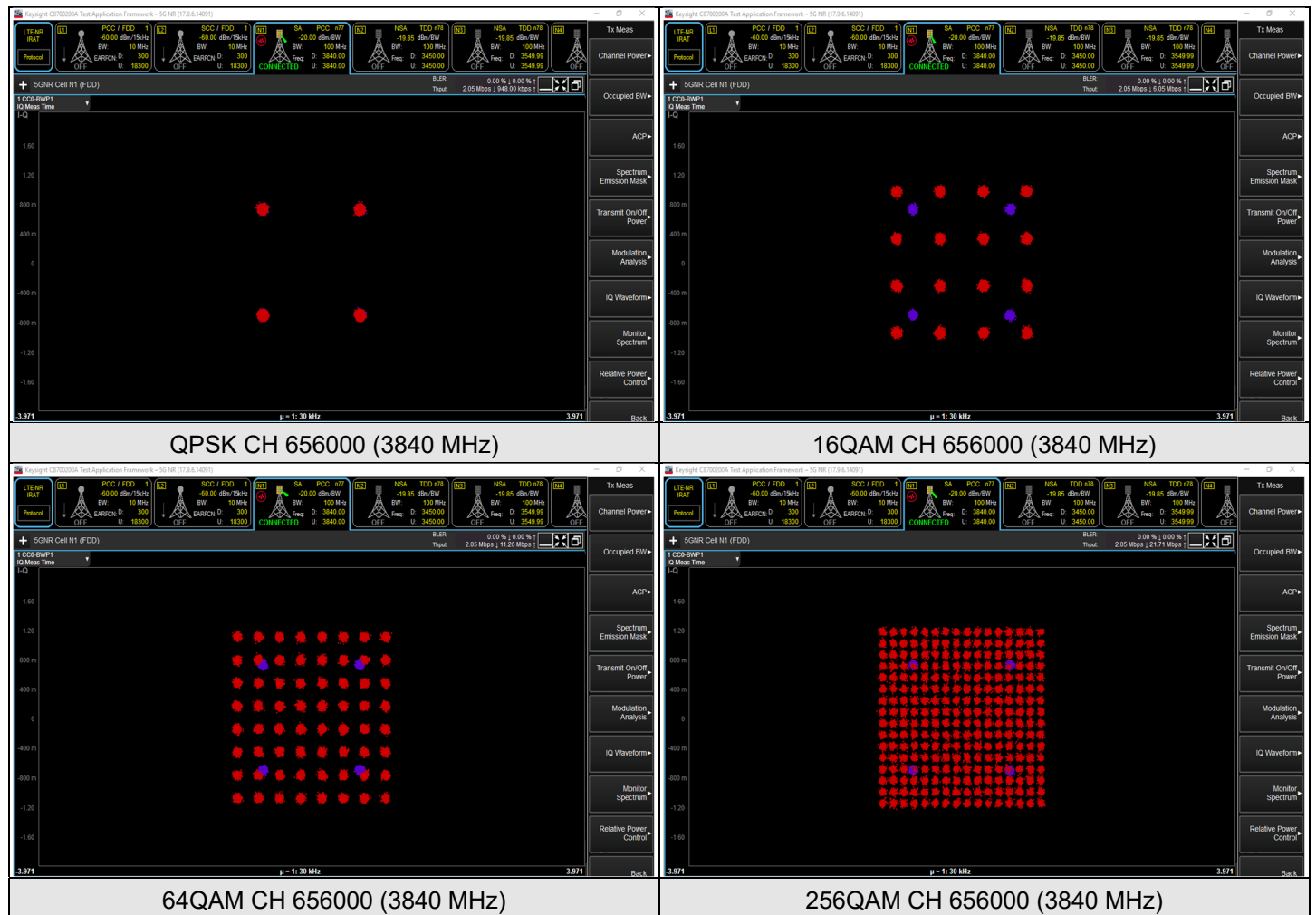
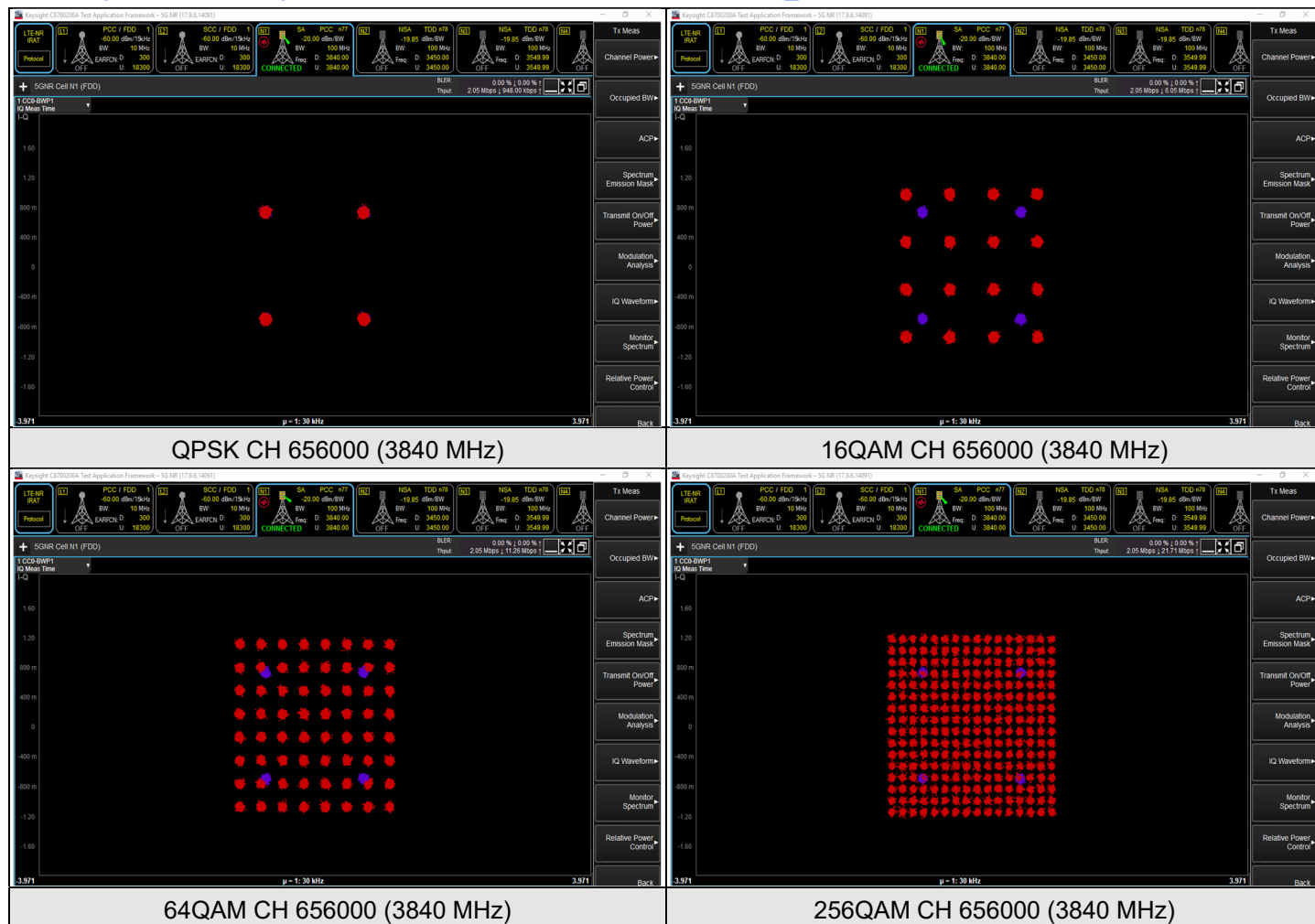


