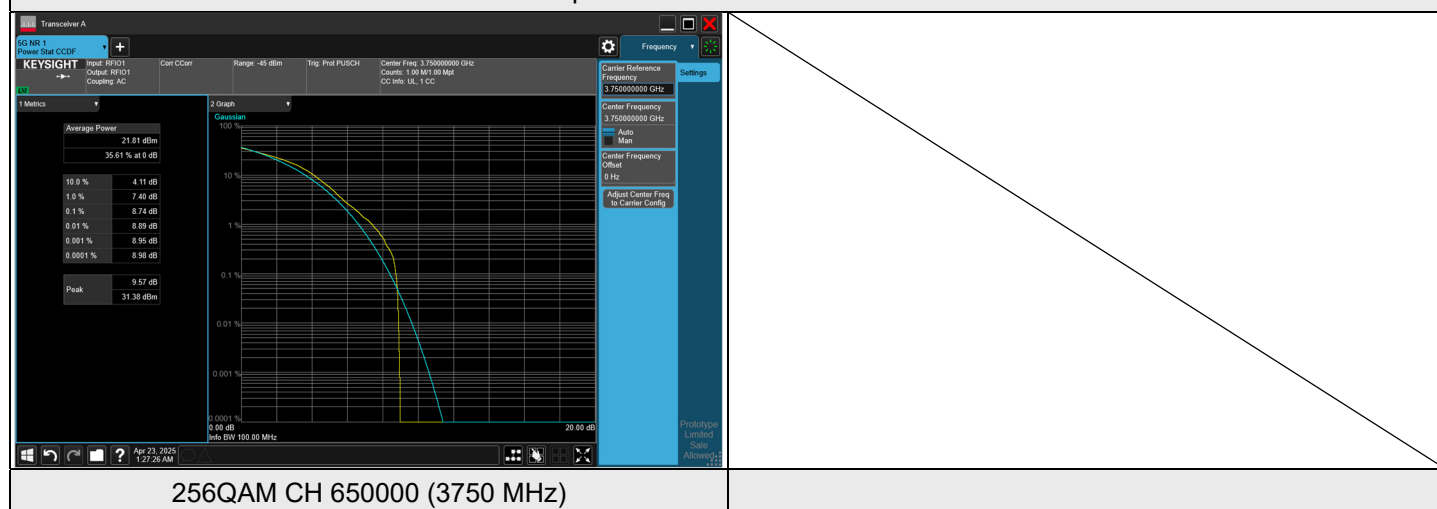


NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), MIMO-Ant 2, Channel Bandwidth: 100 MHz

Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 650000	CH 656000	CH 662000
			3750 MHz	3840 MHz	3930 MHz
QPSK	1	272	6.72	7.30	6.93
	1	0	7.10	7.10	7.00
	273	0	7.69	7.68	7.55
16QAM	1	272	6.89	6.60	7.34
	1	0	7.44	6.87	6.67
	273	0	8.22	7.72	7.82
64QAM	1	272	7.55	7.78	7.55
	1	0	7.49	7.45	7.74
	273	0	7.86	7.89	8.11
256QAM	1	272	7.58	7.78	8.24
	1	0	8.74	8.04	7.78
	273	0	8.65	8.00	8.40

Spectrum Plot of Worst Value



7.4 Bandwidth

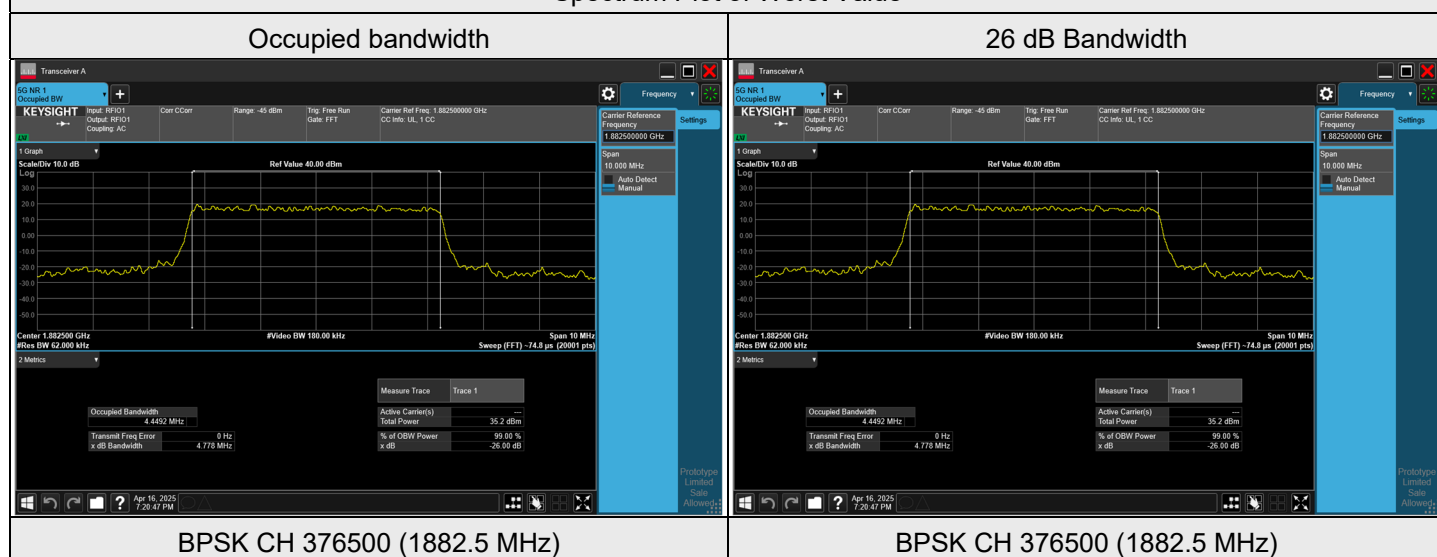
Input Power:	120 Vac, 60 Hz	Environmental Conditions:	21°C, 70% RH	Tested By:	Willy Cheng
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7.4.1 NR n25 SCS 15 kHz

NR n25 SCS 15 kHz, Ant 0, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	370500	1852.5	4.4488	4.742
BPSK	376500	1882.5	4.4492	4.778
BPSK	382480	1912.4	4.4321	4.771

Spectrum Plot of Worst Value

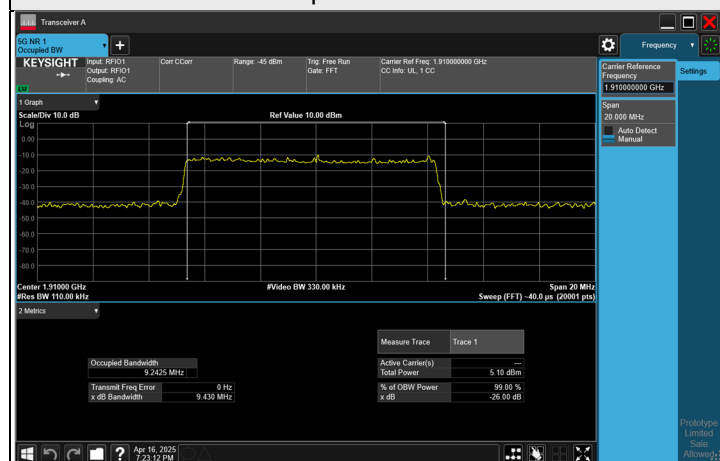


NR n25 SCS 15 kHz, Ant 0, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	371000	1855	9.2066	9.358
BPSK	376500	1882.5	9.2111	9.406
BPSK	382000	1910	9.2425	9.430

