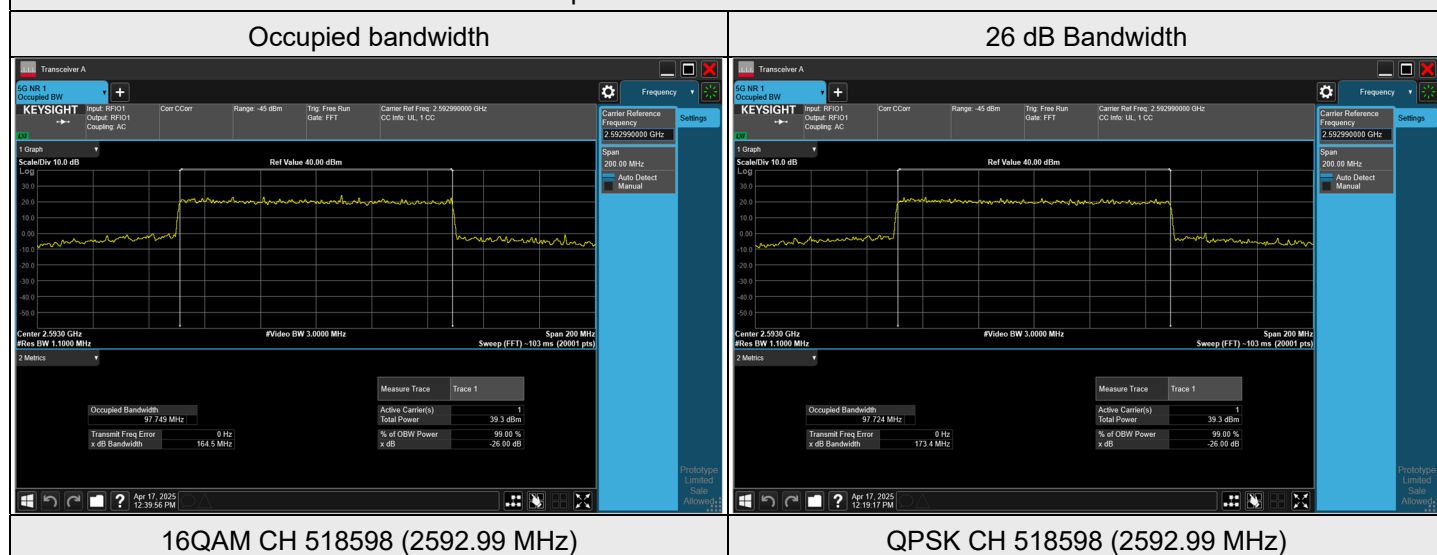
Spectrum Plot of Worst Value



NR n41 SCS 30 kHz, MIMO-Ant 1, Channel Bandwidth: 100 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	509202	2546.01	97.142	121.9
QPSK	518598	2592.99	97.724	173.4
QPSK	528000	2640	97.305	100.3
16QAM	509202	2546.01	97.147	122.3
16QAM	518598	2592.99	97.749	164.5
16QAM	528000	2640	97.404	107.7
64QAM	509202	2546.01	96.966	105.2
64QAM	518598	2592.99	97.505	147.2
64QAM	528000	2640	97.089	102.4
256QAM	509202	2546.01	96.724	100.4
256QAM	518598	2592.99	97.342	100.5
256QAM	528000	2640	97.084	100.5