7.2.7 NR n77 (3700-3980 MHz) SCS 30 kHz

NR n77 (3700-3980 MHz) SCS 30 kHz, Channel Bandwidth: 100 MHz_Ant. 1



NR n77 (3700-3980 MHz) SCS 30 kHz, Channel Bandwidth: 100 MHz_Ant. 6



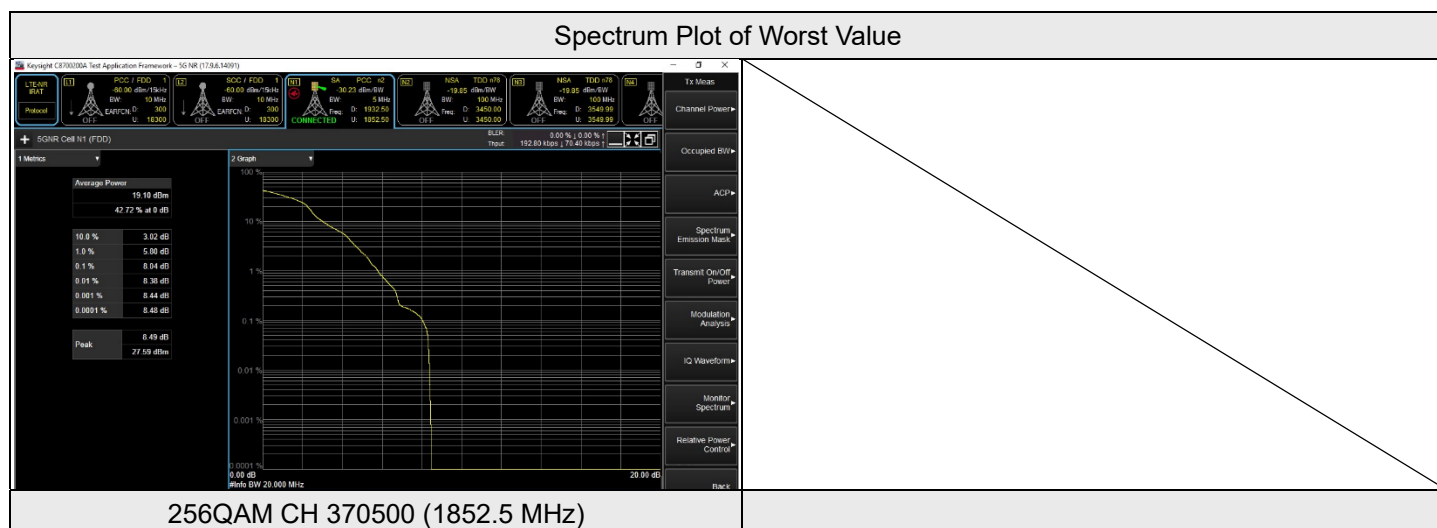
7.3 Peak to Average Ratio

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	21°C, 70% RH	Tested By:	James Yang
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7.3.1 NR n2 SCS 15 kHz

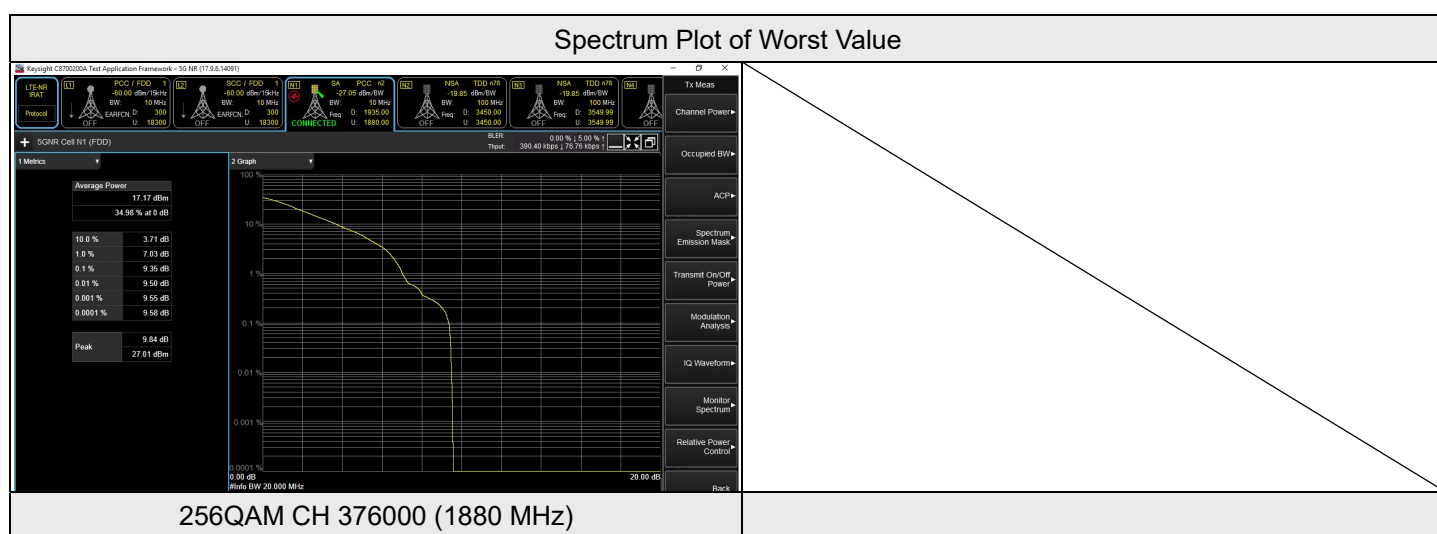
NR n2 SCS 15 kHz, Channel Bandwidth: 5 MHz

NR n2 SCS 15 kHz 5M					
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 370500	CH 376000	CH 381500
			1852.5 MHz	1880 MHz	1907.5 MHz
BPSK	1	0	3.60	4.24	4.55
QPSK	1	0	6.08	6.43	6.47
16QAM	1	0	6.77	6.66	6.32
64QAM	1	0	7.97	7.70	7.34
256QAM	1	0	8.04	6.98	7.06



