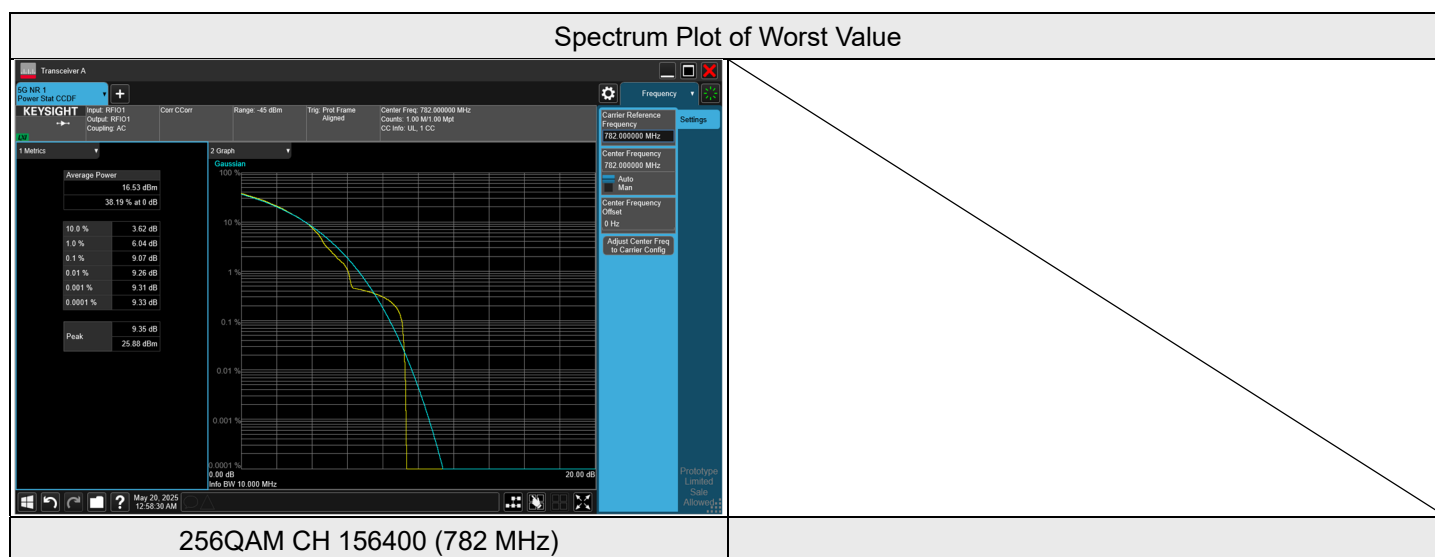


7.3.5 NR n13 SCS 15 kHz

NR n13 SCS 15 kHz, Channel Bandwidth: 10 MHz

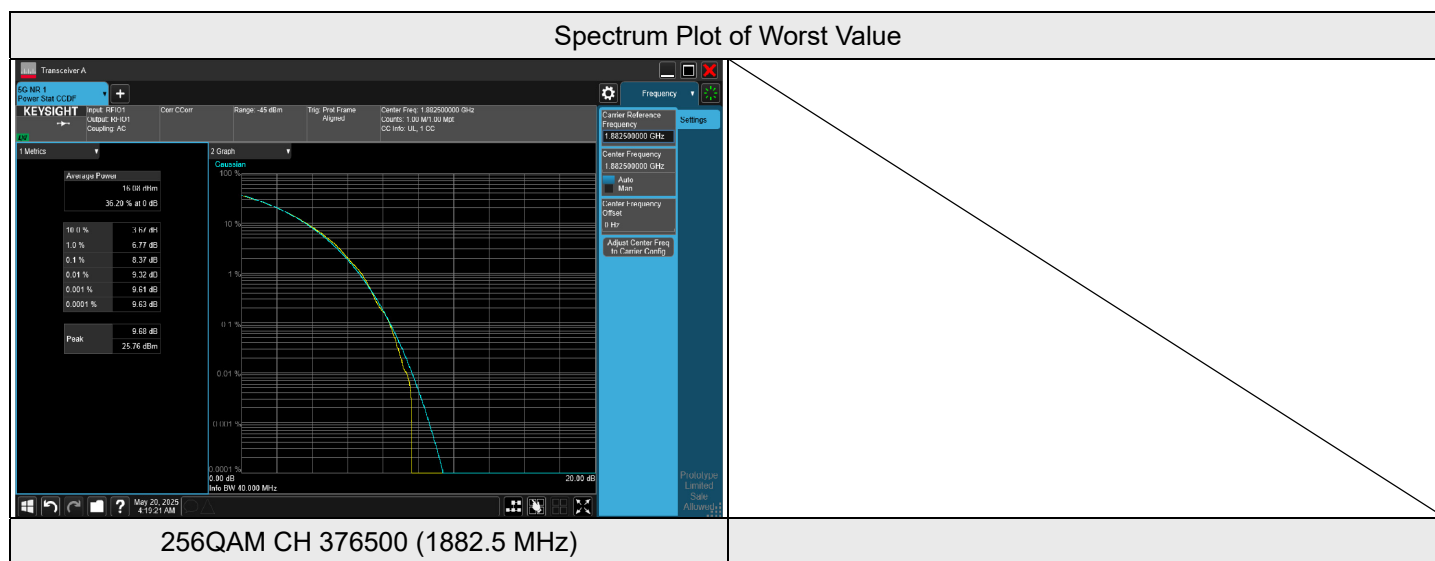
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)
			CH 156400
			782 MHz
BPSK	1	51	3.97
	1	0	4.37
QPSK	1	51	6.99
	1	0	7.54
16QAM	1	51	6.97
	1	0	7.43
64QAM	1	51	7.51
	1	0	7.75
256QAM	1	51	8.02
	1	0	9.07



7.3.6 NR n25 SCS 15 kHz

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

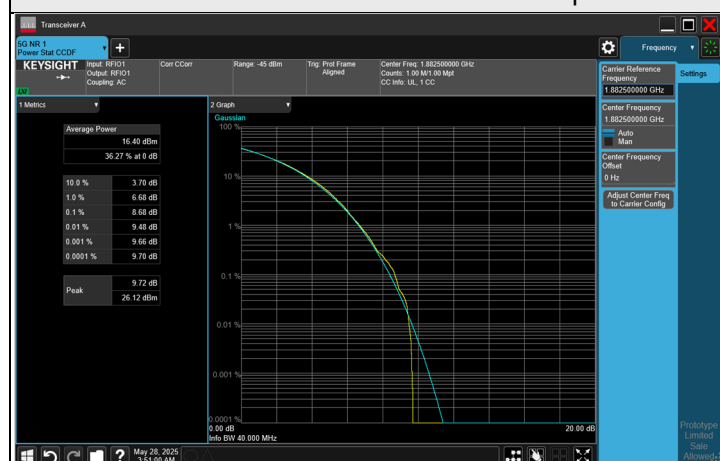
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)
			CH 376500
			1882.5 MHz
BPSK	1	215	3.97
BPSK	1	0	4.00
QPSK	1	215	7.09
QPSK	1	0	7.00
16QAM	1	215	7.12
16QAM	1	0	7.07
64QAM	1	215	7.25
64QAM	1	0	7.59
256QAM	1	215	8.29
256QAM	1	0	8.37



NR n25 SCS 15 kHz, MIMO-Ant 3, Channel Bandwidth: 40 MHz

Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)
			CH 376500
			1882.5 MHz
BPSK	1	215	4.11
	1	0	3.98
QPSK	1	215	6.64
	1	0	6.81
16QAM	1	215	6.68
	1	0	6.93
64QAM	1	215	7.19
	1	0	7.46
256QAM	1	215	8.68
	1	0	8.25