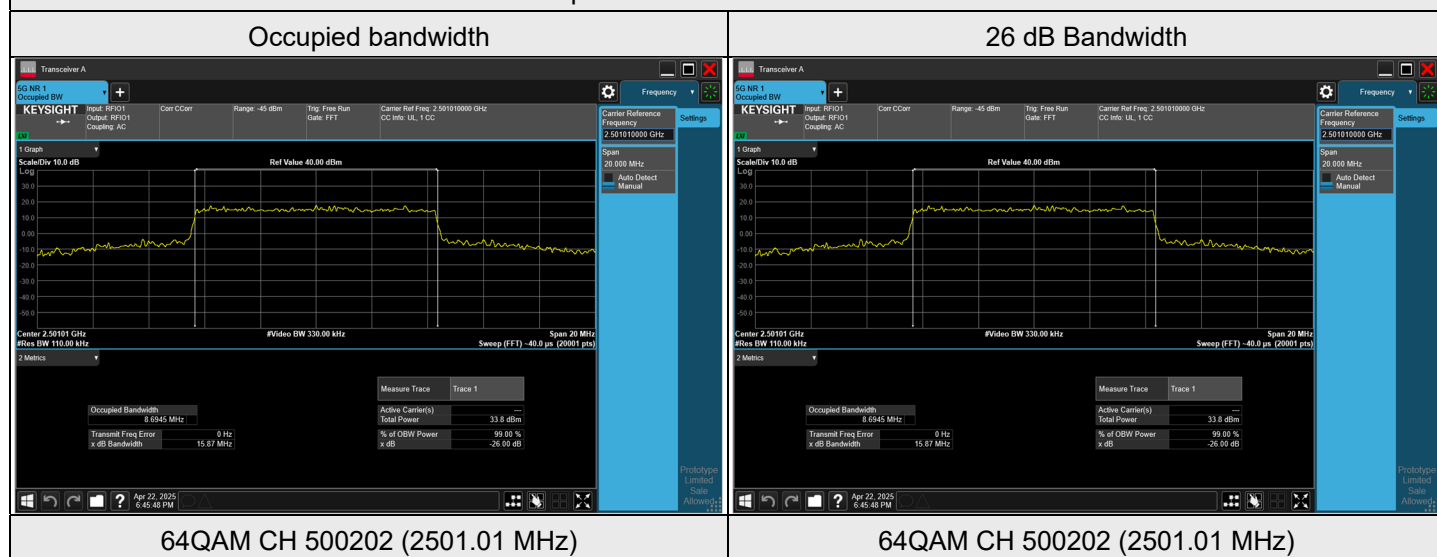
Spectrum Plot of Worst Value



NR n41 SCS 30 kHz, MIMO-Ant 2, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	500202	2501.01	8.5416	9.187
QPSK	518598	2592.99	8.5590	9.415
QPSK	537000	2685	8.5561	9.238
16QAM	500202	2501.01	8.5332	9.166
16QAM	518598	2592.99	8.6064	9.210
16QAM	537000	2685	8.5785	9.220
64QAM	500202	2501.01	8.6945	15.87
64QAM	518598	2592.99	8.5681	9.242
64QAM	537000	2685	8.5663	9.181
256QAM	500202	2501.01	8.5561	9.247
256QAM	518598	2592.99	8.5587	9.297
256QAM	537000	2685	8.5550	9.223

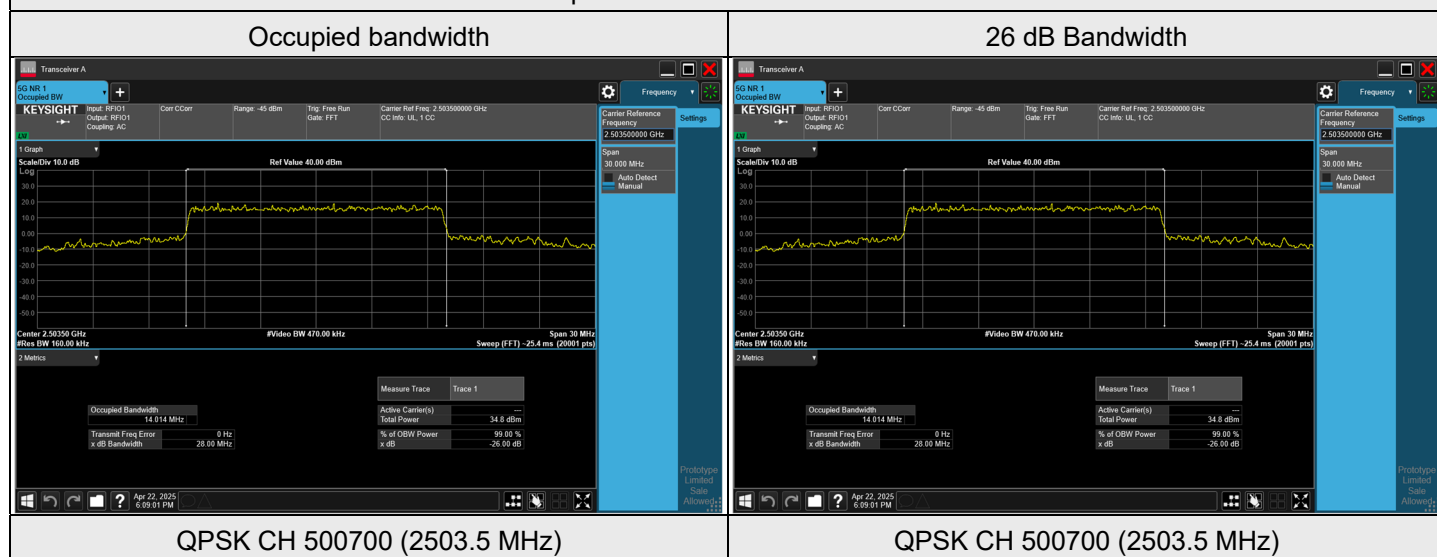
Spectrum Plot of Worst Value



NR n41 SCS 30 kHz, MIMO-Ant 2, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	500700	2503.5	14.014	28.00
QPSK	518598	2592.99	13.561	14.35
QPSK	536496	2682.48	13.552	14.42
16QAM	500700	2503.5	13.846	26.60
16QAM	518598	2592.99	13.527	14.37
16QAM	536496	2682.48	13.533	14.36
64QAM	500700	2503.5	13.786	24.16
64QAM	518598	2592.99	13.573	14.46
64QAM	536496	2682.48	13.564	14.39
256QAM	500700	2503.5	13.551	16.28
256QAM	518598	2592.99	13.546	14.37
256QAM	536496	2682.48	13.531	14.35