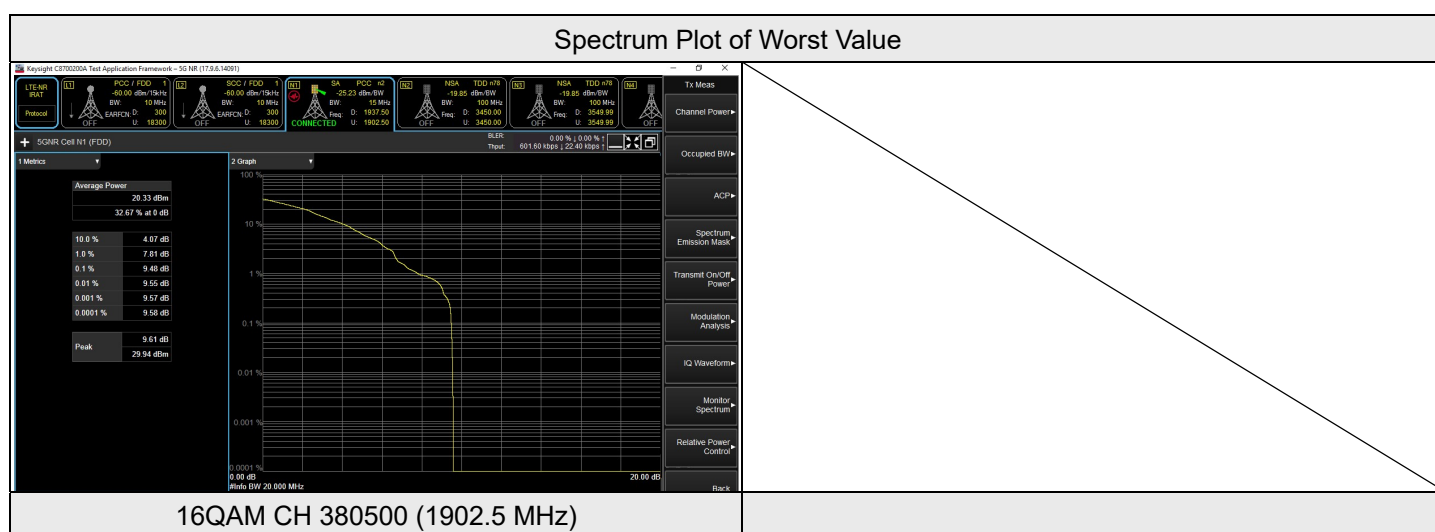
NR n2 SCS 15 kHz, Channel Bandwidth: 10 MHz

NR n2 SCS 15 kHz 10M					
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 371000	CH 376000	CH 381000
			1855 MHz	1880 MHz	1905 MHz
BPSK	1	0	4.40	4.33	4.19
QPSK	1	0	6.00	6.94	7.11
16QAM	1	0	7.81	9.01	8.83
64QAM	1	0	8.43	8.50	7.97
256QAM	1	0	7.51	9.35	8.37



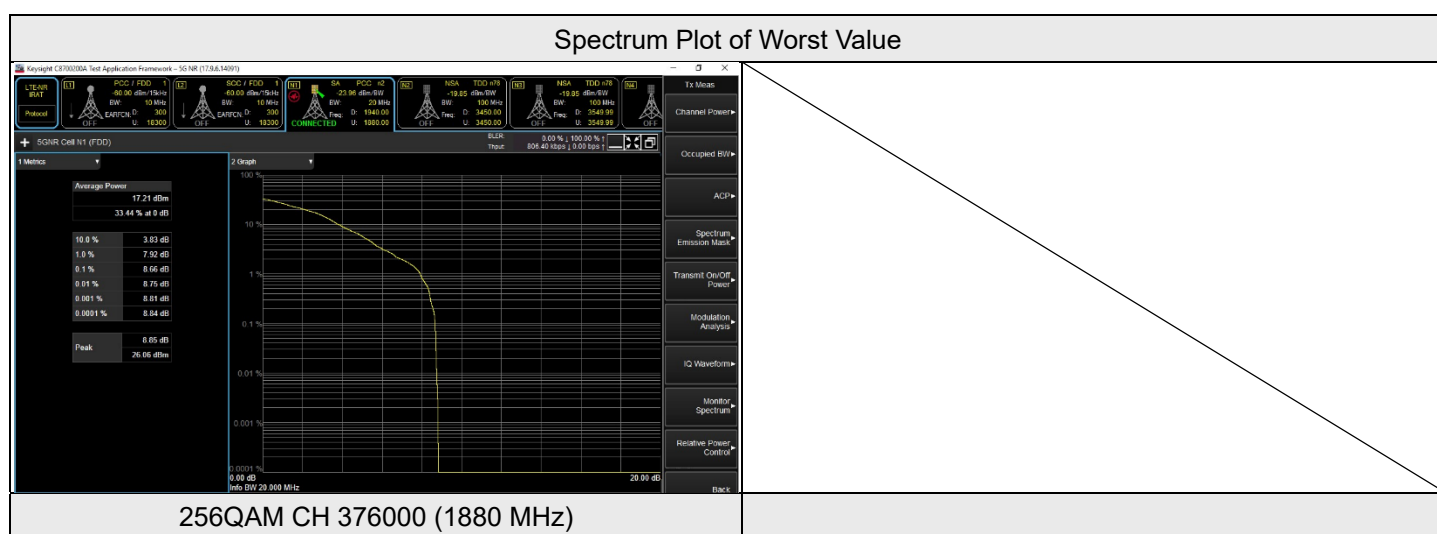
NR n2 SCS 15 kHz, Channel Bandwidth: 15 MHz

NR n2 SCS 15 kHz 15M					
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 371500	CH 376000	CH 380500
			1857.5 MHz	1880 MHz	1902.5 MHz
BPSK	1	0	4.05	4.73	4.50
QPSK	1	0	8.47	7.79	6.92
16QAM	1	0	8.54	8.11	9.48
64QAM	1	0	7.84	8.02	8.29
256QAM	1	0	8.22	8.95	8.20