Spectrum Plot of Worst Value

Occupied bandwidth



BPSK CH 382000 (1910 MHz)

26 dB Bandwidth



BPSK CH 382000 (1910 MHz)

NR n25 SCS 15 kHz, Ant 0, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	371500	1857.5	13.971	13.99
BPSK	376500	1882.5	14.059	14.01
BPSK	381500	1907.5	14.041	14.00

Spectrum Plot of Worst Value

Occupied bandwidth



BPSK CH 376500 (1882.5 MHz)

26 dB Bandwidth

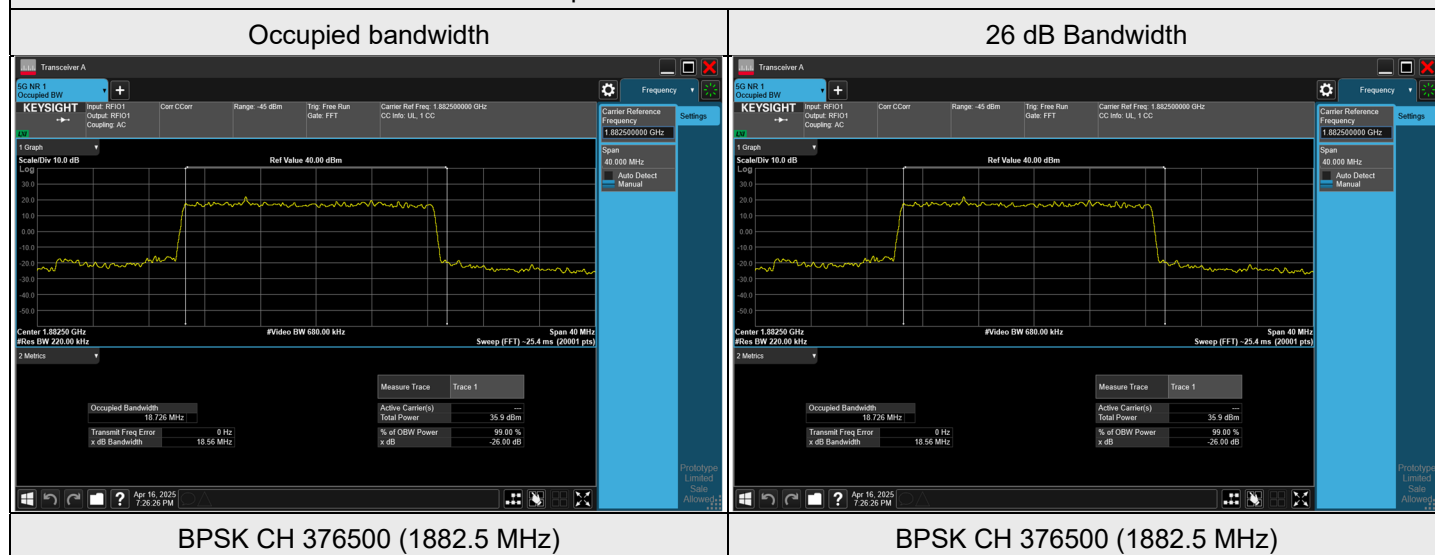


BPSK CH 376500 (1882.5 MHz)

NR n25 SCS 15 kHz, Ant 0, Channel Bandwidth: 20 MHz

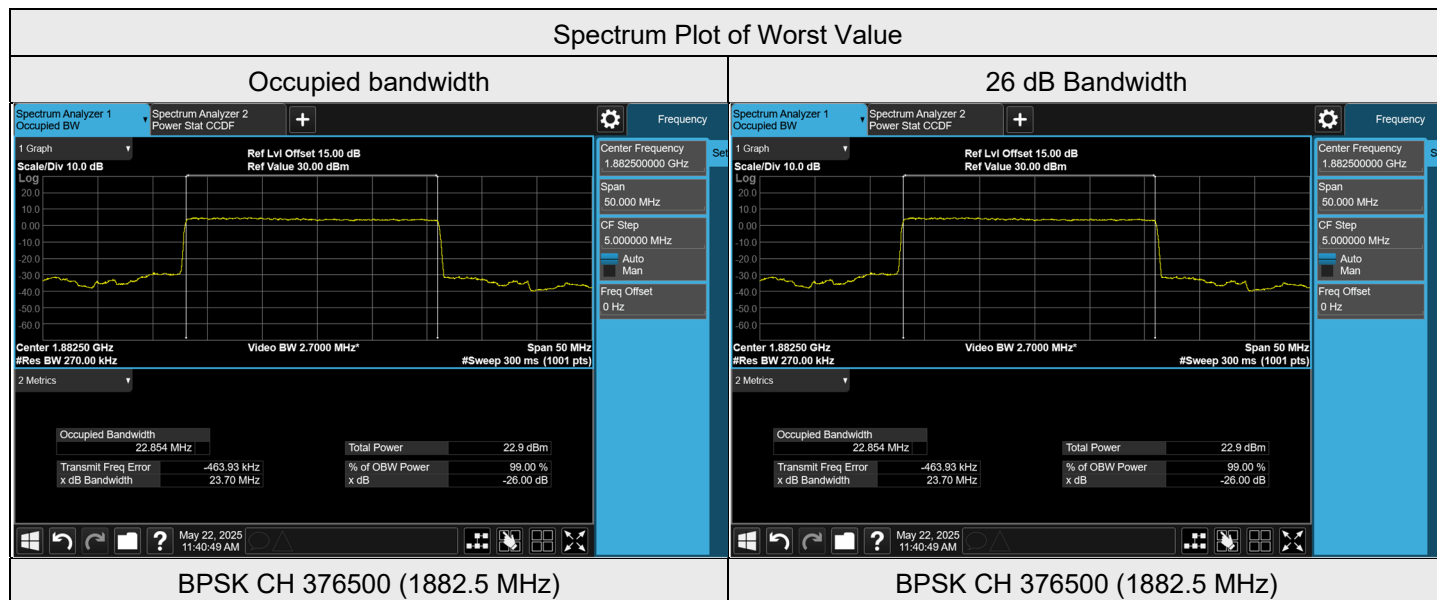
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	372000	1860	18.707	18.54
BPSK	376500	1882.5	18.726	18.56
BPSK	381000	1905	18.693	18.55