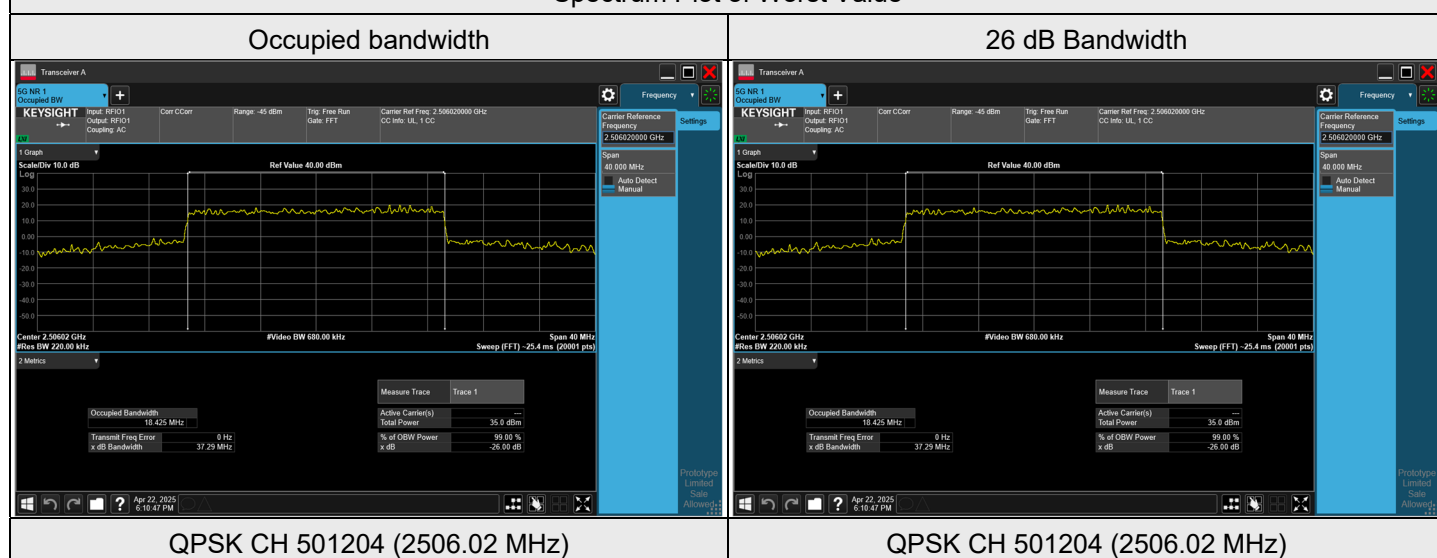
Spectrum Plot of Worst Value



NR n41 SCS 30 kHz, MIMO-Ant 2, Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	501204	2506.02	18.425	37.29
QPSK	518598	2592.99	18.209	19.06
QPSK	535998	2679.99	18.196	19.10
16QAM	501204	2506.02	18.393	30.33
16QAM	518598	2592.99	18.212	19.07
16QAM	535998	2679.99	18.202	19.20
64QAM	501204	2506.02	18.309	33.30
64QAM	518598	2592.99	18.169	19.12
64QAM	535998	2679.99	18.162	19.13
256QAM	501204	2506.02	18.156	19.17
256QAM	518598	2592.99	18.173	19.25
256QAM	535998	2679.99	18.136	19.11