Spectrum Plot of Worst Value

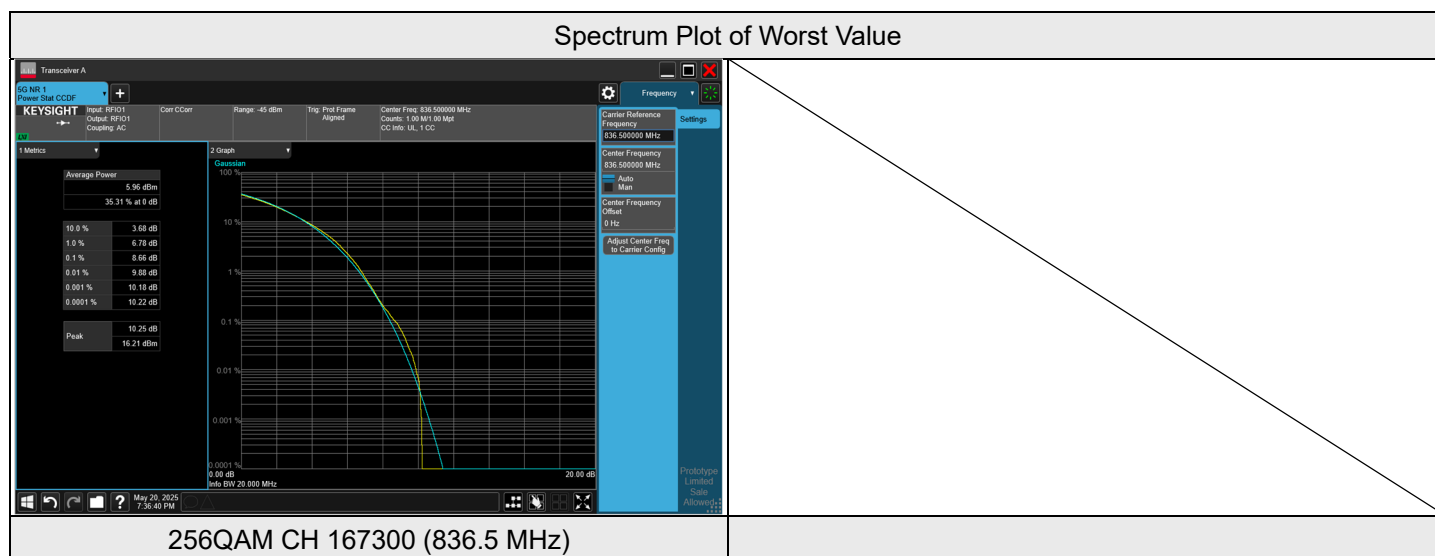


256QAM CH 376500 (1882.5 MHz)

7.3.7 NR n26 SCS 15 kHz (824 MHz ~ 849 MHz)

NR n26 SCS 15 kHz (824 MHz ~ 849 MHz), Channel Bandwidth: 20 MHz

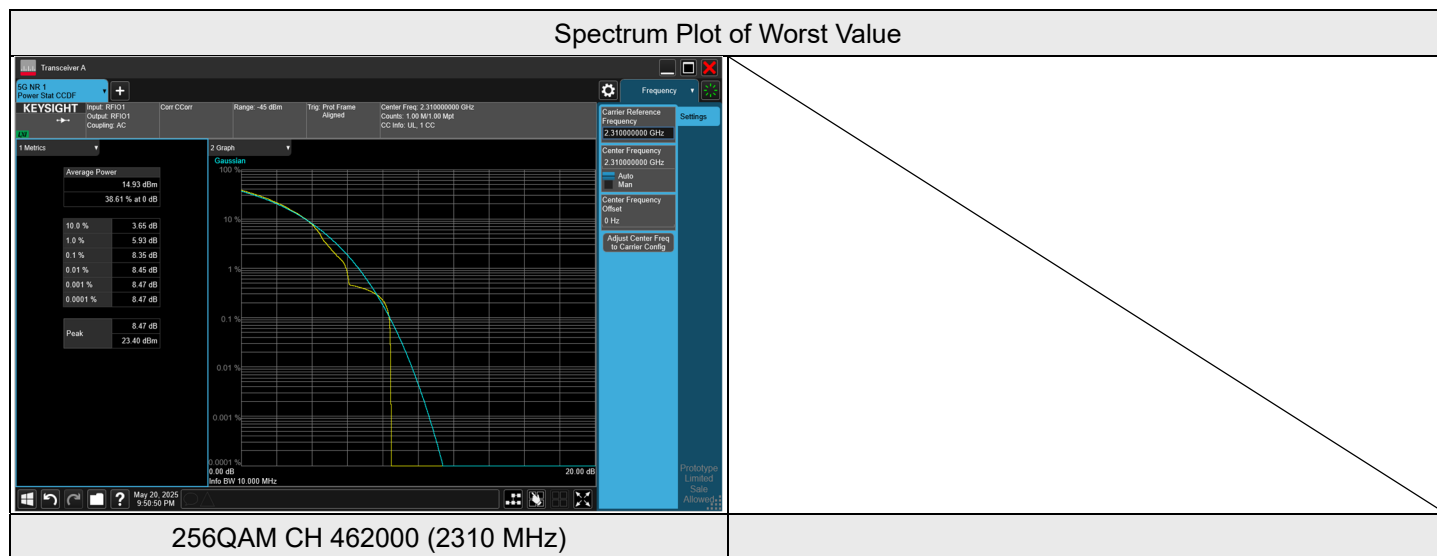
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)
			CH 167300
			836.5 MHz
BPSK	1	105	4.39
BPSK	1	0	3.67
QPSK	1	105	6.99
QPSK	1	0	6.43
16QAM	1	105	7.13
16QAM	1	0	6.45
64QAM	1	105	7.67
64QAM	1	0	7.01
256QAM	1	105	8.66
256QAM	1	0	8.24



7.3.8 NR n30 SCS 15 kHz

NR n30 SCS 15 kHz, MIMO-Ant 0, Channel Bandwidth: 10 MHz

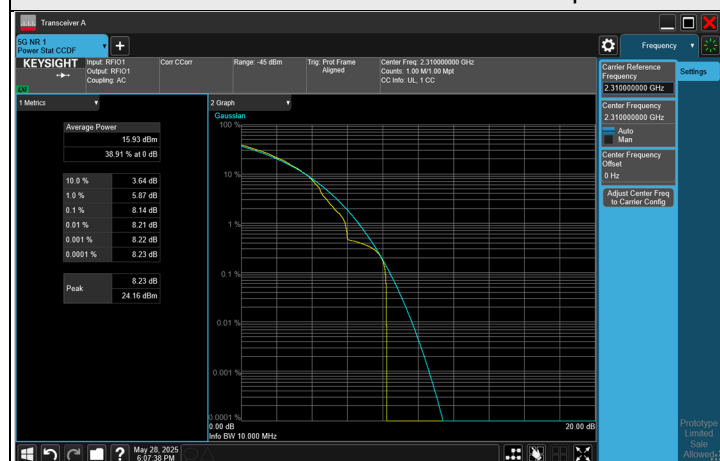
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)
			CH 462000
			2310 MHz
BPSK	1	51	3.17
	1	0	2.78
QPSK	1	51	6.07
	1	0	5.54
16QAM	1	51	6.11
	1	0	5.40
64QAM	1	51	6.42
	1	0	6.00
256QAM	1	51	7.97
	1	0	8.35



NR n30 SCS 15 kHz, MIMO-Ant 3, Channel Bandwidth: 10 MHz

Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)
			CH 462000
			2310 MHz
BPSK	1	51	2.83
	1	0	2.95
QPSK	1	51	5.38
	1	0	5.24
16QAM	1	51	5.34
	1	0	5.07
64QAM	1	51	5.86
	1	0	5.57
256QAM	1	51	7.80
	1	0	8.14

Spectrum Plot of Worst Value

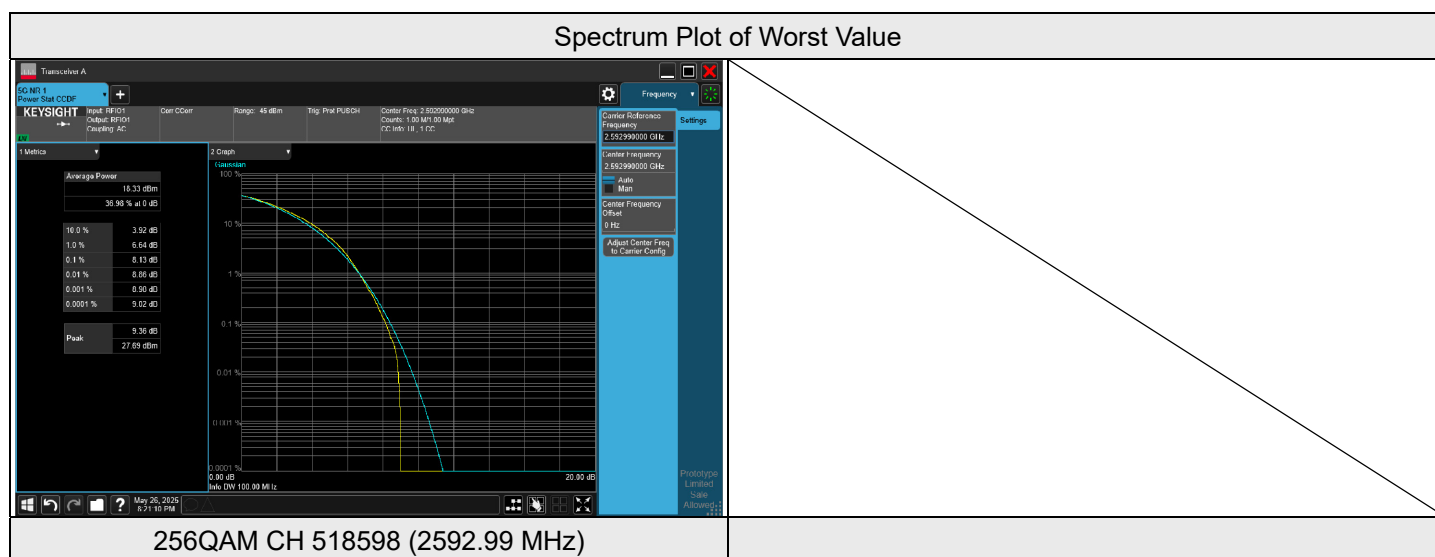


256QAM CH 462000 (2310 MHz)