NR n2 SCS 15 kHz, Channel Bandwidth: 20 MHz

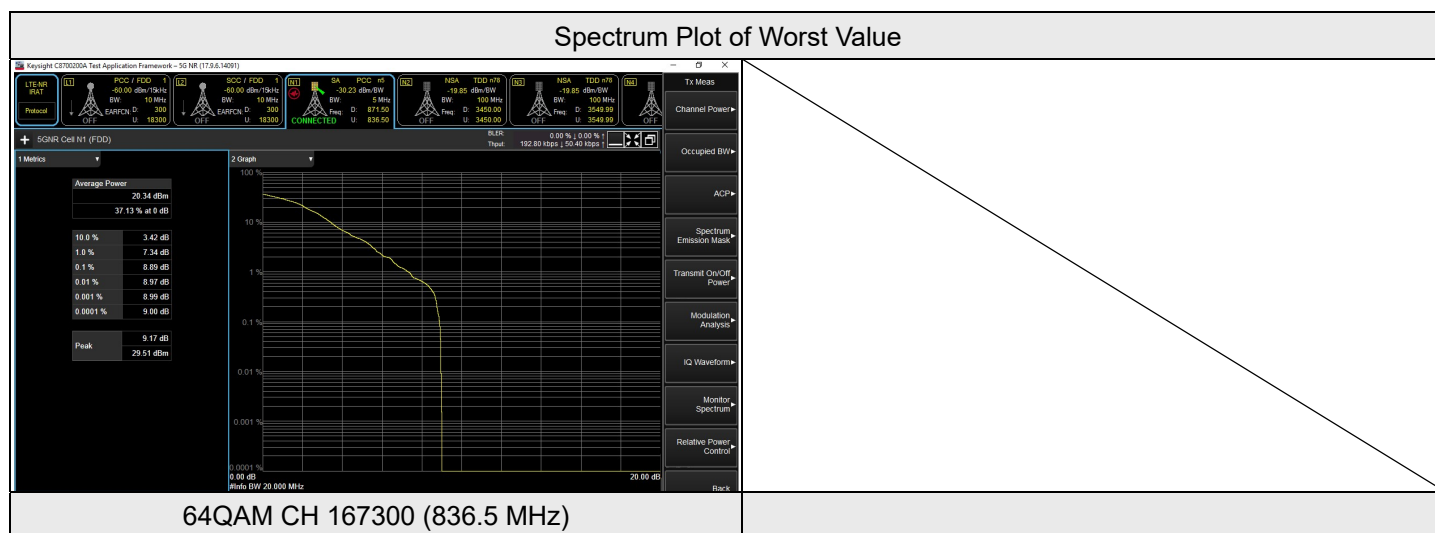
NR n2 SCS 15 kHz 20M					
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 372000	CH 376000	CH 380000
			1860 MHz	1880 MHz	1900 MHz
BPSK	1	0	4.38	4.62	3.97
QPSK	1	0	8.54	8.09	8.09
16QAM	1	0	8.71	7.61	7.54
64QAM	1	0	8.33	7.87	8.15
256QAM	1	0	6.79	8.66	8.22



7.3.2 NR n5 SCS 15 kHz

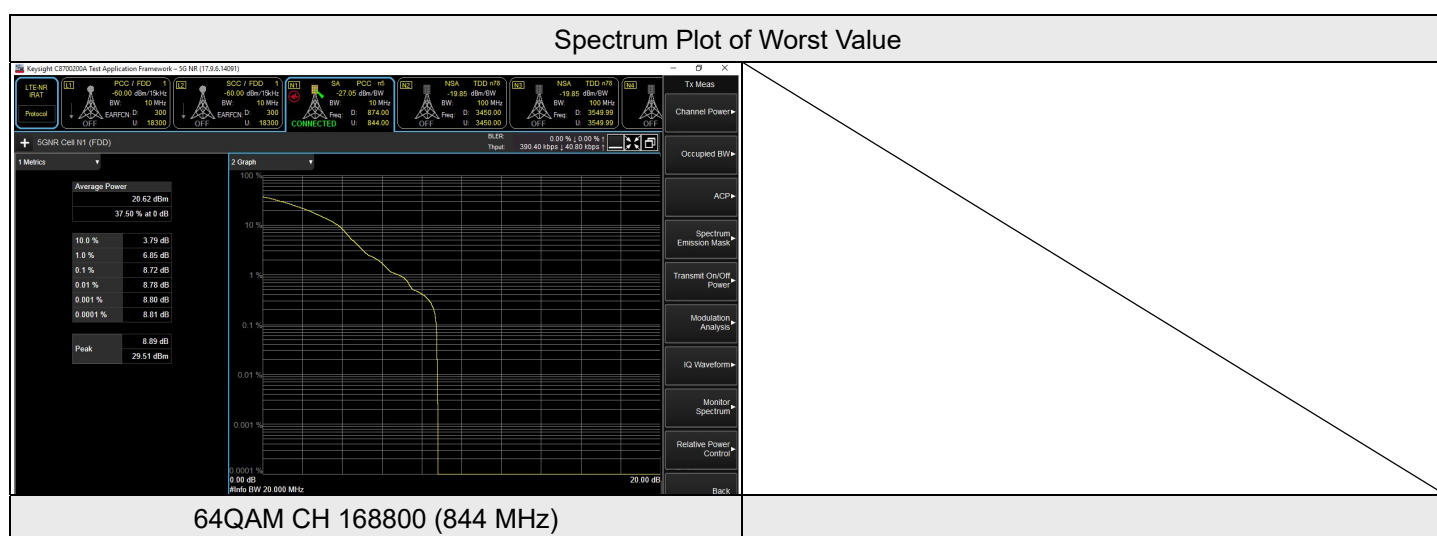
NR n5 SCS 15 kHz, Channel Bandwidth: 5 MHz

NR n5 SCS 15 kHz 5M					
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 165300	CH 167300	CH 169300
			826.5 MHz	836.5 MHz	846.5 MHz
BPSK	1	0	5.38	5.96	4.05
QPSK	1	0	7.17	7.63	6.44
16QAM	1	0	7.67	7.37	7.20
64QAM	1	0	8.77	8.89	8.19
256QAM	1	0	7.71	7.26	8.25



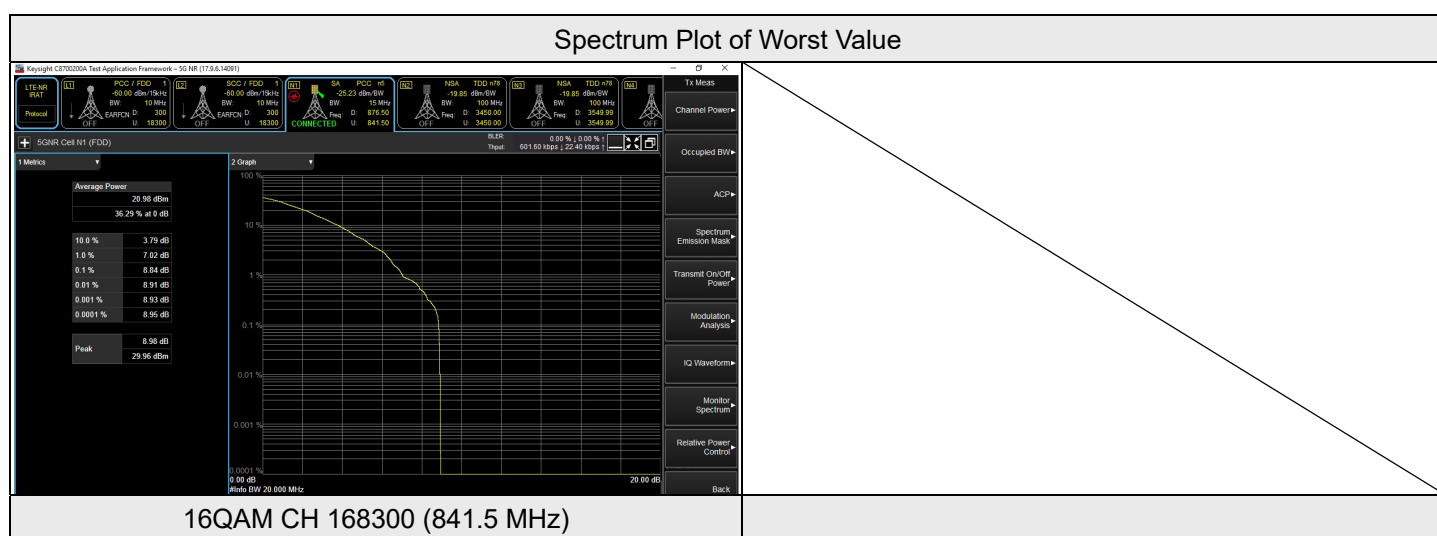
NR n5 SCS 15 kHz, Channel Bandwidth: 10 MHz