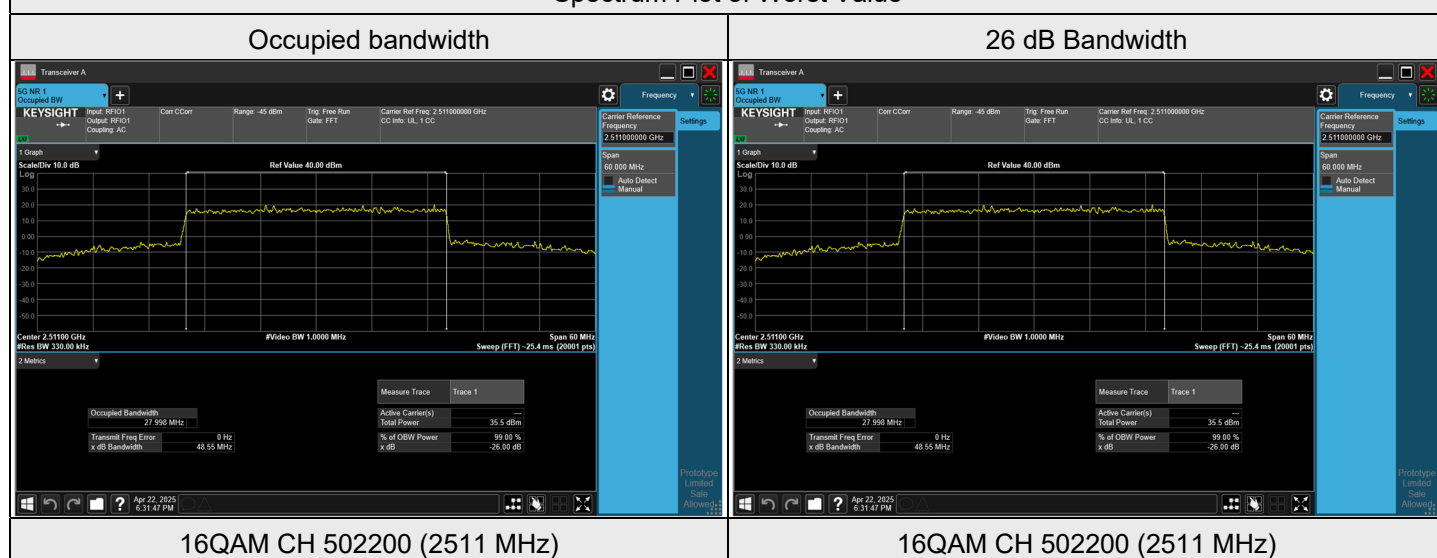
Spectrum Plot of Worst Value



NR n41 SCS 30 kHz, MIMO-Ant 2, Channel Bandwidth: 30 MHz

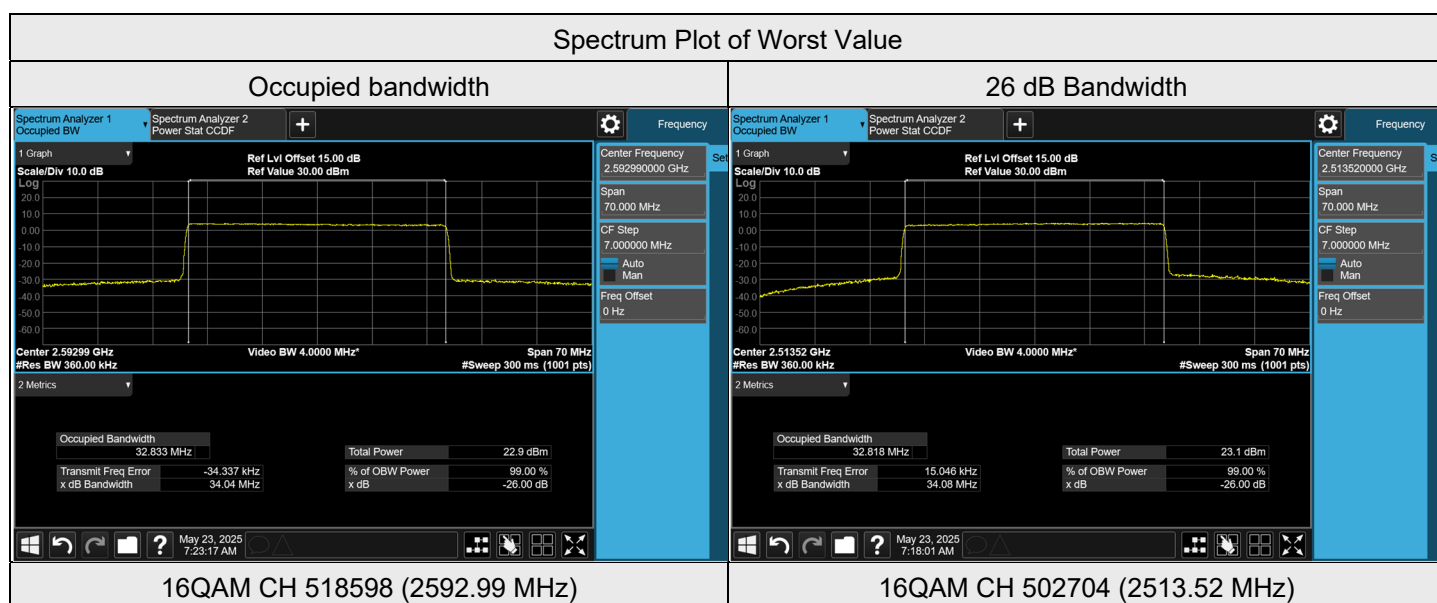
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	502200	2511	27.992	42.88
QPSK	518598	2592.99	27.817	29.12
QPSK	534996	2674.98	27.812	36.23
16QAM	502200	2511	27.998	48.55
16QAM	518598	2592.99	27.853	29.26
16QAM	534996	2674.98	27.865	29.25
64QAM	502200	2511	27.854	42.95
64QAM	518598	2592.99	27.786	29.20
64QAM	534996	2674.98	27.793	29.18
256QAM	502200	2511	27.783	29.10
256QAM	518598	2592.99	27.715	29.04
256QAM	534996	2674.98	27.750	29.14