7.3.9 NR n41 SCS 30 kHz

NR n41 SCS 30 kHz, PC1.5_MIMO-Ant 0, Channel Bandwidth: 100 MHz

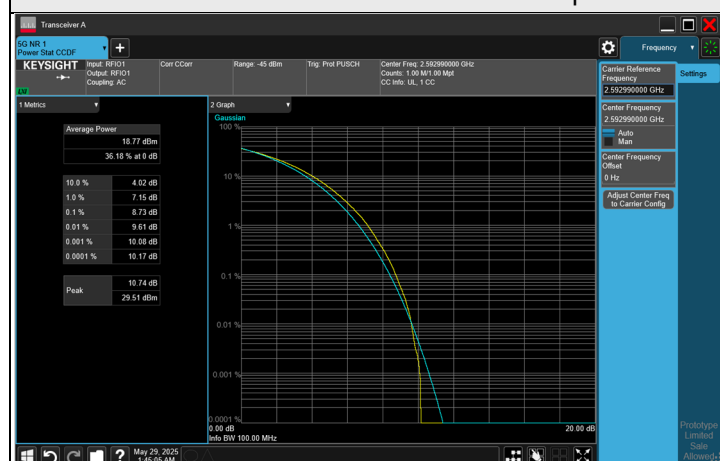
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)
			CH 518598
			2592.99 MHz
BPSK	1	272	4.42
	1	0	4.11
QPSK	1	272	7.41
	1	0	6.43
16QAM	1	272	6.90
	1	0	6.30
64QAM	1	272	7.19
	1	0	6.23
256QAM	1	272	8.13
	1	0	7.74



NR n41 SCS 30 kHz, PC1.5_MIMO-Ant 3, Channel Bandwidth: 100 MHz

Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)
			CH 518598
			2592.99 MHz
BPSK	1	272	4.57
	1	0	4.46
QPSK	1	272	7.06
	1	0	6.10
16QAM	1	272	6.70
	1	0	6.53
64QAM	1	272	7.48
	1	0	6.31
256QAM	1	272	8.18
	1	0	8.73

Spectrum Plot of Worst Value

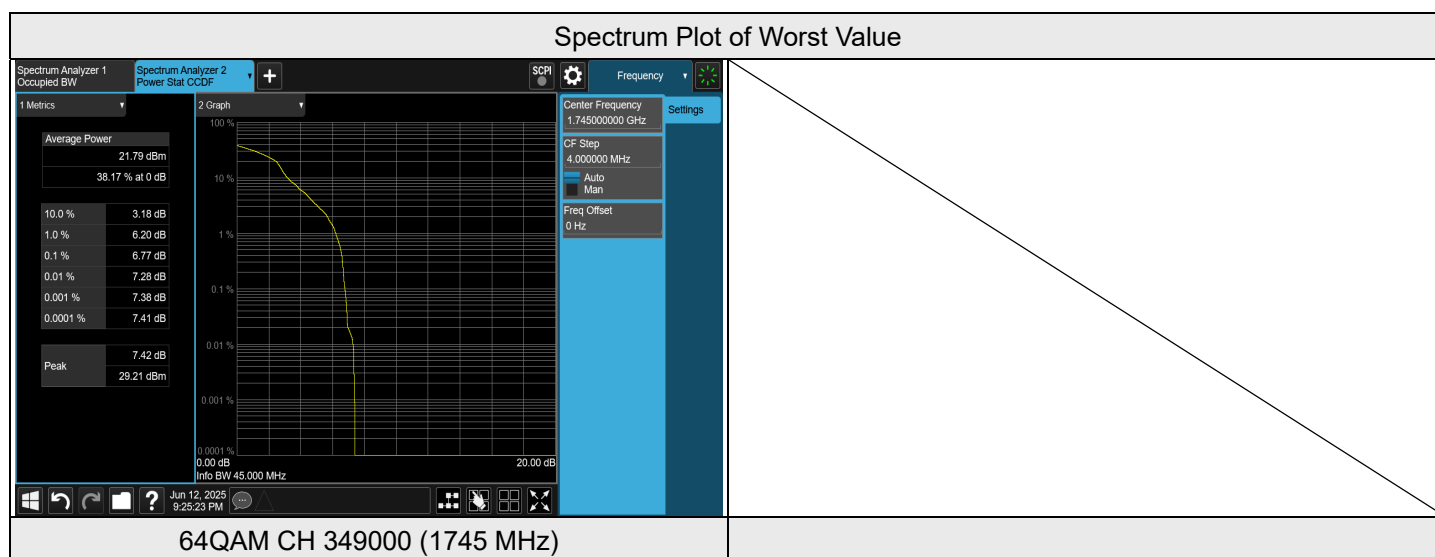


256QAM CH 518598 (2592.99 MHz)

7.3.10 NR n66 SCS 15 kHz

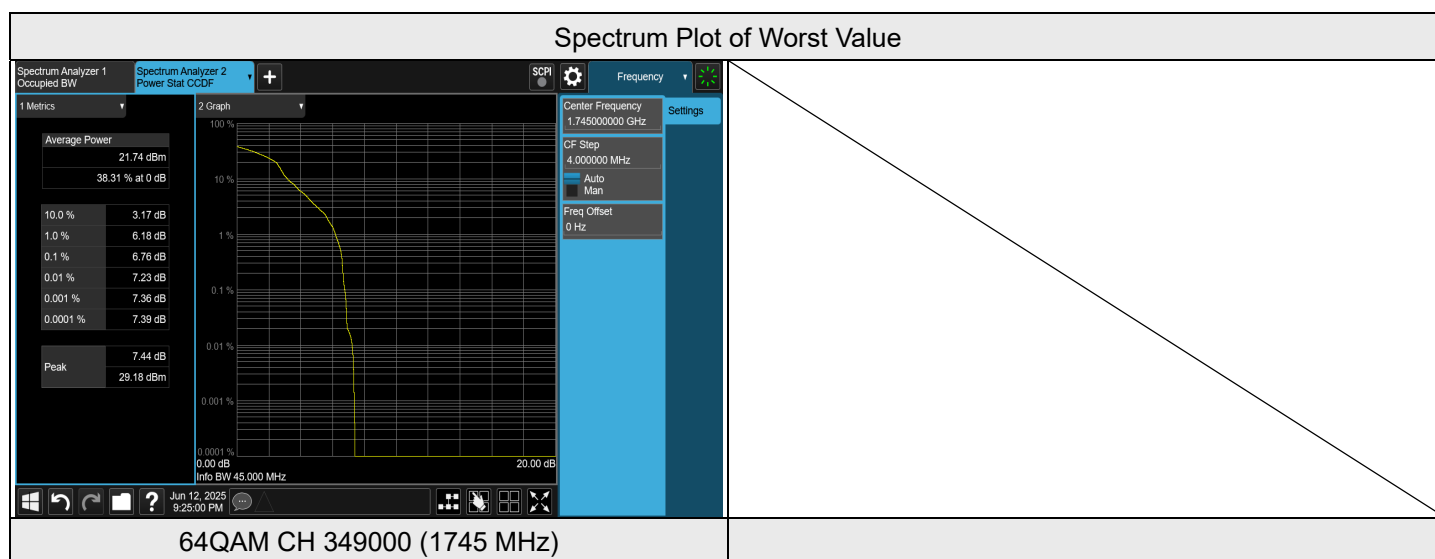
NR n66 SCS 15 kHz, MIMO-Ant 0, Channel Bandwidth: 45 MHz

Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)
			CH 349000
			1745 MHz
BPSK	1	241	3.99
	1	0	4.13
QPSK	1	241	4.84
	1	0	5.27
16QAM	1	241	5.94
	1	0	6.12
64QAM	1	241	6.44
	1	0	6.77
256QAM	1	241	6.37
	1	0	6.55