NR n5 SCS 15 kHz 10M					
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 165800	CH 167300	CH 168800
			829 MHz	836.5 MHz	844 MHz
BPSK	1	0	4.25	3.47	4.06
QPSK	1	0	7.49	7.07	6.06
16QAM	1	0	7.69	8.23	8.07
64QAM	1	0	8.25	7.88	8.72
256QAM	1	0	7.49	8.67	7.40



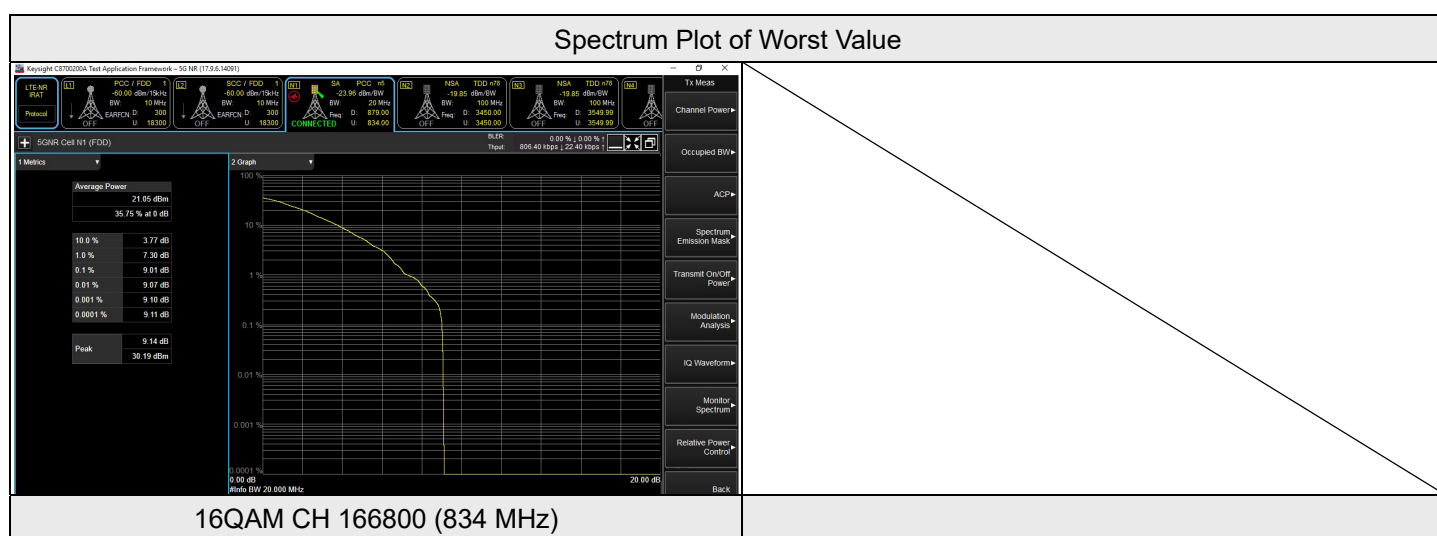
NR n5 SCS 15 kHz, Channel Bandwidth: 15 MHz

NR n5 SCS 15 kHz 15M					
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 166300	CH 167300	CH 168300
			831.5 MHz	836.5 MHz	841.5 MHz
BPSK	1	0	4.16	4.96	3.82
QPSK	1	0	5.72	6.45	7.10
16QAM	1	0	8.22	8.07	8.84
64QAM	1	0	8.74	7.20	7.78
256QAM	1	0	7.63	7.49	8.39



NR n5 SCS 15 kHz, Channel Bandwidth: 20 MHz

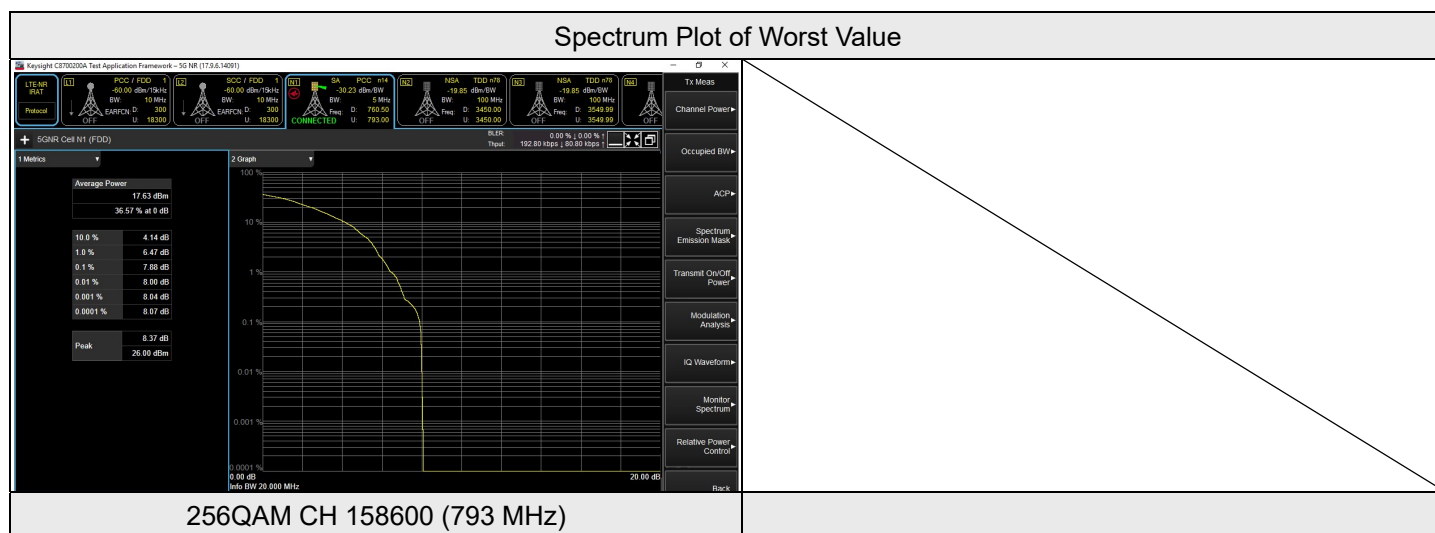
NR n5 SCS 15 kHz 20M					
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 166800	CH 167300	CH 167800
			834 MHz	836.5 MHz	839 MHz
BPSK	1	0	4.17	4.25	4.24
QPSK	1	0	7.14	7.17	6.28
16QAM	1	0	9.01	7.92	8.66
64QAM	1	0	8.17	7.47	7.82
256QAM	1	0	8.70	8.33	8.15