Spectrum Plot of Worst Value



NR n41 SCS 30 kHz, MIMO-Ant 2, Channel Bandwidth: 35 MHz

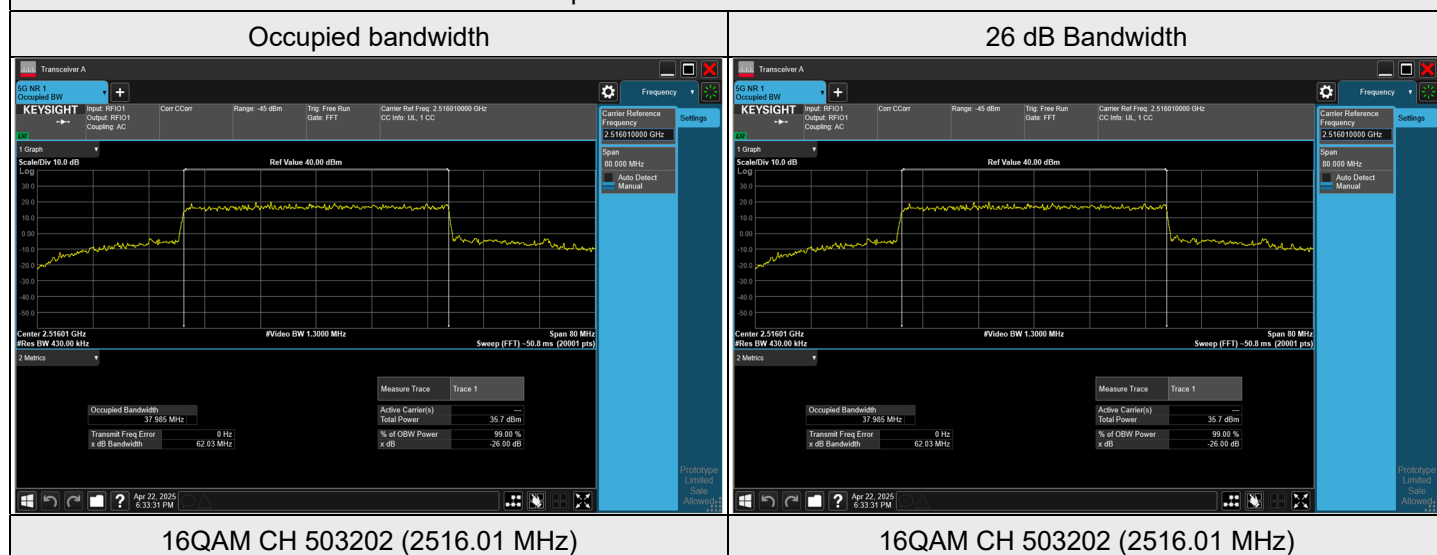
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	502704	2513.52	32.800	34.01
QPSK	518598	2592.99	32.829	34.07
QPSK	534498	2672.49	32.822	34.03
16QAM	502704	2513.52	32.818	34.08
16QAM	518598	2592.99	32.833	34.04
16QAM	534498	2672.49	32.832	34.04
64QAM	502704	2513.52	32.820	34.05
64QAM	518598	2592.99	32.833	34.02
64QAM	534498	2672.49	32.830	34.05
256QAM	502704	2513.52	32.770	34.02
256QAM	518598	2592.99	32.817	34.01
256QAM	534498	2672.49	32.816	34.01



NR n41 SCS 30 kHz, MIMO-Ant 2, Channel Bandwidth: 40 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	503202	2516.01	37.937	61.54
QPSK	518598	2592.99	37.810	49.64
QPSK	534000	2670	37.857	51.25
16QAM	503202	2516.01	37.985	62.03
16QAM	518598	2592.99	37.755	39.37
16QAM	534000	2670	37.872	43.96
64QAM	503202	2516.01	37.816	44.87
64QAM	518598	2592.99	37.772	39.44
64QAM	534000	2670	37.763	39.39
256QAM	503202	2516.01	37.680	39.52
256QAM	518598	2592.99	37.732	39.44
256QAM	534000	2670	37.713	39.54