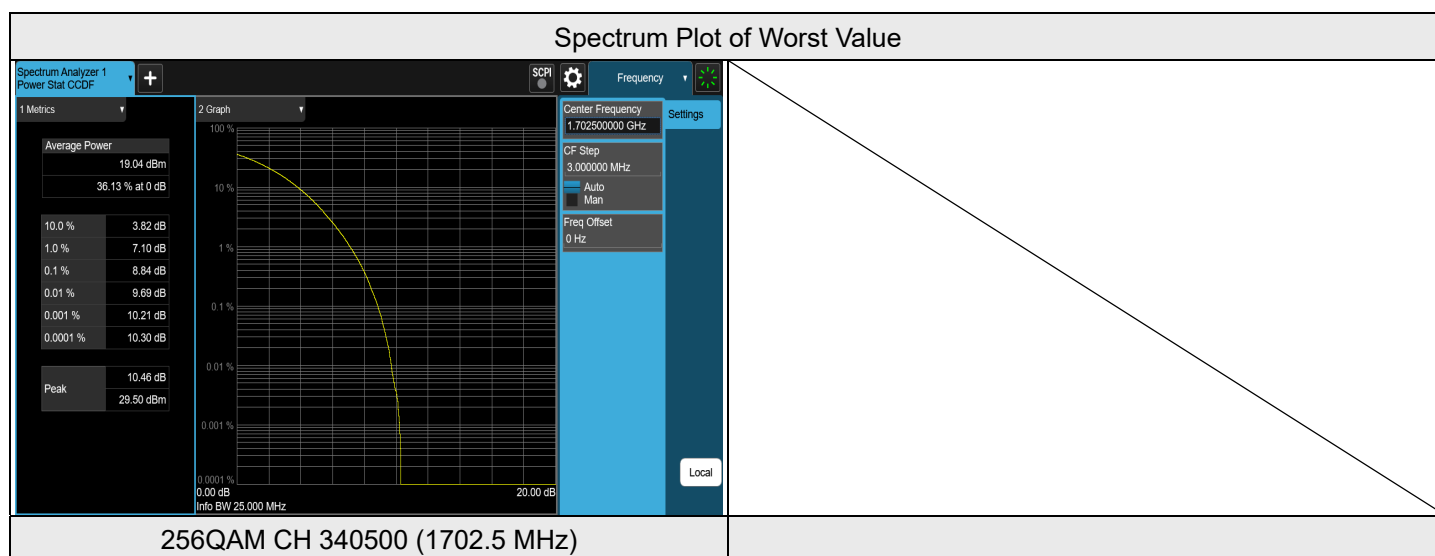
NR n66 SCS 15 kHz, MIMO-Ant 3, Channel Bandwidth: 45 MHz

Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)
			CH 349000
			1745 MHz
BPSK	1	241	3.75
	1	0	3.88
QPSK	1	241	4.62
	1	0	4.98
16QAM	1	241	5.74
	1	0	6.12
64QAM	1	241	6.39
	1	0	6.76
256QAM	1	241	6.02
	1	0	6.45



NR n70 SCS 15 kHz, MIMO-Ant 3, Channel Bandwidth: 15 MHz

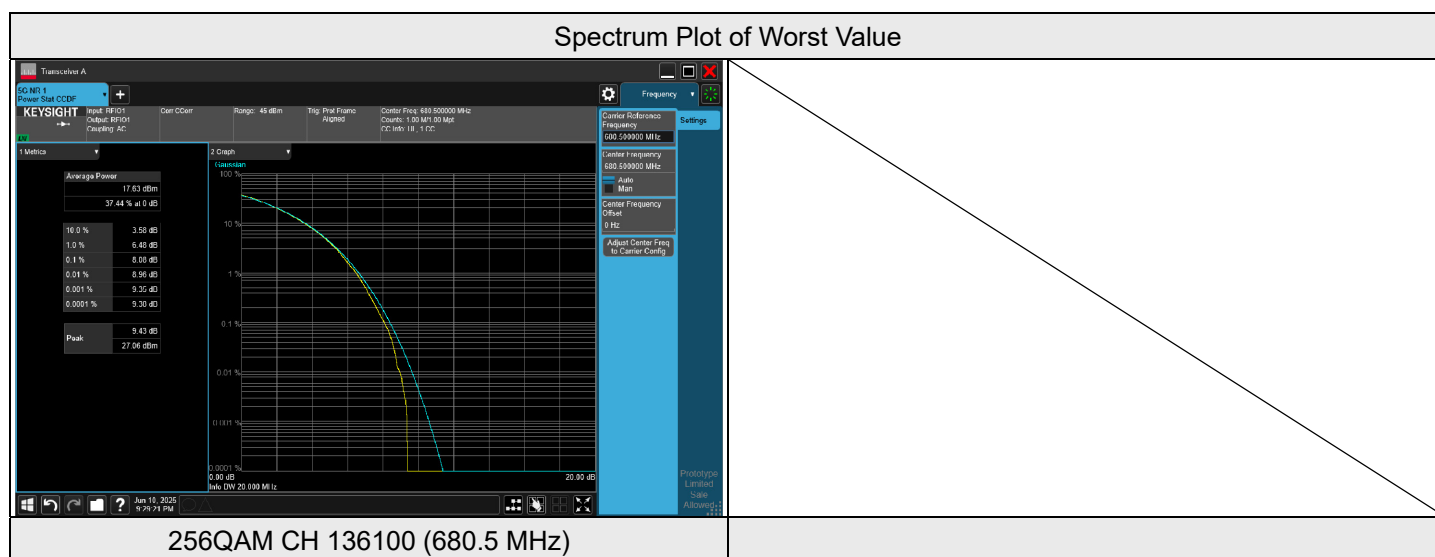
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)
			CH 340500
			1702.5 MHz
BPSK	1	78	4.28
	1	0	4.65
QPSK	1	78	5.78
	1	0	6.14
16QAM	1	78	7.49
	1	0	8.04
64QAM	1	78	7.55
	1	0	7.33
256QAM	1	78	8.53
	1	0	8.84



7.3.12 NR n71 SCS 15 kHz

NR n71 SCS 15 kHz, Channel Bandwidth: 20 MHz

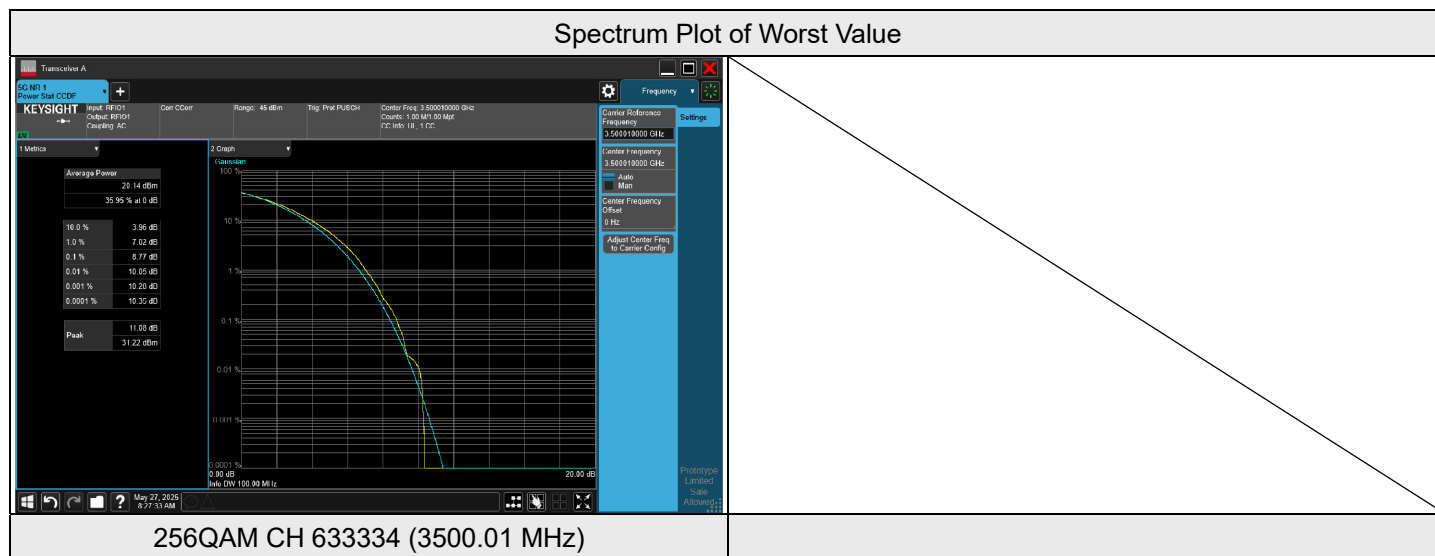
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)
			CH 136100
			680.5 MHz
BPSK	1	105	3.75
	1	0	3.79
QPSK	1	105	6.43
	1	0	6.59
16QAM	1	105	6.60
	1	0	6.76
64QAM	1	105	7.08
	1	0	7.24
256QAM	1	105	8.08
	1	0	7.78