Spectrum Plot of Worst Value



NR n25 SCS 15 kHz, Ant 0, Channel Bandwidth: 25 MHz

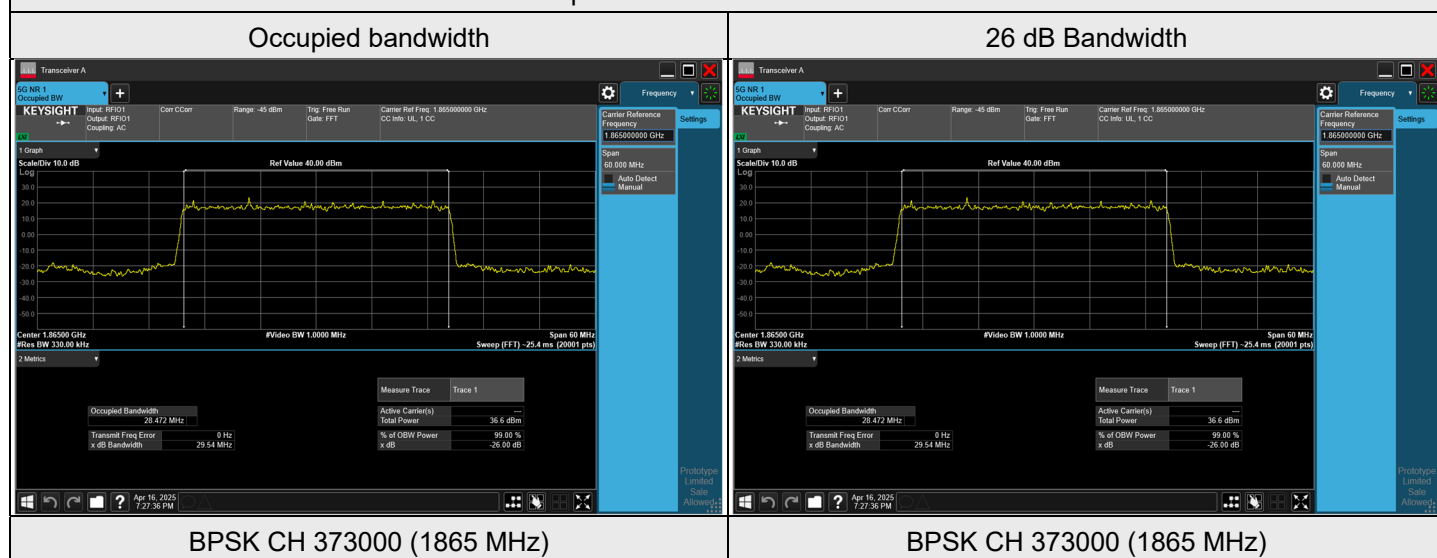
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	372500	1862.5	22.849	23.70
BPSK	376500	1882.5	22.854	23.70
BPSK	380500	1902.5	22.825	23.67



NR n25 SCS 15 kHz, Ant 0, Channel Bandwidth: 30 MHz

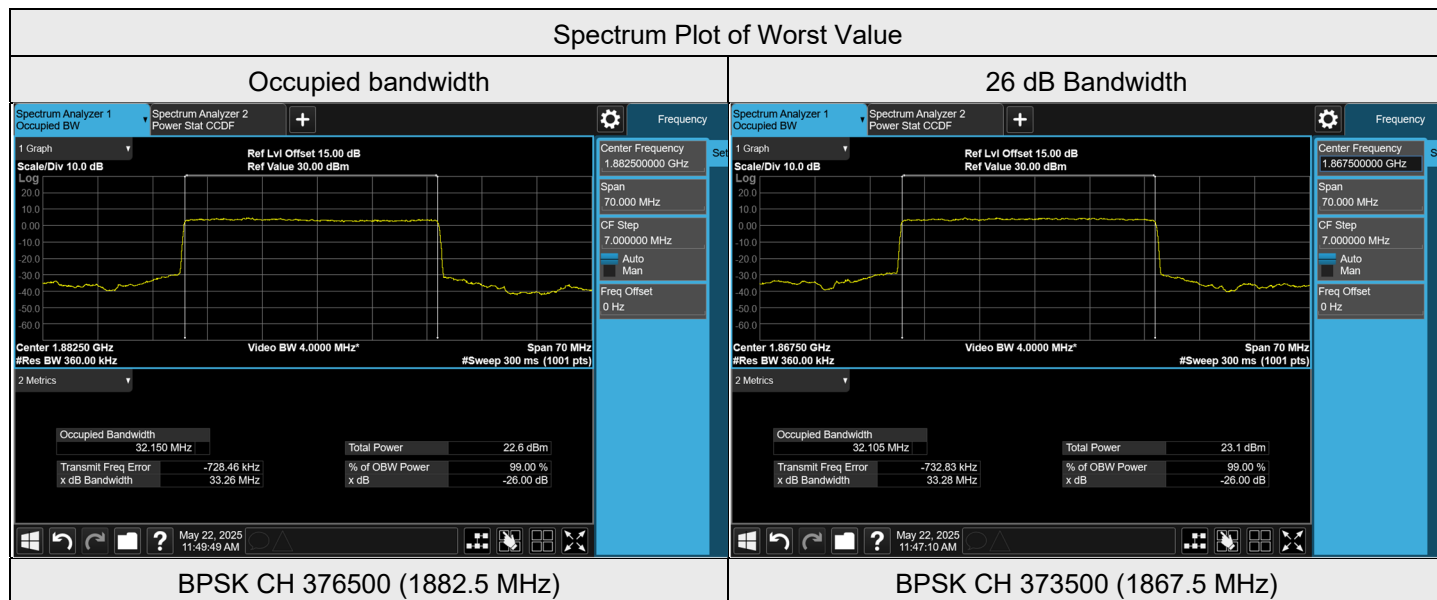
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	373000	1865	28.472	29.54
BPSK	376500	1882.5	28.467	29.47
BPSK	380000	1900	28.457	29.42

Spectrum Plot of Worst Value



NR n25 SCS 15 kHz, Ant 0, Channel Bandwidth: 35 MHz

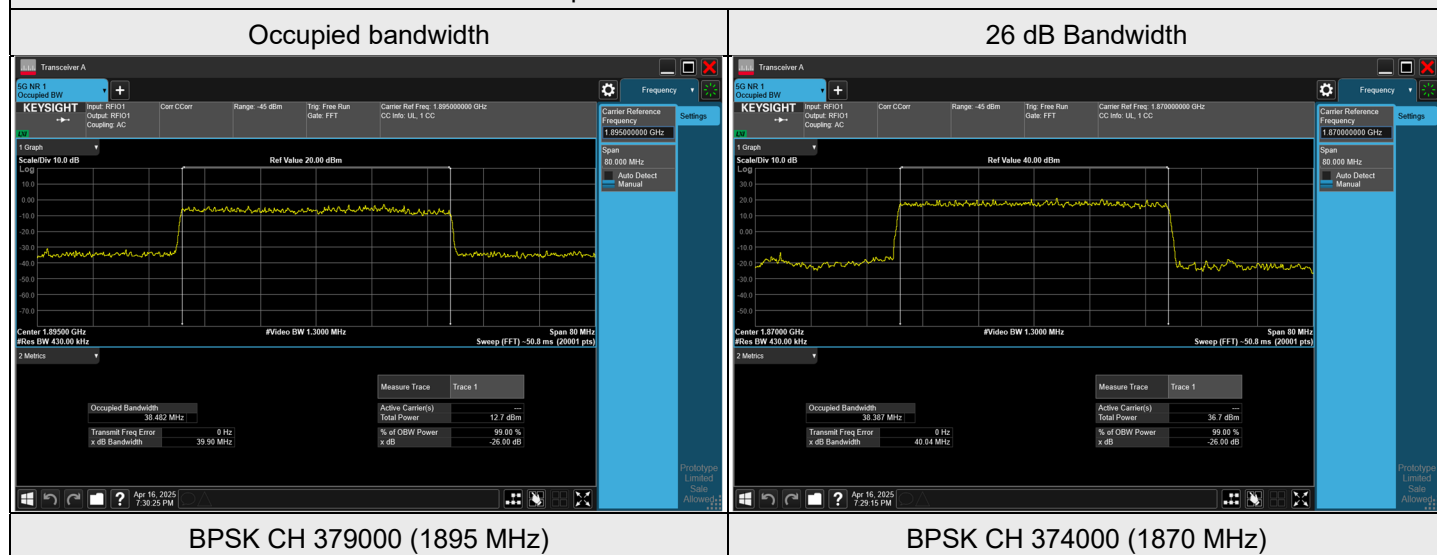
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	373500	1867.5	32.105	33.28
BPSK	376500	1882.5	32.150	33.26
BPSK	379500	1897.5	32.116	33.27