7.3.3 NR n14 SCS 15 kHz

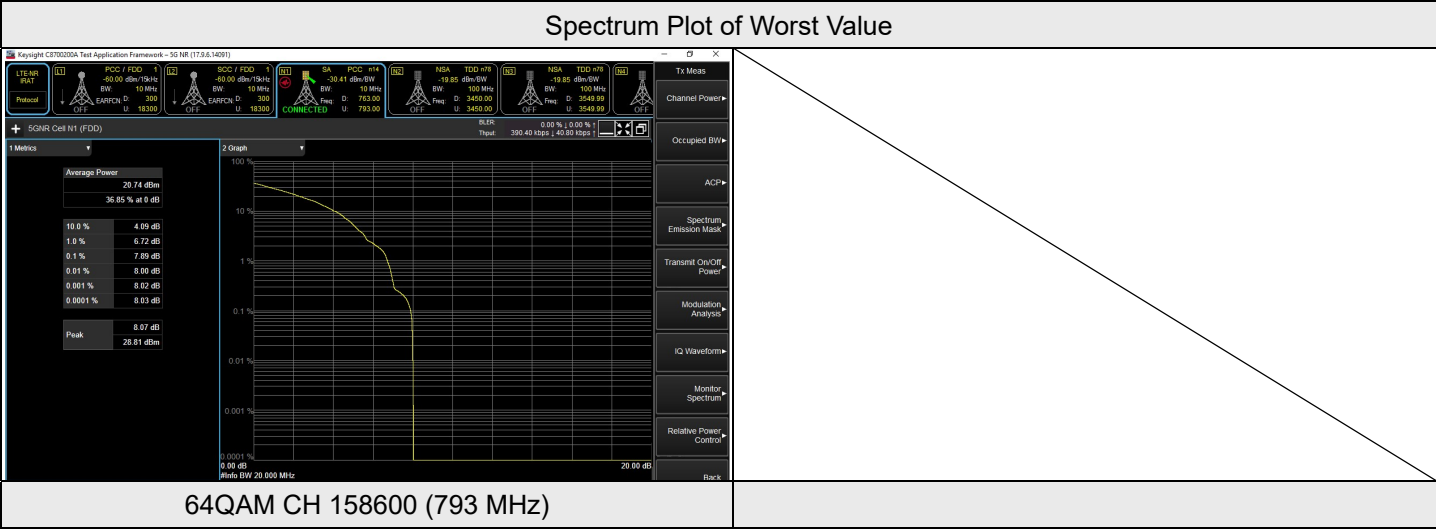
NR n14 SCS 15 kHz, Channel Bandwidth: 5 MHz

NR n14 SCS 15 kHz 5M					
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 158100	CH 158600	CH 159100
			790.5 MHz	793 MHz	795.5 MHz
BPSK	1	0	3.60	3.92	3.26
QPSK	1	0	6.50	6.30	6.98
16QAM	1	0	7.08	7.32	7.11
64QAM	1	0	6.47	7.52	6.90
256QAM	1	0	7.60	7.88	7.24



NR n14 SCS 15 kHz, Channel Bandwidth: 10 MHz

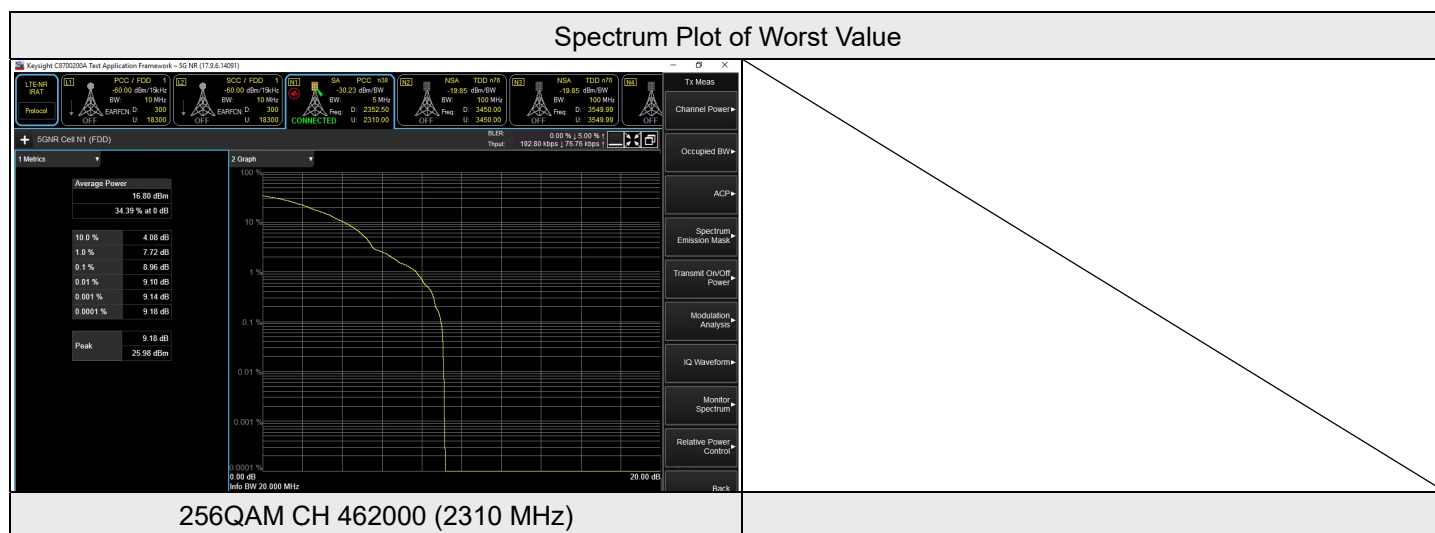
NR n14 SCS 15 kHz 10M			
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)
			CH 158600
			793 MHz
BPSK	1	0	4.10
QPSK	1	0	6.67
16QAM	1	0	6.95
64QAM	1	0	7.89
256QAM	1	0	7.79