7.3.13 NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz)

NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), PC1.5_MIMO-Ant 0, Channel Bandwidth: 100 MHz

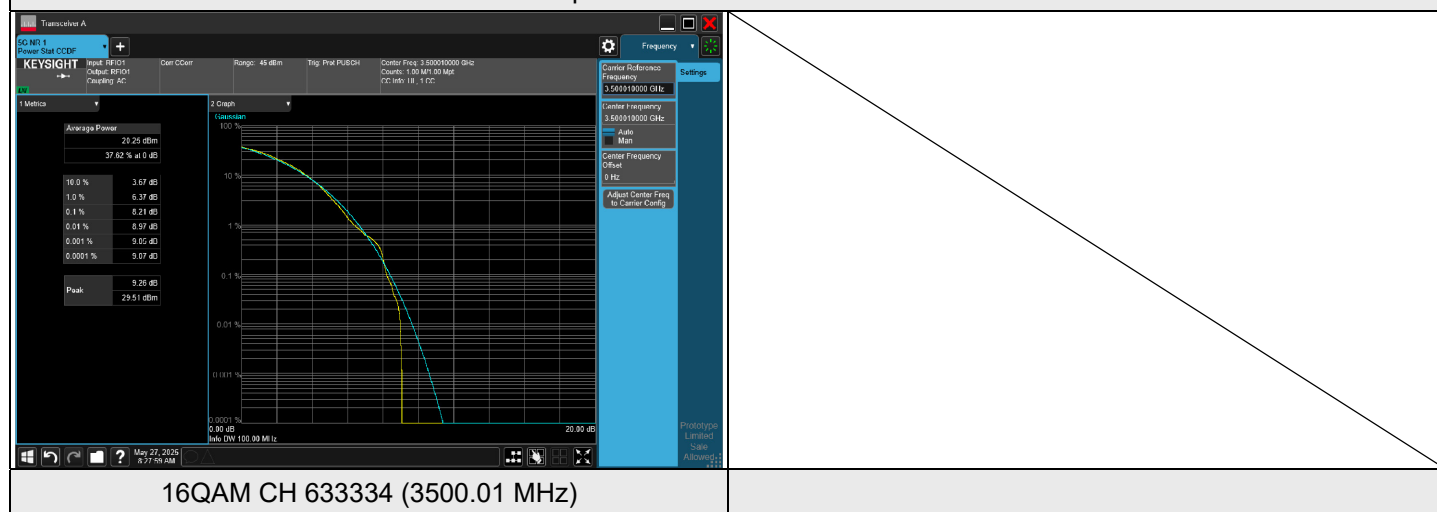
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)
			CH 633334
			3500.01 MHz
BPSK	1	272	4.57
	1	0	4.90
QPSK	1	272	7.26
	1	0	6.59
16QAM	1	272	7.11
	1	0	6.94
64QAM	1	272	7.40
	1	0	7.33
256QAM	1	272	8.77
	1	0	8.21



NR n77 SCS 30 kHz (3.45 GHz ~ 3.55 GHz), PC1.5_MIMO-Ant 3, Channel Bandwidth: 100 MHz

Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)
			CH 633334
			3500.01 MHz
BPSK	1	272	4.24
	1	0	4.39
QPSK	1	272	5.51
	1	0	5.60
16QAM	1	272	6.75
	1	0	6.68
64QAM	1	272	6.91
	1	0	7.29
256QAM	1	272	8.05
	1	0	8.21

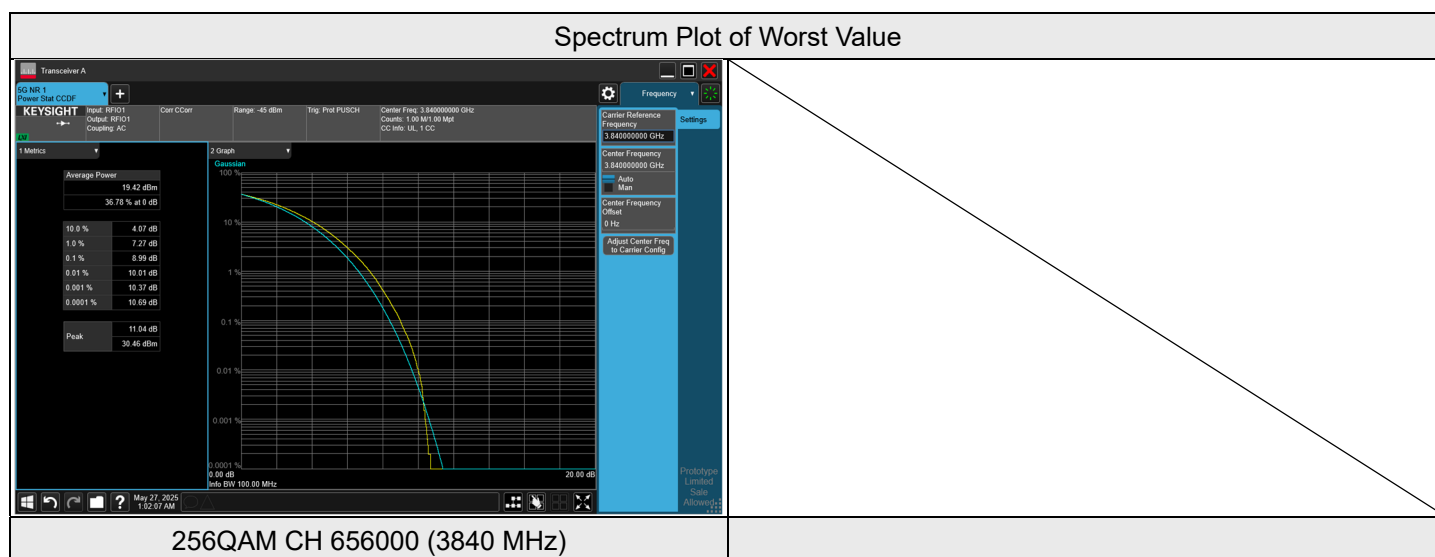
Spectrum Plot of Worst Value



7.3.14 NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz)

NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), PC1.5_MIMO-Ant 0, Channel Bandwidth: 100 MHz

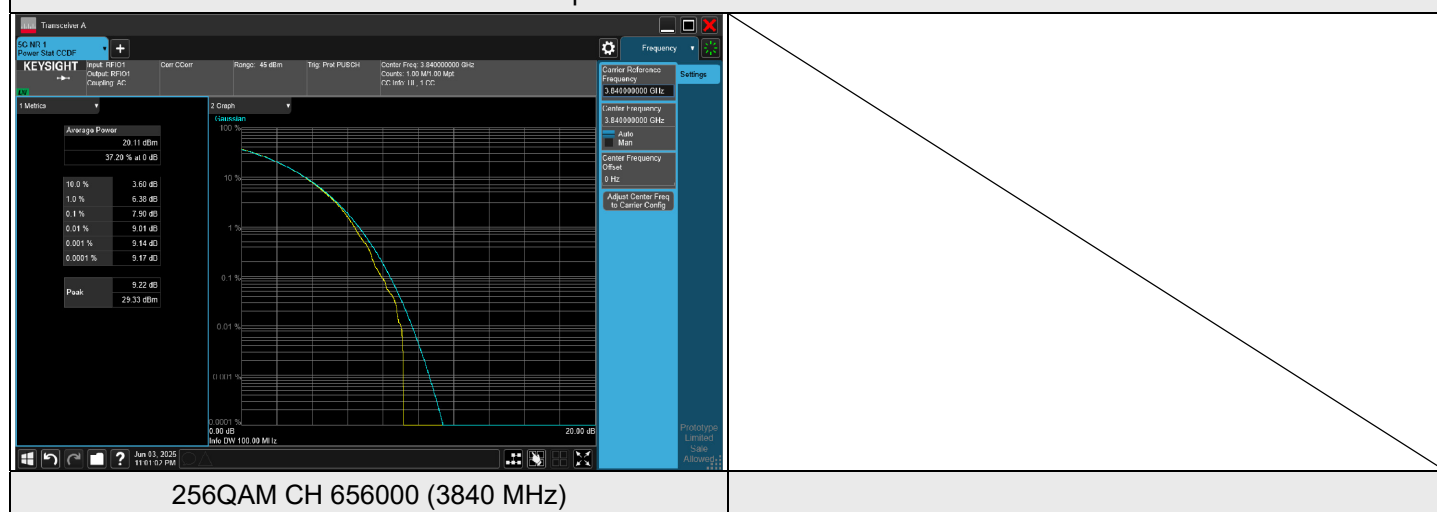
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)
			CH 656000
			3840 MHz
BPSK	1	272	4.39
	1	0	4.43
QPSK	1	272	7.69
	1	0	7.28
16QAM	1	272	7.36
	1	0	6.79
64QAM	1	272	6.87
	1	0	7.11
256QAM	1	272	7.89
	1	0	8.99