NR n25 SCS 15 kHz, Ant 0, Channel Bandwidth: 40 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	374000	1870	38.387	40.04
BPSK	376500	1882.5	38.442	39.71
BPSK	379000	1895	38.482	39.90

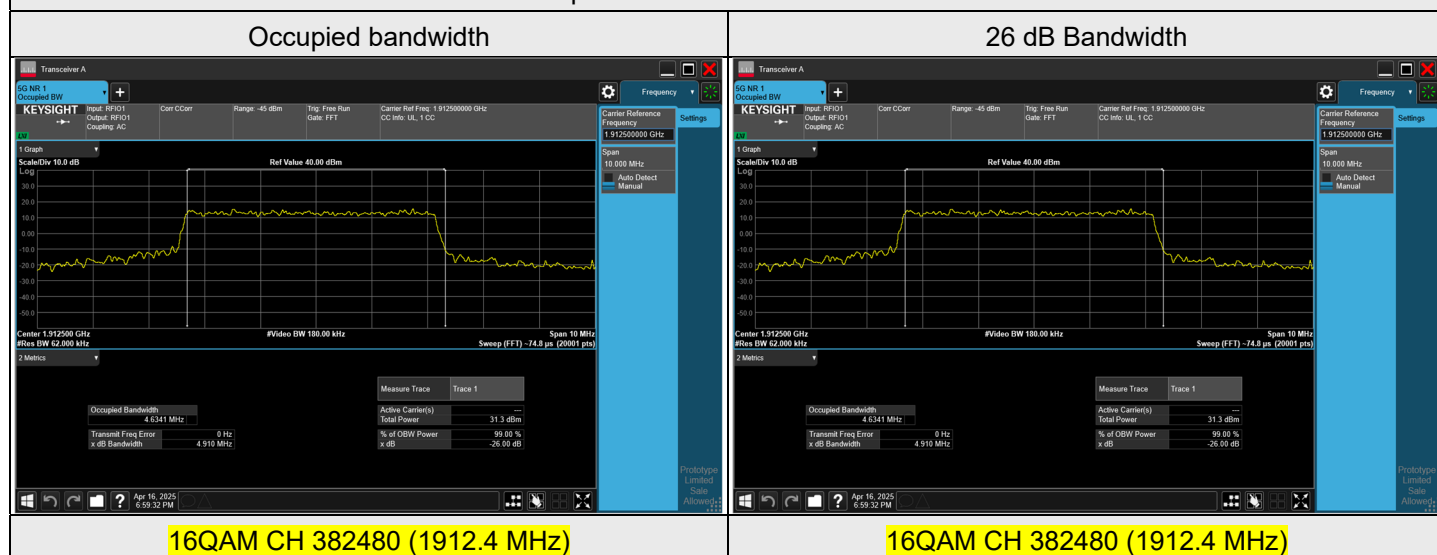
Spectrum Plot of Worst Value



NR n25 SCS 15 kHz, MIMO-Ant 0, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	370500	1852.5	4.4780	4.876
QPSK	376500	1882.5	4.4774	4.871
QPSK	382480	1912.4	4.4751	4.699
16QAM	370500	1852.5	4.4671	4.885
16QAM	376500	1882.5	4.4521	4.788
16QAM	382480	1912.4	4.6341	4.910
64QAM	370500	1852.5	4.4511	4.733
64QAM	376500	1882.5	4.4415	4.708
64QAM	382480	1912.4	4.4429	4.703
256QAM	370500	1852.5	4.4590	4.742
256QAM	376500	1882.5	4.4711	4.792
256QAM	382480	1912.4	4.6311	4.775

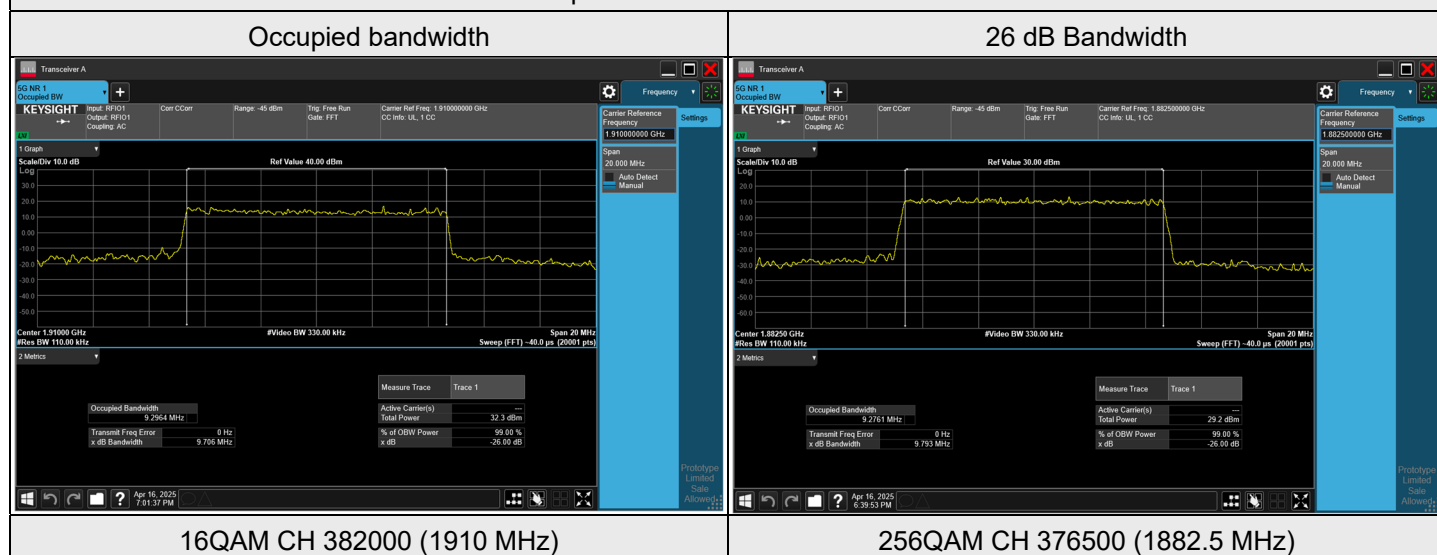
Spectrum Plot of Worst Value



NR n25 SCS 15 kHz, MIMO-Ant 0, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	371000	1855	9.2781	9.755
QPSK	376500	1882.5	9.2241	9.715
QPSK	382000	1910	9.2355	9.707
16QAM	371000	1855	9.2828	9.703
16QAM	376500	1882.5	9.2144	9.711
16QAM	382000	1910	9.2964	9.706
64QAM	371000	1855	9.2568	9.712
64QAM	376500	1882.5	9.2661	9.705
64QAM	382000	1910	9.2415	9.703
256QAM	371000	1855	9.2665	9.788
256QAM	376500	1882.5	9.2761	9.793
256QAM	382000	1910	9.2143	9.760