7.3.4 NR n30 SCS 15 kHz

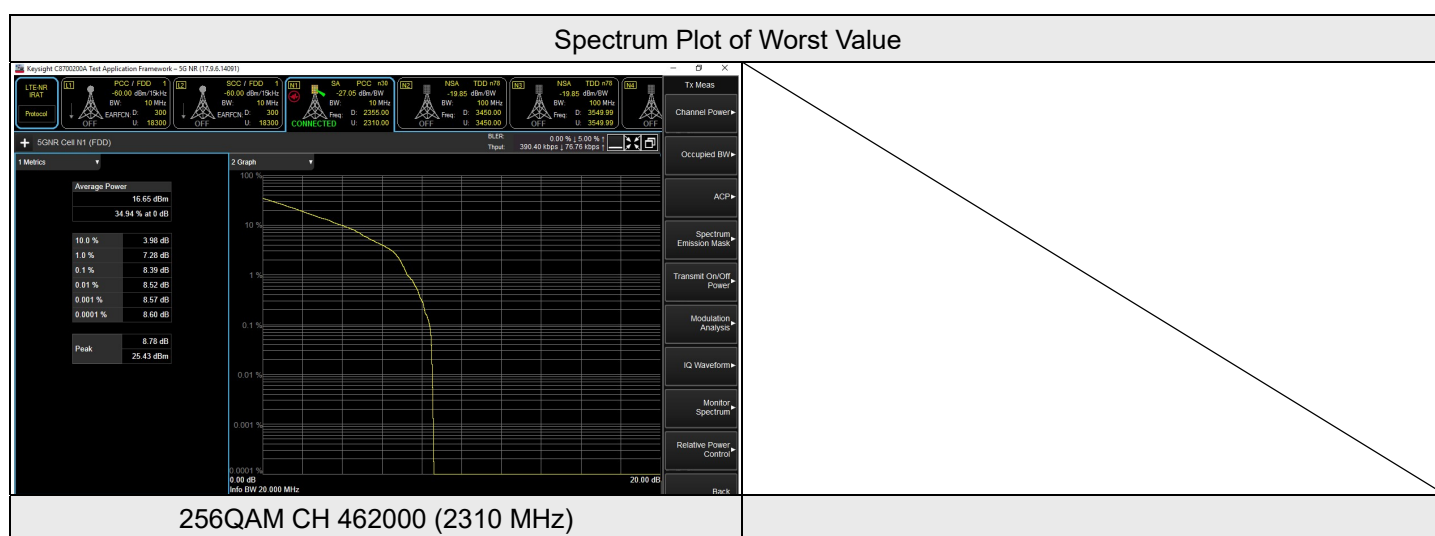
NR n30 SCS 15 kHz, Channel Bandwidth: 5 MHz

NR n30 SCS 15 kHz 5M					
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 461500	CH 462000	CH 462500
			2307.5 MHz	2310 MHz	2312.5 MHz
BPSK	1	0	4.26	3.95	4.09
QPSK	1	0	7.24	6.45	6.77
16QAM	1	0	6.99	7.55	7.50
64QAM	1	0	7.93	8.34	6.98
256QAM	1	0	8.09	8.96	8.92



NR n30 SCS 15 kHz, Channel Bandwidth: 10 MHz

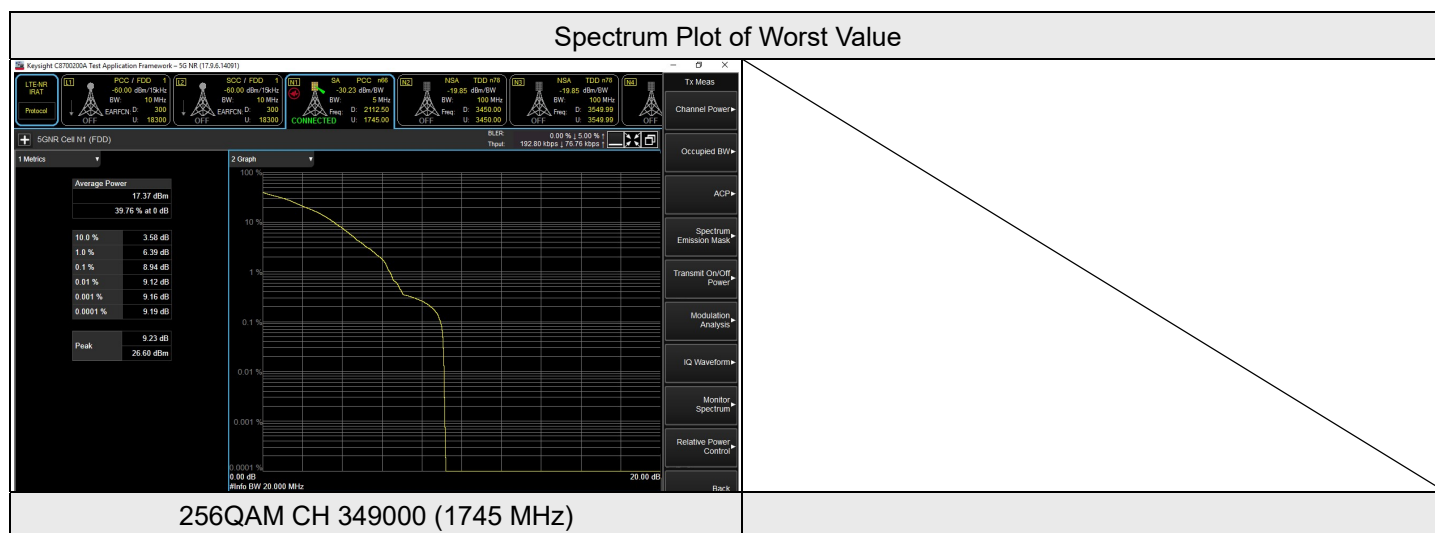
NR n30 SCS 15 kHz 10M			
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)
			CH 462000
			2310 MHz
BPSK	1	0	3.87
QPSK	1	0	8.04
16QAM	1	0	7.59
64QAM	1	0	7.12
256QAM	1	0	8.39



7.3.5 NR n66 SCS 15 kHz

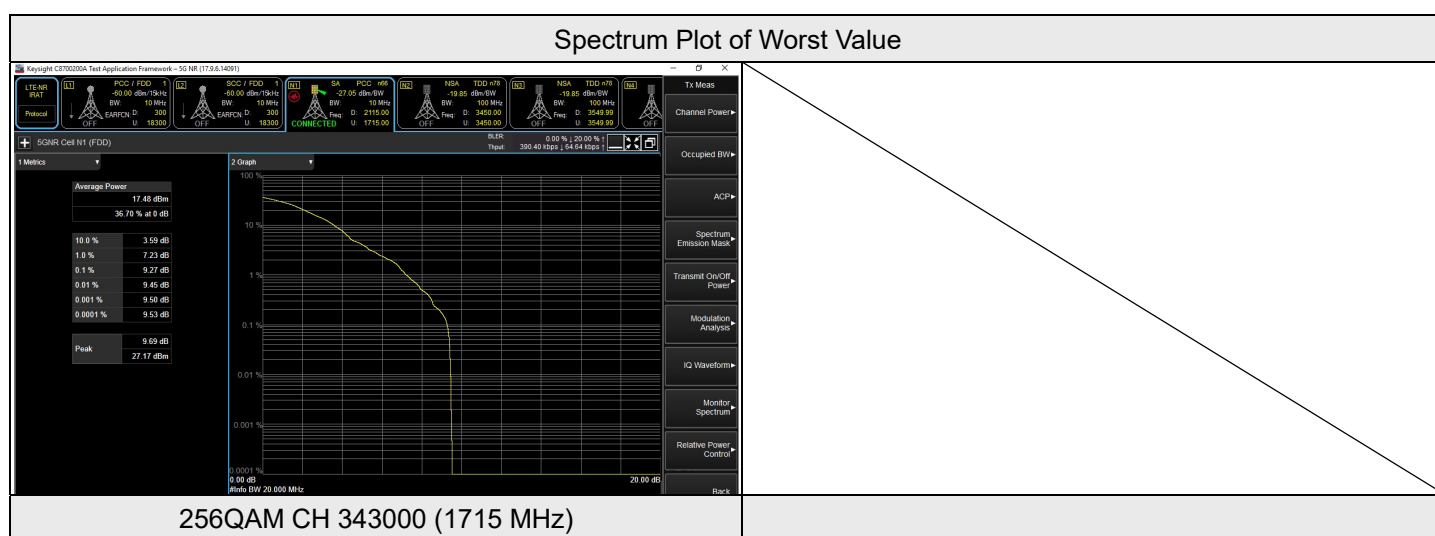
NR n66 SCS 15 kHz, Channel Bandwidth: 5 MHz