NR n77 SCS 30 kHz (3.7 GHz ~ 3.98 GHz), PC1.5_MIMO-Ant 3, Channel Bandwidth: 100 MHz

Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)
			CH 656000
			3840 MHz
BPSK	1	272	4.20
	1	0	4.38
QPSK	1	272	6.80
	1	0	6.96
16QAM	1	272	6.96
	1	0	7.02
64QAM	1	272	6.93
	1	0	7.09
256QAM	1	272	7.74
	1	0	7.90

Spectrum Plot of Worst Value



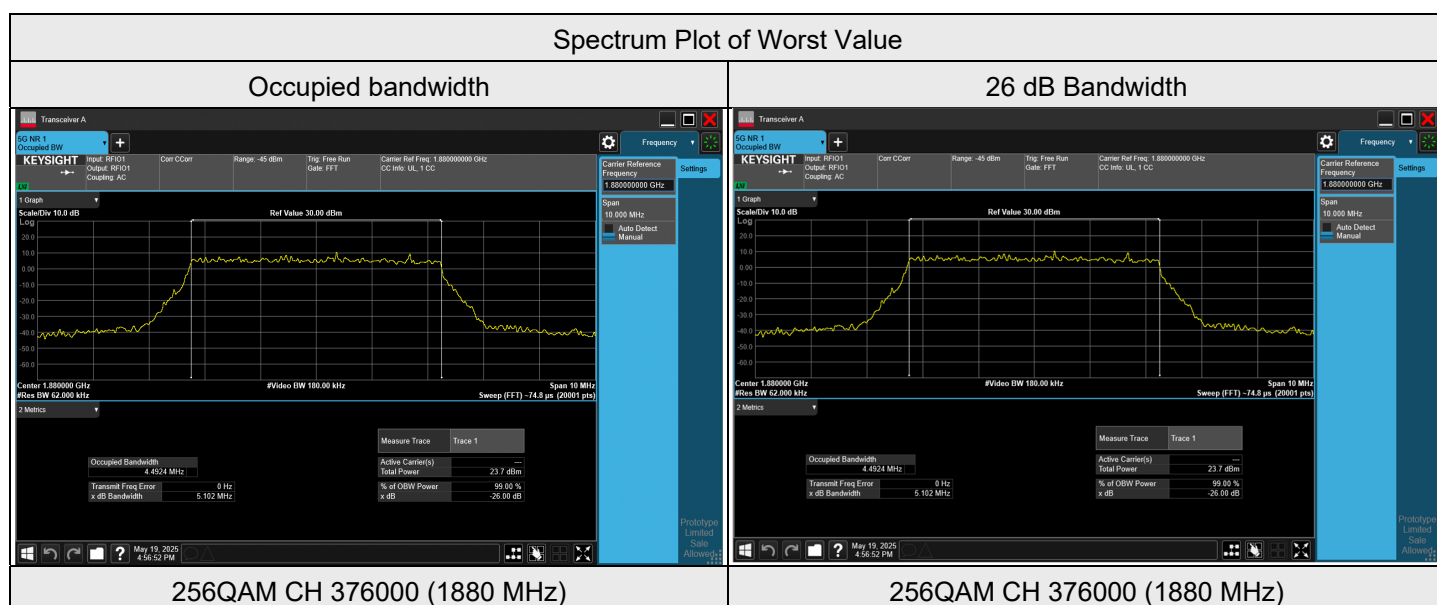
7.4 Bandwidth

Input Power:	3.8 Vdc	Environmental Conditions:	23°C, 62% RH	Tested By:	Charles Hsiao
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7.4.1 NR n2 SCS 15 kHz

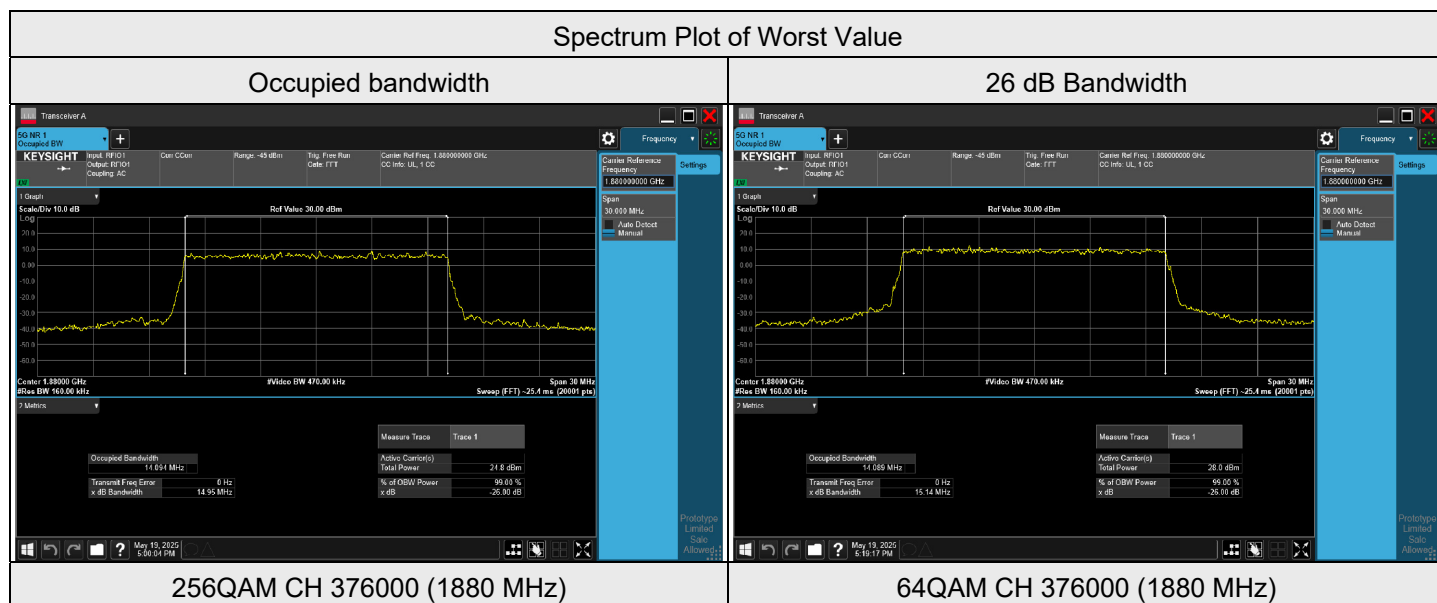
NR n2 SCS 15 kHz, MIMO-Ant 0, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	376000	1880	4.4780	5.037
QPSK	376000	1880	4.4625	5.084
16QAM	376000	1880	4.4722	5.054
64QAM	376000	1880	4.4782	5.027
256QAM	376000	1880	4.4924	5.102



NR n2 SCS 15 kHz, MIMO-Ant 0, Channel Bandwidth: 15 MHz

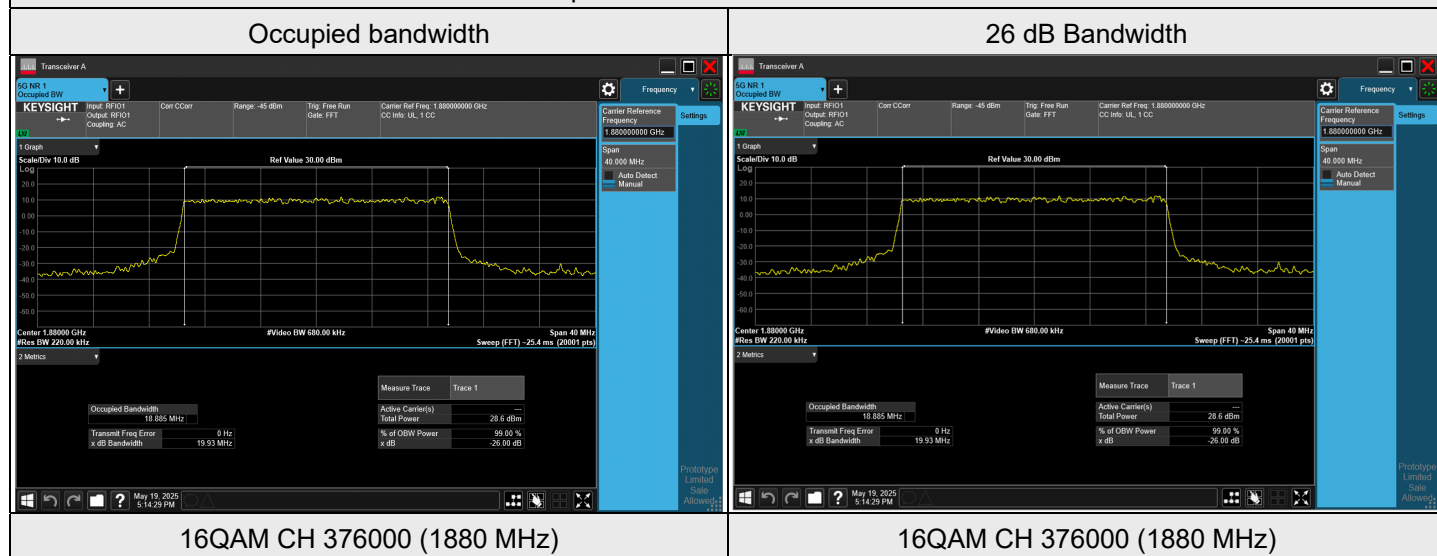
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	376000	1880	14.026	14.33
QPSK	376000	1880	14.061	15.09
16QAM	376000	1880	14.074	14.91
64QAM	376000	1880	14.089	15.14
256QAM	376000	1880	14.094	14.95