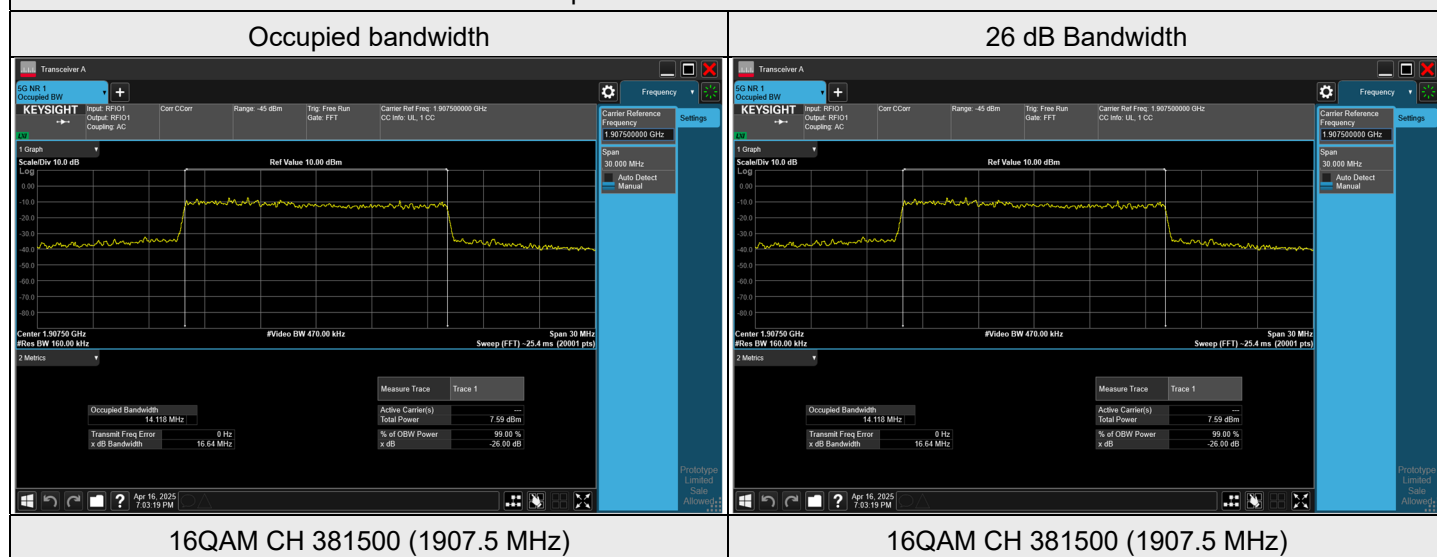
Spectrum Plot of Worst Value



NR n25 SCS 15 kHz, MIMO-Ant 0, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	371500	1857.5	14.068	14.74
QPSK	376500	1882.5	14.044	14.02
QPSK	381500	1907.5	14.065	14.73
16QAM	371500	1857.5	14.048	14.69
16QAM	376500	1882.5	14.041	14.68
16QAM	381500	1907.5	14.118	16.64
64QAM	371500	1857.5	14.106	14.67
64QAM	376500	1882.5	14.087	14.41
64QAM	381500	1907.5	14.049	14.55
256QAM	371500	1857.5	14.077	14.70
256QAM	376500	1882.5	14.071	14.64
256QAM	381500	1907.5	14.083	14.69