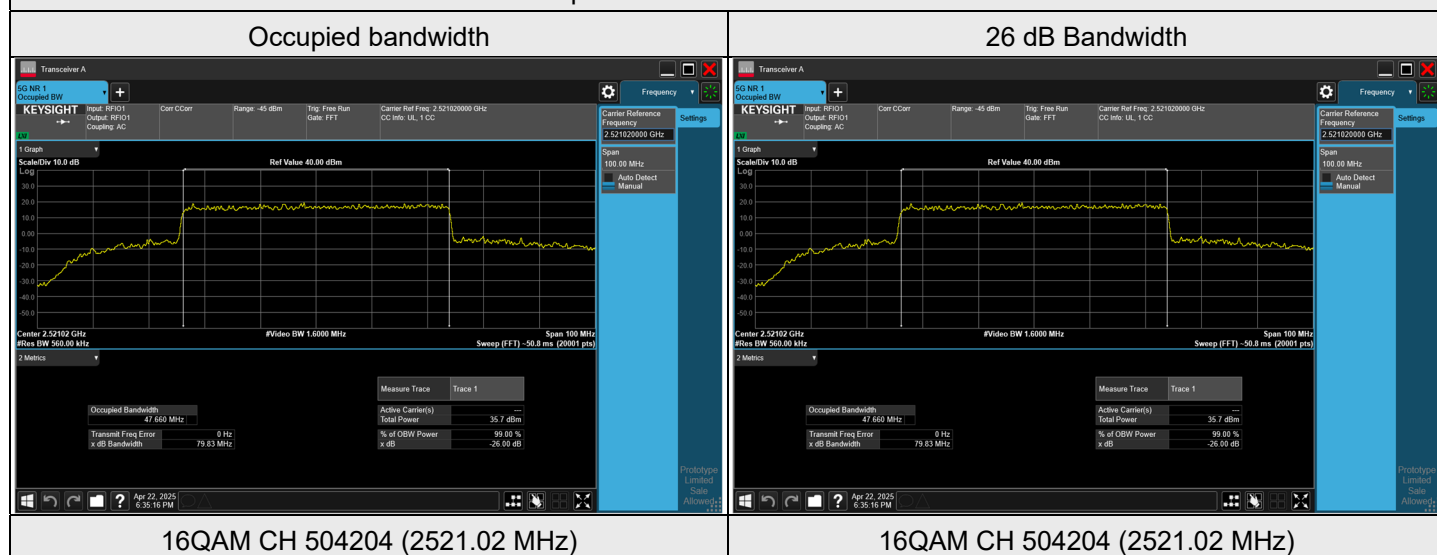
Spectrum Plot of Worst Value



NR n41 SCS 30 kHz, MIMO-Ant 2, Channel Bandwidth: 50 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	504204	2521.02	47.561	70.79
QPSK	518598	2592.99	47.470	49.55
QPSK	532998	2664.99	47.433	58.43
16QAM	504204	2521.02	47.660	79.83
16QAM	518598	2592.99	47.473	49.38
16QAM	532998	2664.99	47.543	60.70
64QAM	504204	2521.02	47.514	76.12
64QAM	518598	2592.99	47.444	49.47
64QAM	532998	2664.99	47.464	51.63
256QAM	504204	2521.02	47.341	49.23
256QAM	518598	2592.99	47.432	49.22
256QAM	532998	2664.99	47.400	49.32