NR n2 SCS 15 kHz, MIMO-Ant 0, Channel Bandwidth: 20 MHz

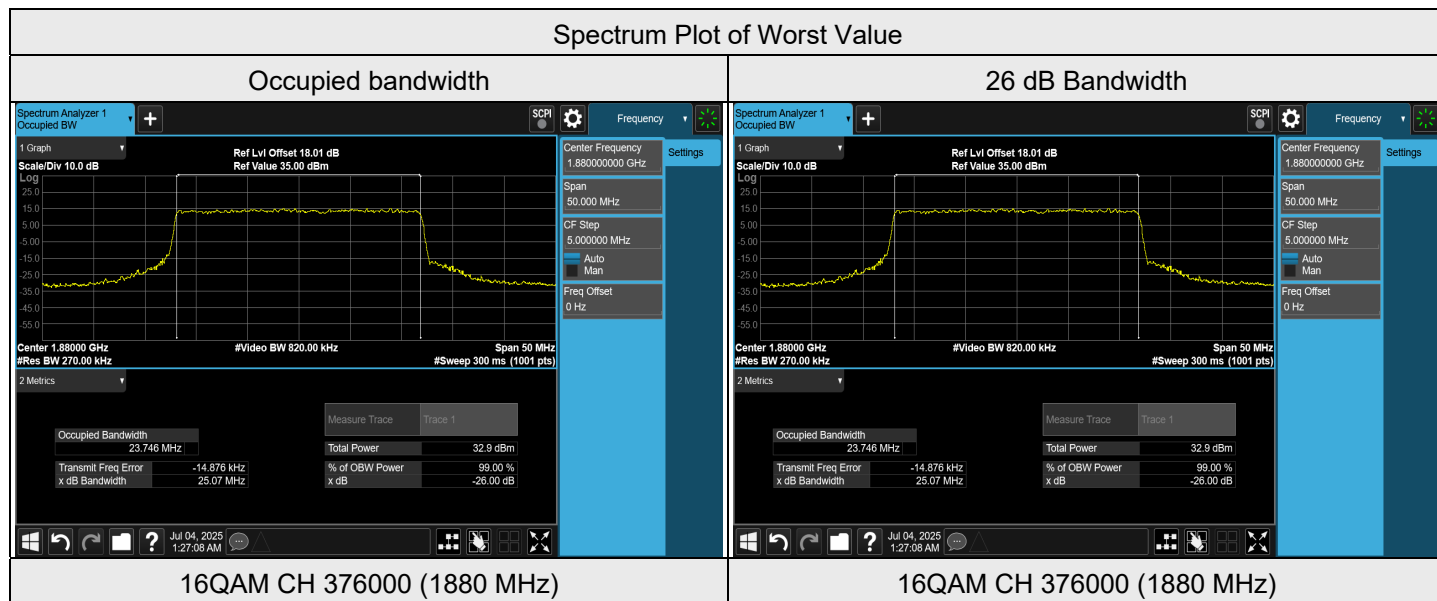
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	376000	1880	18.673	18.76
QPSK	376000	1880	18.873	19.87
16QAM	376000	1880	18.885	19.93
64QAM	376000	1880	18.812	19.78
256QAM	376000	1880	18.881	19.75

Spectrum Plot of Worst Value



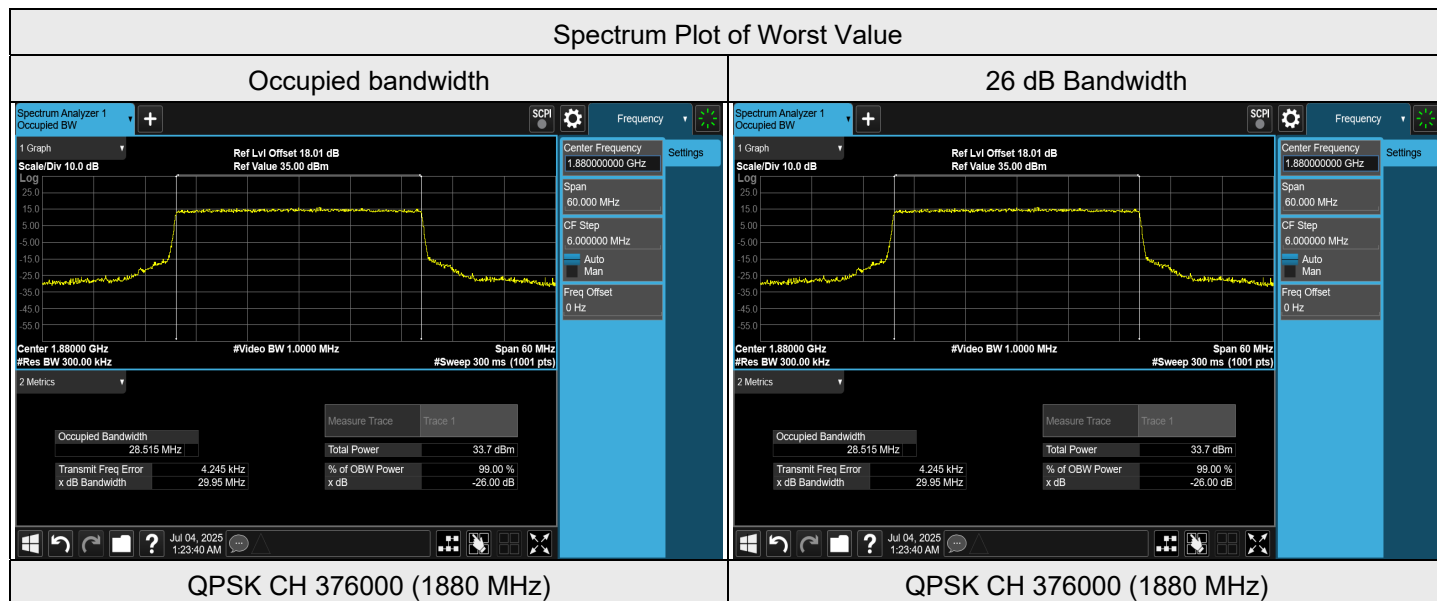
NR n2 SCS 15 kHz, MIMO-Ant 0, Channel Bandwidth: 25 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	376000	1880	22.858	23.78
QPSK	376000	1880	23.714	24.68
16QAM	376000	1880	23.746	25.07
64QAM	376000	1880	23.717	24.67
256QAM	376000	1880	23.721	24.68