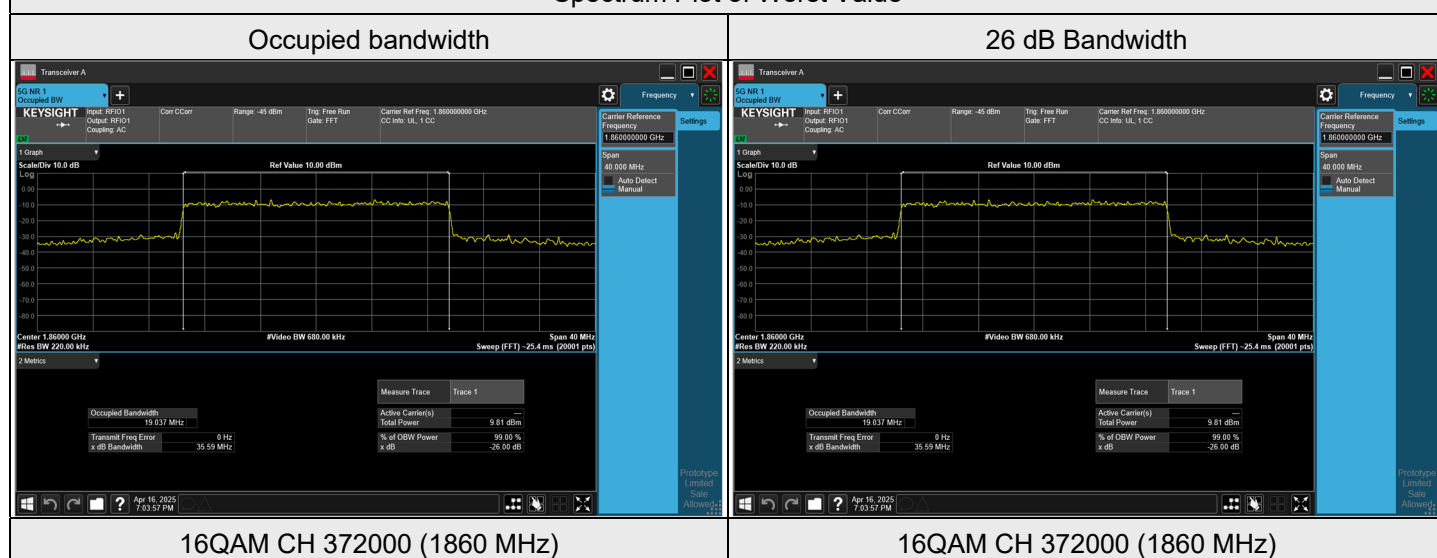
Spectrum Plot of Worst Value



NR n25 SCS 15 kHz, MIMO-Ant 0, Channel Bandwidth: 20 MHz

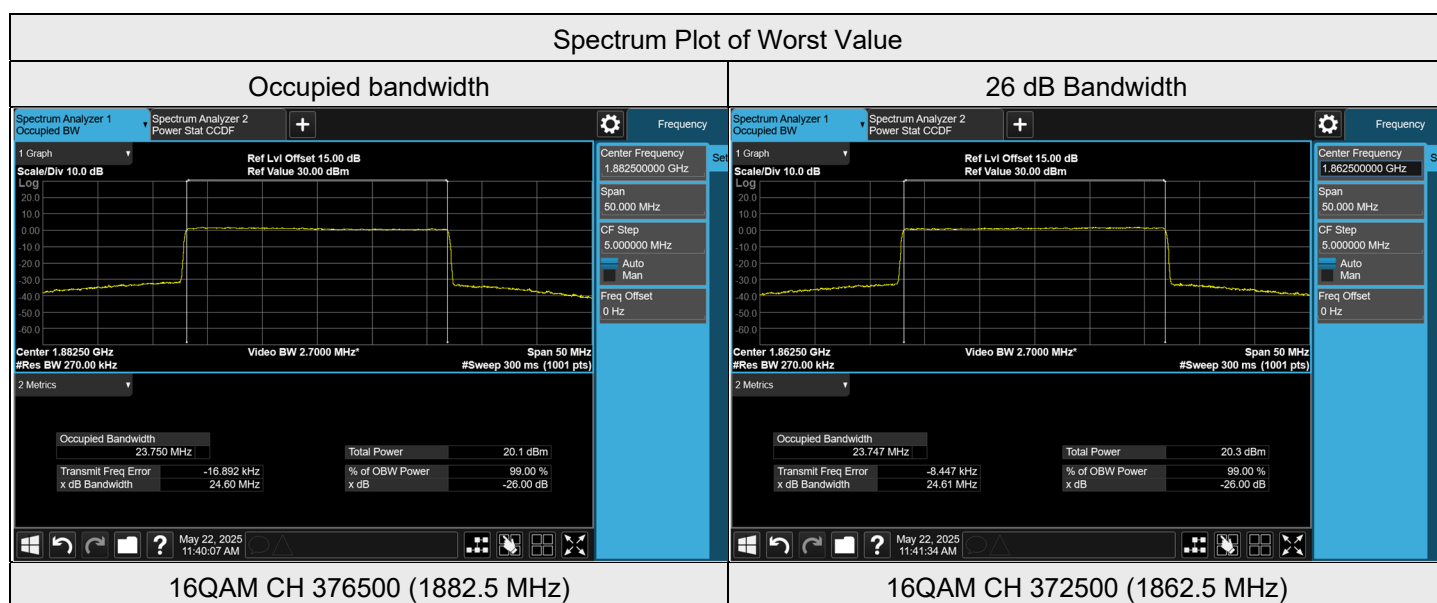
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	372000	1860	18.853	19.74
QPSK	376500	1882.5	18.811	19.69
QPSK	381000	1905	18.833	19.77
16QAM	372000	1860	19.037	35.59
16QAM	376500	1882.5	18.799	19.68
16QAM	381000	1905	18.885	19.71
64QAM	372000	1860	18.872	19.68
64QAM	376500	1882.5	18.872	19.68
64QAM	381000	1905	18.748	19.64
256QAM	372000	1860	18.905	19.66
256QAM	376500	1882.5	18.933	19.67
256QAM	381000	1905	18.896	19.73

Spectrum Plot of Worst Value



NR n25 SCS 15 kHz, MIMO-Ant 0, Channel Bandwidth: 25 MHz

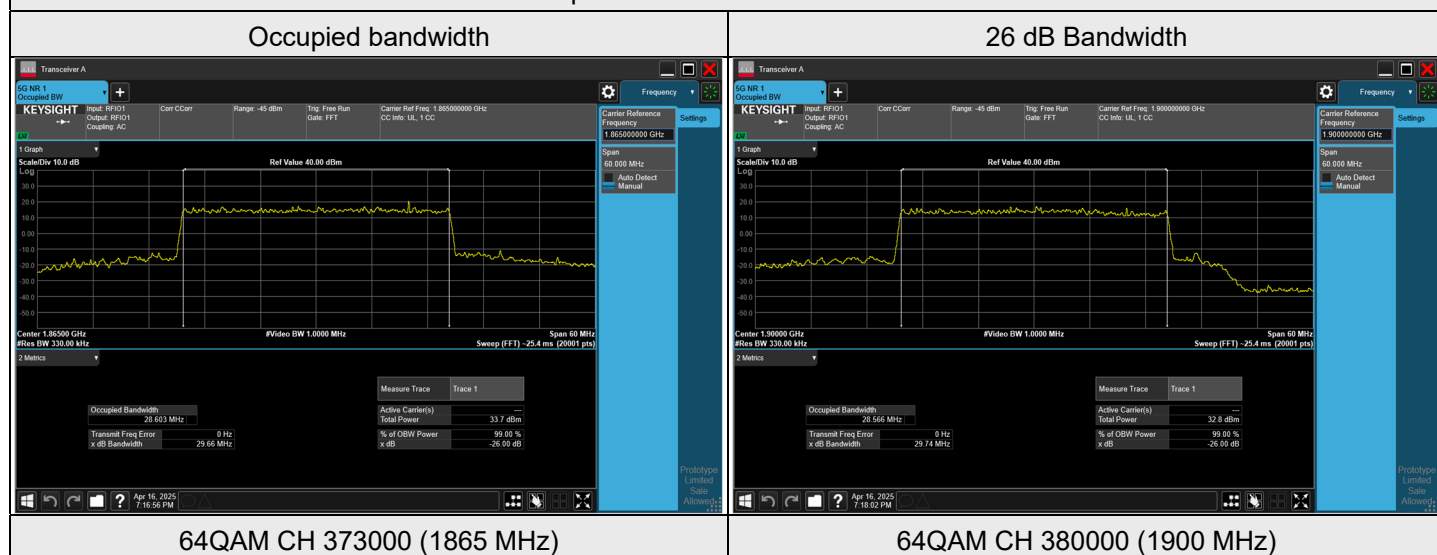
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	372500	1862.5	23.725	24.59
QPSK	376500	1882.5	23.740	24.61
QPSK	380500	1902.5	23.705	24.58
16QAM	372500	1862.5	23.747	24.61
16QAM	376500	1882.5	23.750	24.60
16QAM	380500	1902.5	23.728	24.59
64QAM	372500	1862.5	23.736	24.59
64QAM	376500	1882.5	23.738	24.59
64QAM	380500	1902.5	23.721	24.59
256QAM	372500	1862.5	23.728	24.60
256QAM	376500	1882.5	23.736	24.59
256QAM	380500	1902.5	23.703	24.58