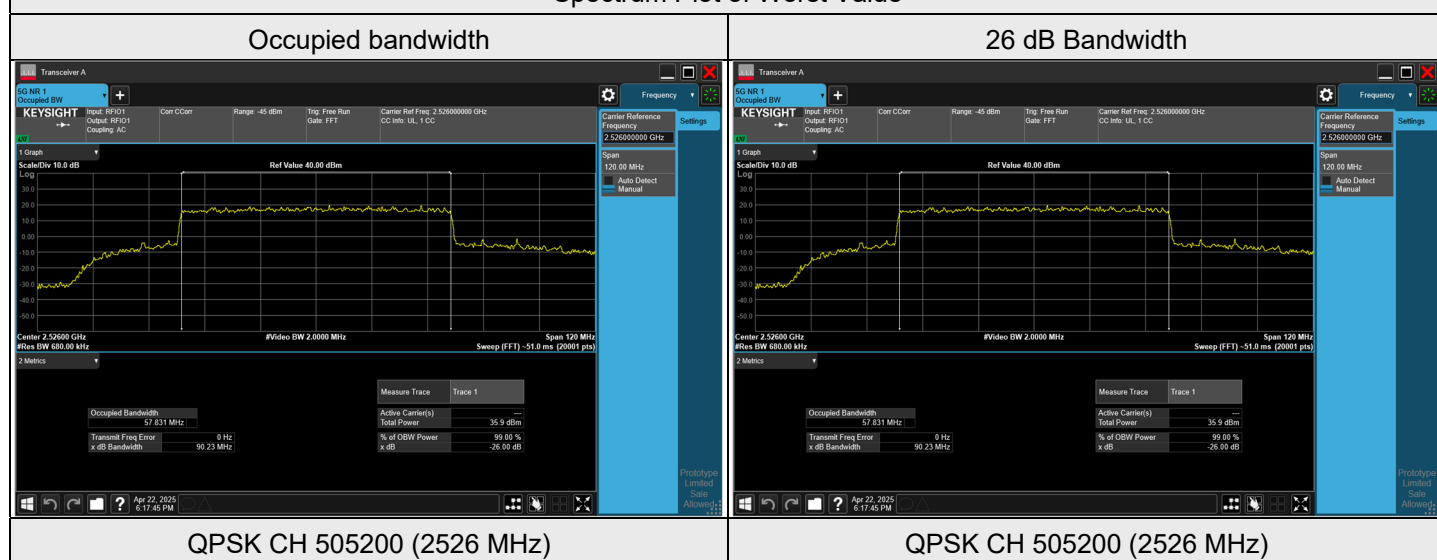
Spectrum Plot of Worst Value



NR n41 SCS 30 kHz, MIMO-Ant 2, Channel Bandwidth: 60 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	505200	2526	57.831	90.23
QPSK	518598	2592.99	57.805	67.24
QPSK	531996	2659.98	57.781	62.07
16QAM	505200	2526	57.677	86.09
16QAM	518598	2592.99	57.675	60.50
16QAM	531996	2659.98	57.708	74.94
64QAM	505200	2526	57.666	80.80
64QAM	518598	2592.99	57.738	59.85
64QAM	531996	2659.98	57.678	60.02
256QAM	505200	2526	57.498	59.61
256QAM	518598	2592.99	57.613	59.71
256QAM	531996	2659.98	57.589	59.77

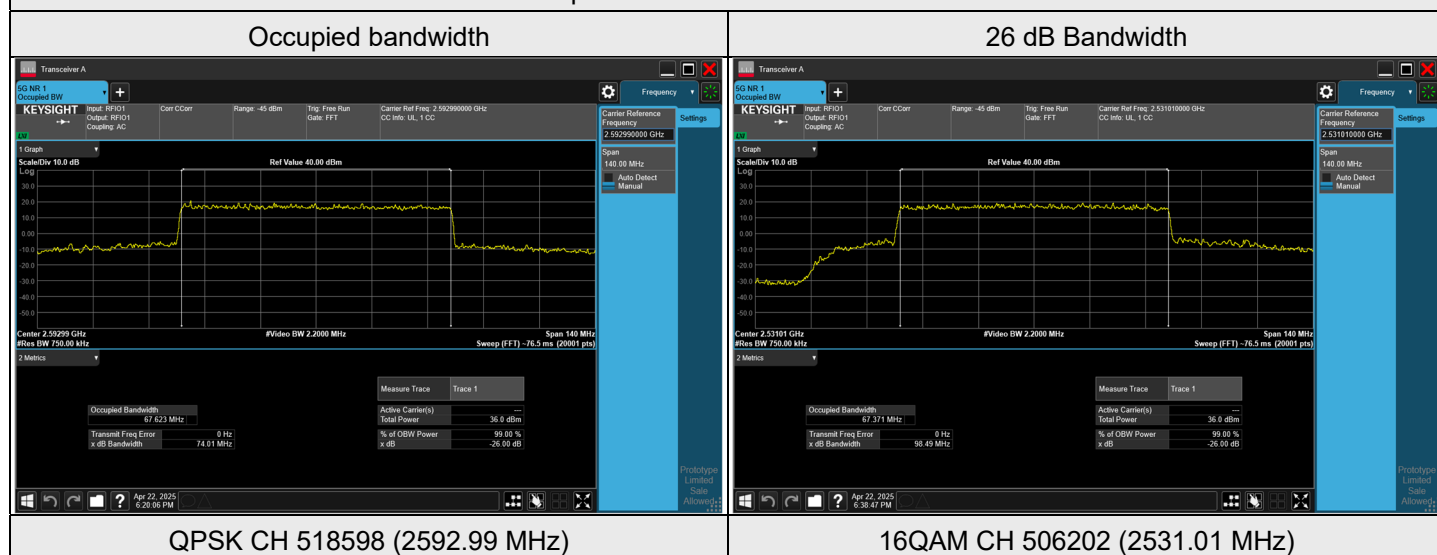
Spectrum Plot of Worst Value



NR n41 SCS 30 kHz, MIMO-Ant 2, Channel Bandwidth: 70 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	506202	2531.01	67.357	93.20
QPSK	518598	2592.99	67.623	74.01
QPSK	531000	2655	67.384	83.82
16QAM	506202	2531.01	67.371	98.49
16QAM	518598	2592.99	67.345	84.17
16QAM	531000	2655	67.215	84.31
64QAM	506202	2531.01	67.369	85.94
64QAM	518598	2592.99	67.470	69.84
64QAM	531000	2655	67.317	69.67
256QAM	506202	2531.01	67.076	69.53
256QAM	518598	2592.99	67.452	69.74
256QAM	531000	2655	67.162	69.56