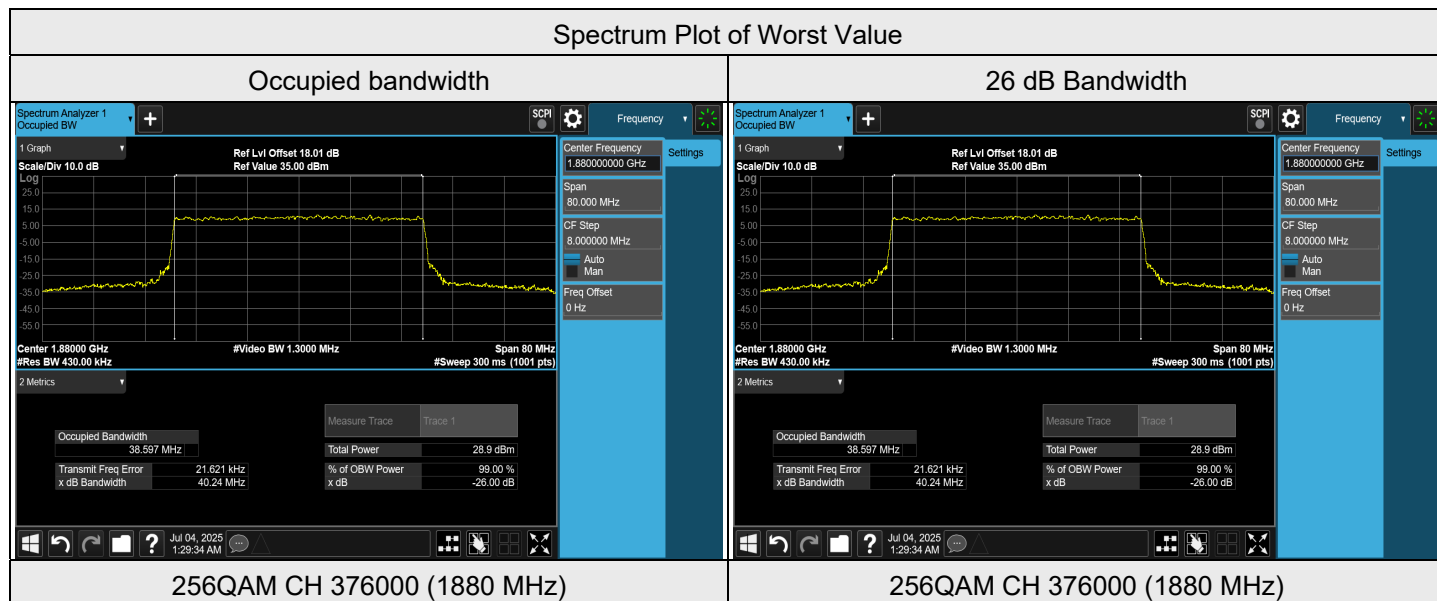
NR n2 SCS 15 kHz, MIMO-Ant 0, Channel Bandwidth: 30 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	376000	1880	28.511	29.54
QPSK	376000	1880	28.515	29.95
16QAM	376000	1880	28.514	29.53
64QAM	376000	1880	28.506	29.54
256QAM	376000	1880	28.509	29.53



NR n2 SCS 15 kHz, MIMO-Ant 0, Channel Bandwidth: 40 MHz

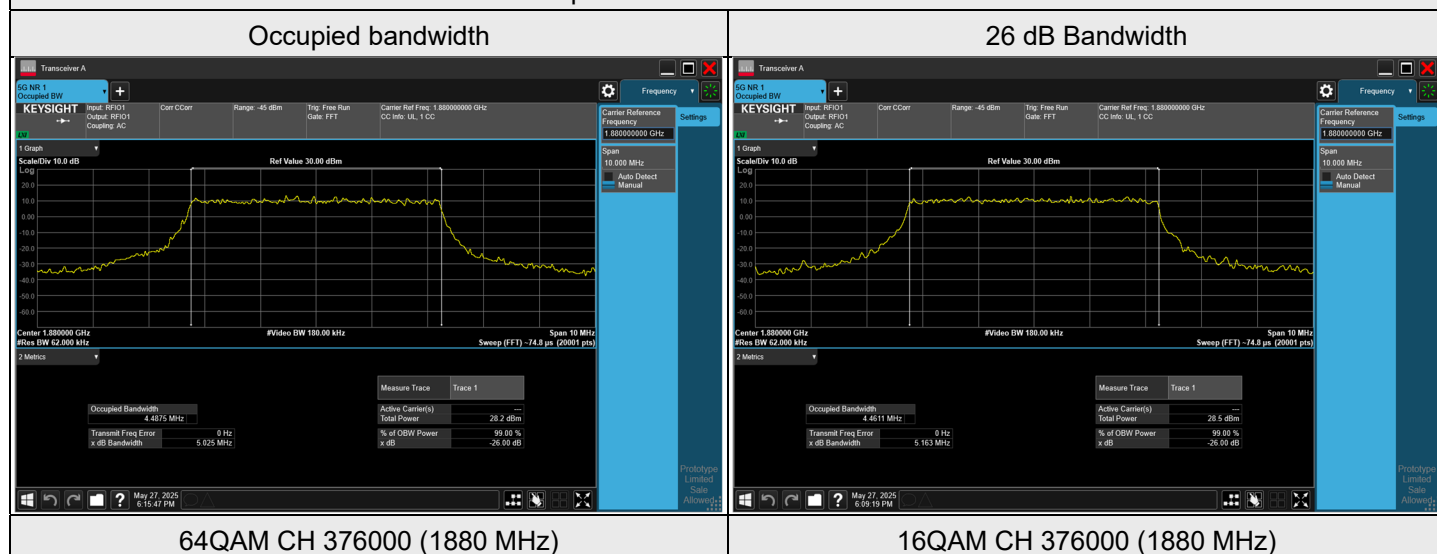
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	376000	1880	38.526	39.89
QPSK	376000	1880	38.494	39.92
16QAM	376000	1880	38.480	39.90
64QAM	376000	1880	38.514	39.92
256QAM	376000	1880	38.597	40.24



NR n2 SCS 15 kHz, MIMO-Ant 3, Channel Bandwidth: 5 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	376000	1880	4.4825	5.060
QPSK	376000	1880	4.4482	4.940
16QAM	376000	1880	4.4611	5.163
64QAM	376000	1880	4.4875	5.025
256QAM	376000	1880	4.4573	4.984

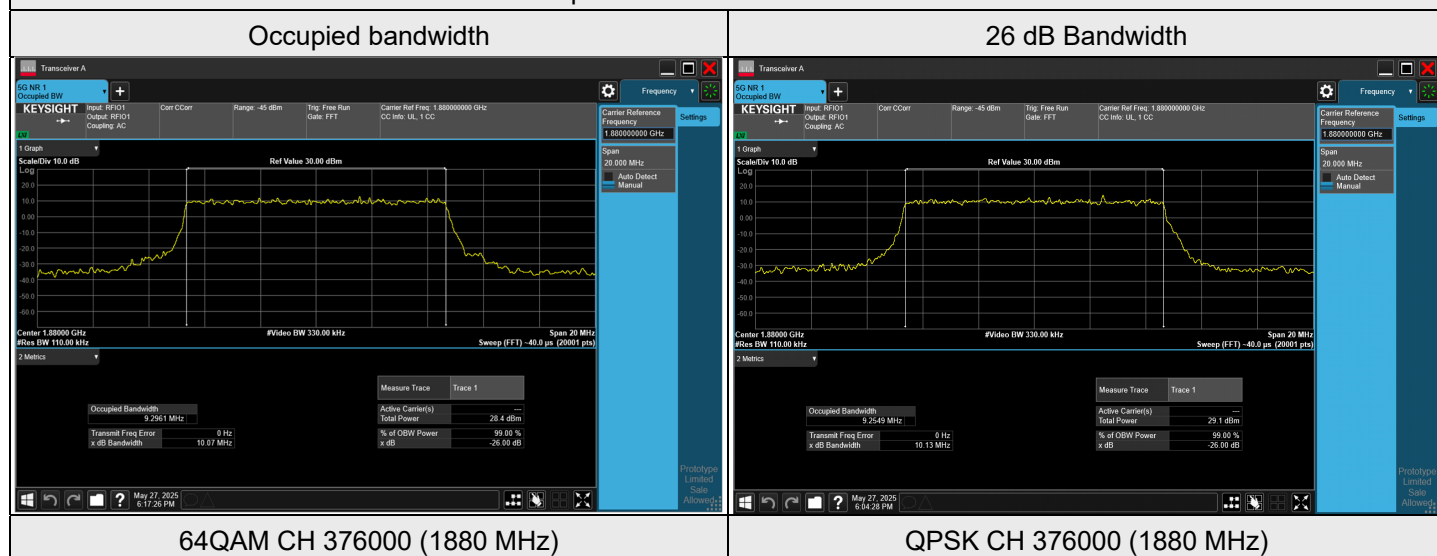
Spectrum Plot of Worst Value



NR n2 SCS 15 kHz, MIMO-Ant 3, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	376000	1880	9.1662	9.700
QPSK	376000	1880	9.2549	10.13
16QAM	376000	1880	9.2708	9.844
64QAM	376000	1880	9.2961	10.07
256QAM	376000	1880	9.2629	10.04

Spectrum Plot of Worst Value



NR n2 SCS 15 kHz, MIMO-Ant 3, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	376000	1880	13.957	14.35
QPSK	376000	1880	14.088	15.11
16QAM	376000	1880	14.104	14.97
64QAM	376000	1880	14.068	15.02
256QAM	376000	1880	14.109	15.05

Spectrum Plot of Worst Value