NR n25 SCS 15 kHz, MIMO-Ant 0, Channel Bandwidth: 30 MHz

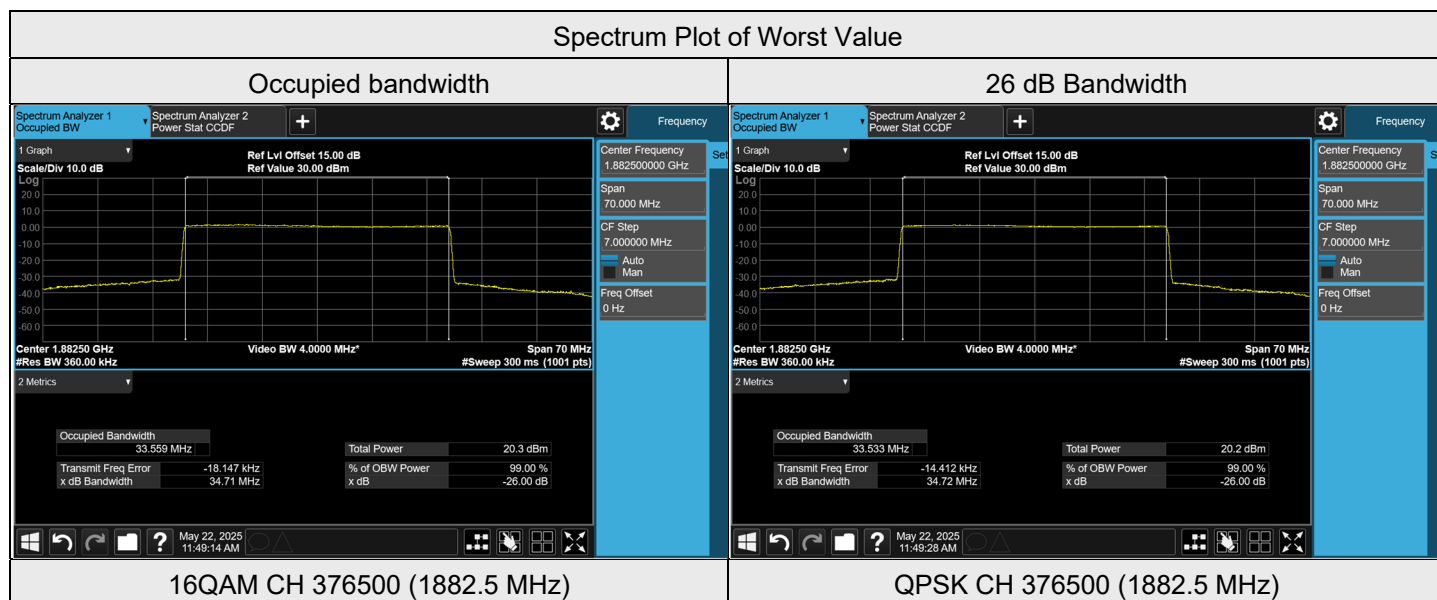
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	373000	1865	28.513	29.67
QPSK	376500	1882.5	28.408	29.61
QPSK	380000	1900	28.411	29.60
16QAM	373000	1865	28.409	29.63
16QAM	376500	1882.5	28.484	29.67
16QAM	380000	1900	28.395	29.71
64QAM	373000	1865	28.603	29.66
64QAM	376500	1882.5	28.419	29.62
64QAM	380000	1900	28.566	29.74
256QAM	373000	1865	28.519	29.68
256QAM	376500	1882.5	28.491	29.64
256QAM	380000	1900	28.520	29.69

Spectrum Plot of Worst Value



NR n25 SCS 15 kHz, MIMO-Ant 0, Channel Bandwidth: 35 MHz

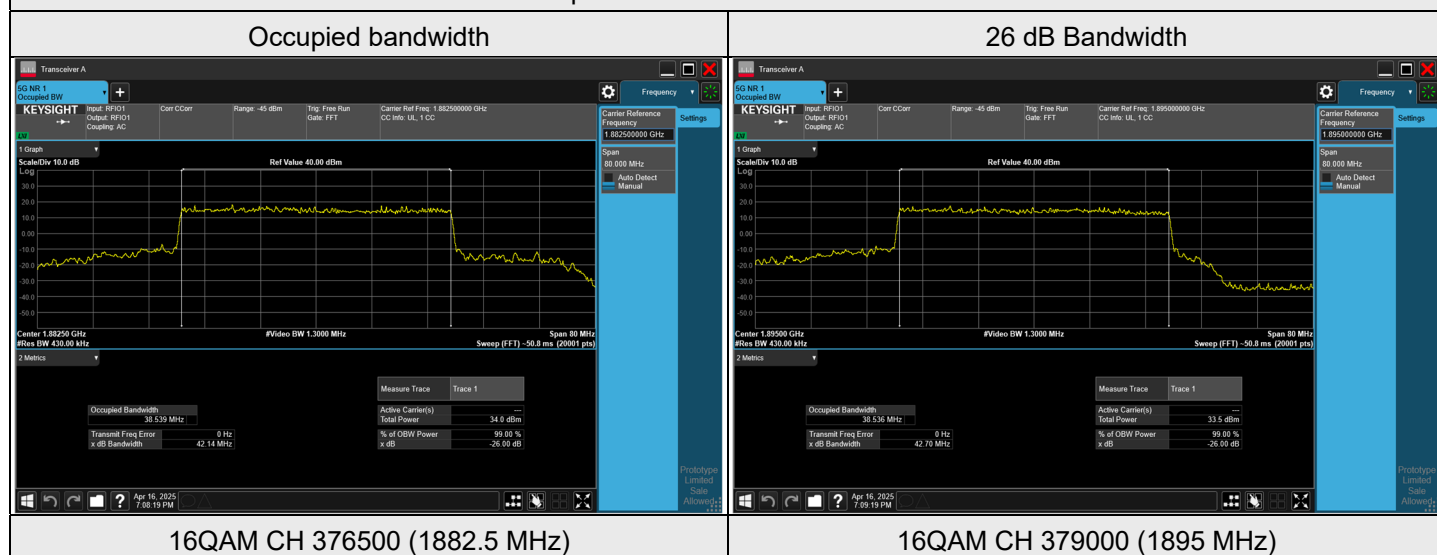
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	373500	1867.5	33.492	34.71
QPSK	376500	1882.5	33.533	34.72
QPSK	379500	1897.5	33.520	34.72
16QAM	373500	1867.5	33.472	34.70
16QAM	376500	1882.5	33.559	34.71
16QAM	379500	1897.5	33.509	34.71
64QAM	373500	1867.5	33.481	34.72
64QAM	376500	1882.5	33.531	34.70
64QAM	379500	1897.5	33.507	34.72
256QAM	373500	1867.5	33.461	34.69
256QAM	376500	1882.5	33.526	34.69
256QAM	379500	1897.5	33.503	34.69



NR n25 SCS 15 kHz, MIMO-Ant 0, Channel Bandwidth: 40 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	374000	1870	38.515	39.78
QPSK	376500	1882.5	38.521	39.91
QPSK	379000	1895	38.419	39.85
16QAM	374000	1870	38.506	41.94
16QAM	376500	1882.5	38.539	42.14
16QAM	379000	1895	38.536	42.70
64QAM	374000	1870	38.511	39.82
64QAM	376500	1882.5	38.387	39.83
64QAM	379000	1895	38.435	39.89
256QAM	374000	1870	38.424	39.90
256QAM	376500	1882.5	38.408	39.84
256QAM	379000	1895	38.426	39.92