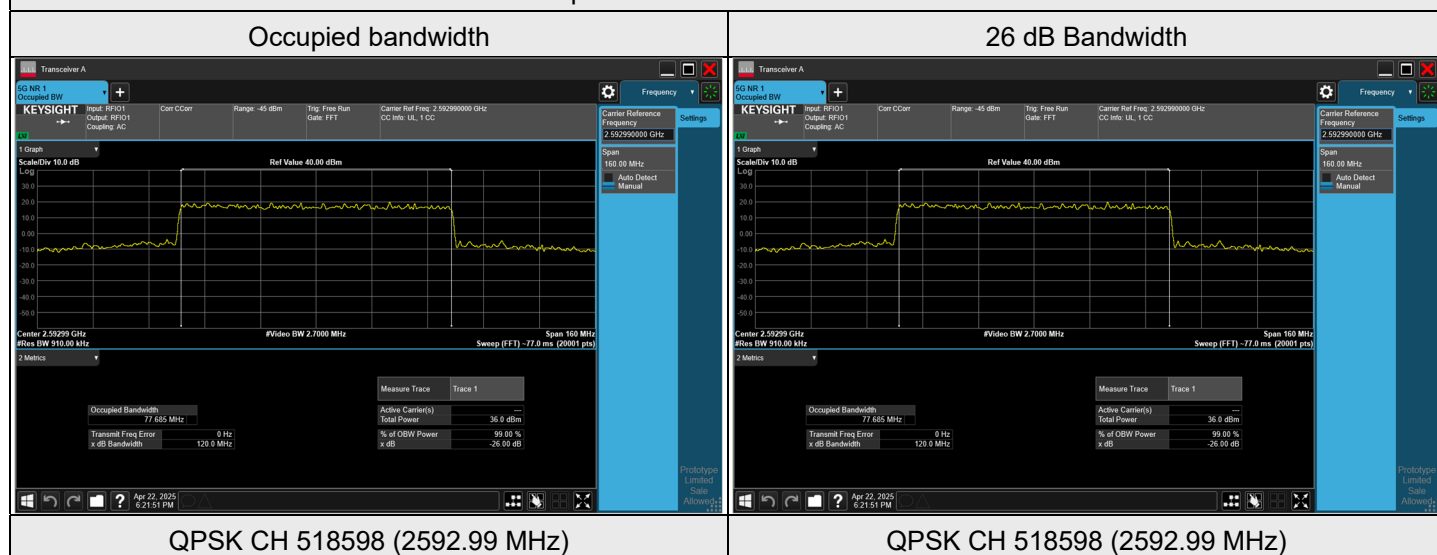
Spectrum Plot of Worst Value



NR n41 SCS 30 kHz, MIMO-Ant 2, Channel Bandwidth: 80 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	507204	2536.02	77.414	103.1
QPSK	518598	2592.99	77.685	120.0
QPSK	529998	2649.99	77.360	87.78
16QAM	507204	2536.02	77.494	110.7
16QAM	518598	2592.99	77.556	103.2
16QAM	529998	2649.99	77.557	101.5
64QAM	507204	2536.02	77.442	100.3
64QAM	518598	2592.99	77.410	87.48
64QAM	529998	2649.99	77.126	80.06
256QAM	507204	2536.02	76.884	79.95
256QAM	518598	2592.99	77.376	79.92
256QAM	529998	2649.99	77.152	80.09

Spectrum Plot of Worst Value



NR n41 SCS 30 kHz, MIMO-Ant 2, Channel Bandwidth: 90 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	508200	2541	87.217	90.17
QPSK	518598	2592.99	87.650	133.3
QPSK	528996	2644.98	87.193	90.05
16QAM	508200	2541	87.054	118.3
16QAM	518598	2592.99	87.668	143.7
16QAM	528996	2644.98	87.354	90.22
64QAM	508200	2541	87.162	113.5
64QAM	518598	2592.99	87.575	103.0
64QAM	528996	2644.98	87.143	91.56
256QAM	508200	2541	87.017	89.97
256QAM	518598	2592.99	87.451	90.31
256QAM	528996	2644.98	87.089	90.15

Spectrum Plot of Worst Value