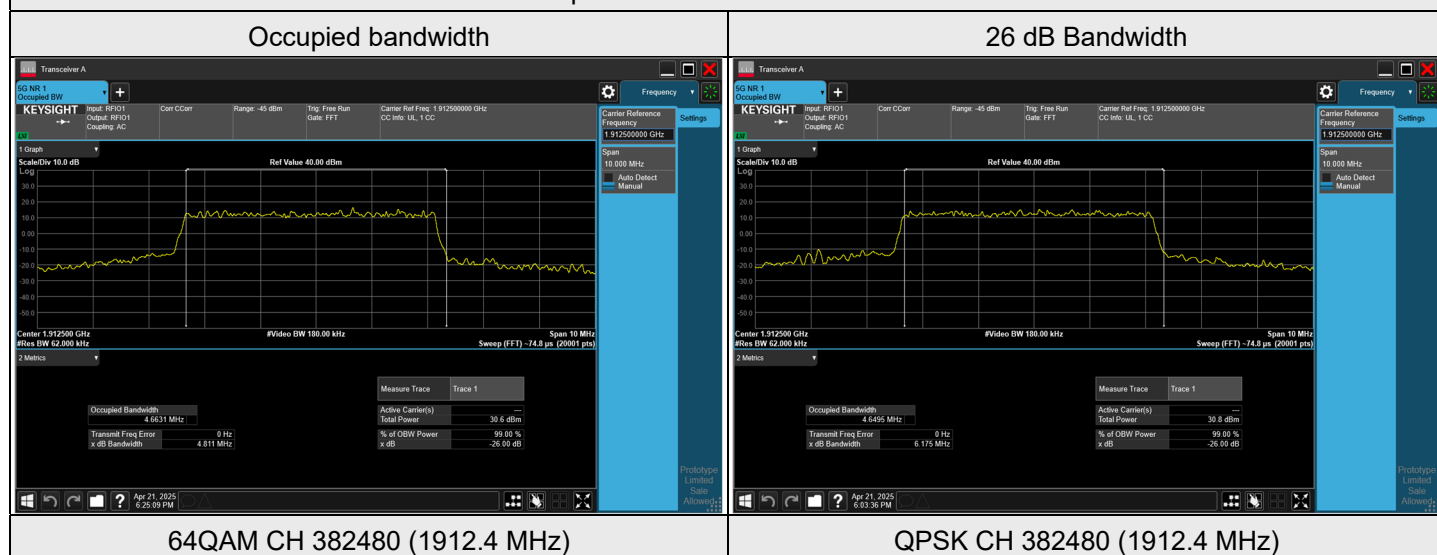
Spectrum Plot of Worst Value



NR n25 SCS 15 kHz, MIMO-Ant 1, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	370500	1852.5	4.4811	4.890
QPSK	376500	1882.5	4.4660	4.807
QPSK	382480	1912.4	4.6495	6.175
16QAM	370500	1852.5	4.4681	5.750
16QAM	376500	1882.5	4.4661	4.804
16QAM	382480	1912.4	4.6414	5.368
64QAM	370500	1852.5	4.4813	4.805
64QAM	376500	1882.5	4.4814	4.825
64QAM	382480	1912.4	4.6631	4.811
256QAM	370500	1852.5	4.4555	4.783
256QAM	376500	1882.5	4.4610	4.793
256QAM	382480	1912.4	4.6173	4.801

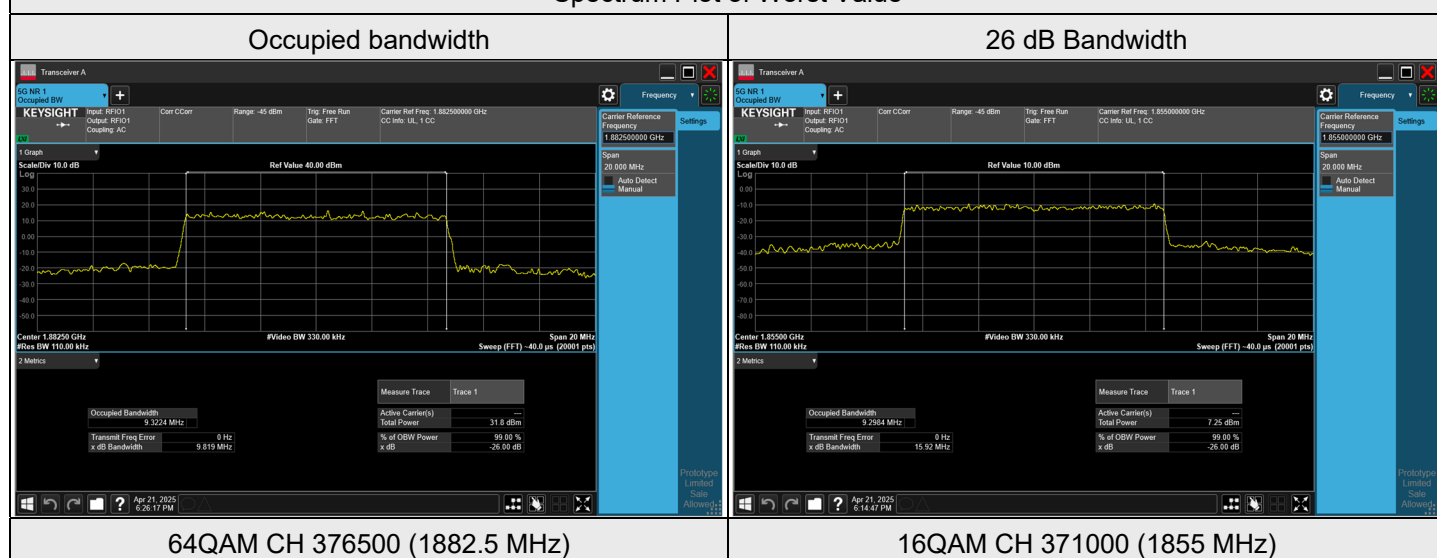
Spectrum Plot of Worst Value



NR n25 SCS 15 kHz, MIMO-Ant 1, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	371000	1855	9.2707	10.87
QPSK	376500	1882.5	9.2647	10.29
QPSK	382000	1910	9.2768	10.86
16QAM	371000	1855	9.2984	15.92
16QAM	376500	1882.5	9.2707	9.770
16QAM	382000	1910	9.2862	9.766
64QAM	371000	1855	9.2781	9.792
64QAM	376500	1882.5	9.3224	9.819
64QAM	382000	1910	9.2750	9.776
256QAM	371000	1855	9.2661	9.770
256QAM	376500	1882.5	9.2682	9.745
256QAM	382000	1910	9.2789	9.752

Spectrum Plot of Worst Value



NR n25 SCS 15 kHz, MIMO-Ant 1, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
QPSK	371500	1857.5	14.073	14.72
QPSK	376500	1882.5	14.067	14.73
QPSK	381500	1907.5	14.077	14.74
16QAM	371500	1857.5	14.095	14.63
16QAM	376500	1882.5	14.071	14.73
16QAM	381500	1907.5	14.115	14.74
64QAM	371500	1857.5	14.065	14.71
64QAM	376500	1882.5	14.065	14.68
64QAM	381500	1907.5	14.073	14.66
256QAM	371500	1857.5	14.074	14.74
256QAM	376500	1882.5	14.079	14.71
256QAM	381500	1907.5	14.079	14.72

Spectrum Plot of Worst Value