NR n66 SCS 15 kHz 5M					
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 342500	CH 349000	CH 355500
			1712.5 MHz	1745 MHz	1777.5 MHz
BPSK	1	0	3.67	4.52	4.60
QPSK	1	0	8.38	7.67	6.96
16QAM	1	0	7.96	8.43	6.94
64QAM	1	0	8.23	8.68	8.25
256QAM	1	0	8.50	8.94	8.55



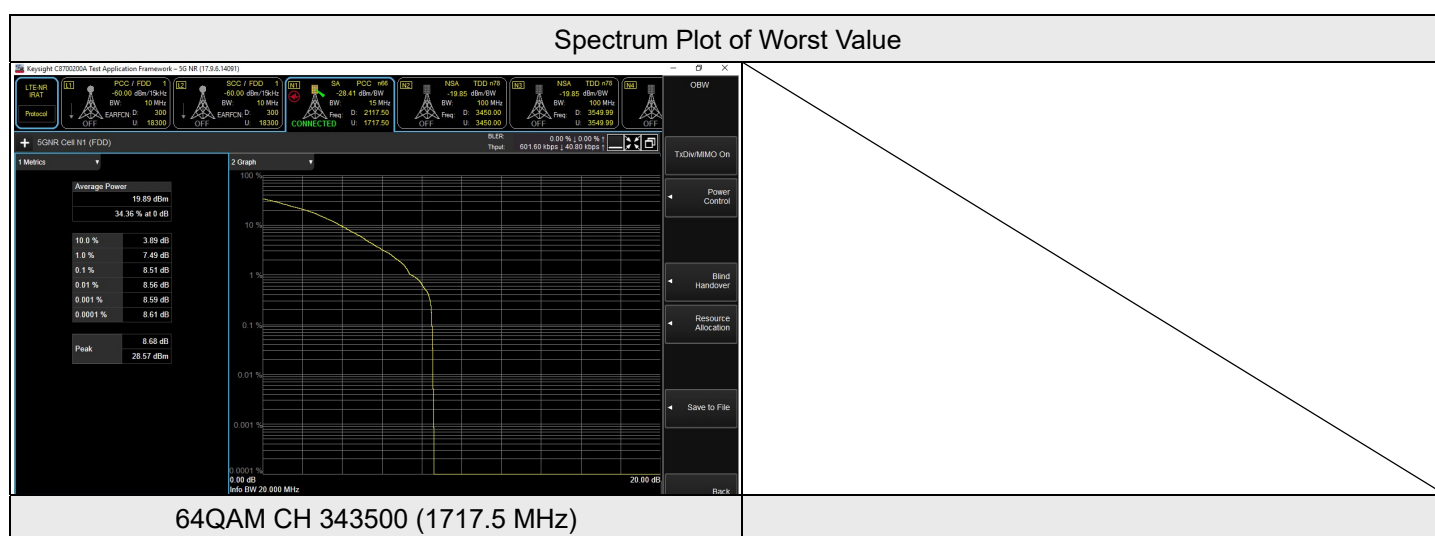
NR n66 SCS 15 kHz, Channel Bandwidth: 10 MHz

NR n66 SCS 15 kHz 10M					
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 343000	CH 349000	CH 355000
			1715 MHz	1745 MHz	1775 MHz
BPSK	1	0	4.61	3.59	3.49
QPSK	1	0	6.90	7.69	6.32
16QAM	1	0	8.00	8.04	7.91
64QAM	1	0	8.33	8.14	7.57
256QAM	1	0	9.27	8.86	8.39



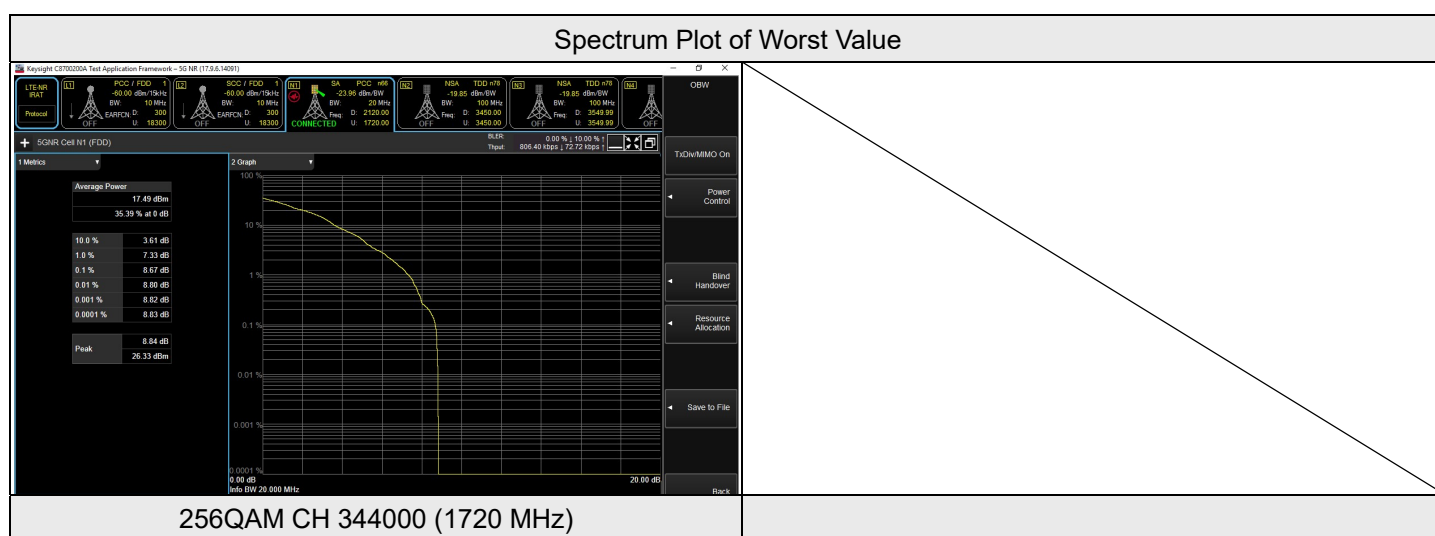
NR n66 SCS 15 kHz, Channel Bandwidth: 15 MHz

NR n66 SCS 15 kHz 15M					
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 343500	CH 349000	CH 354500
			1717.5 MHz	1745 MHz	1772.5 MHz
BPSK	1	0	3.94	4.23	4.30
QPSK	1	0	8.48	7.41	7.71
16QAM	1	0	7.29	7.24	6.62
64QAM	1	0	8.51	8.14	8.30
256QAM	1	0	7.66	8.43	8.38



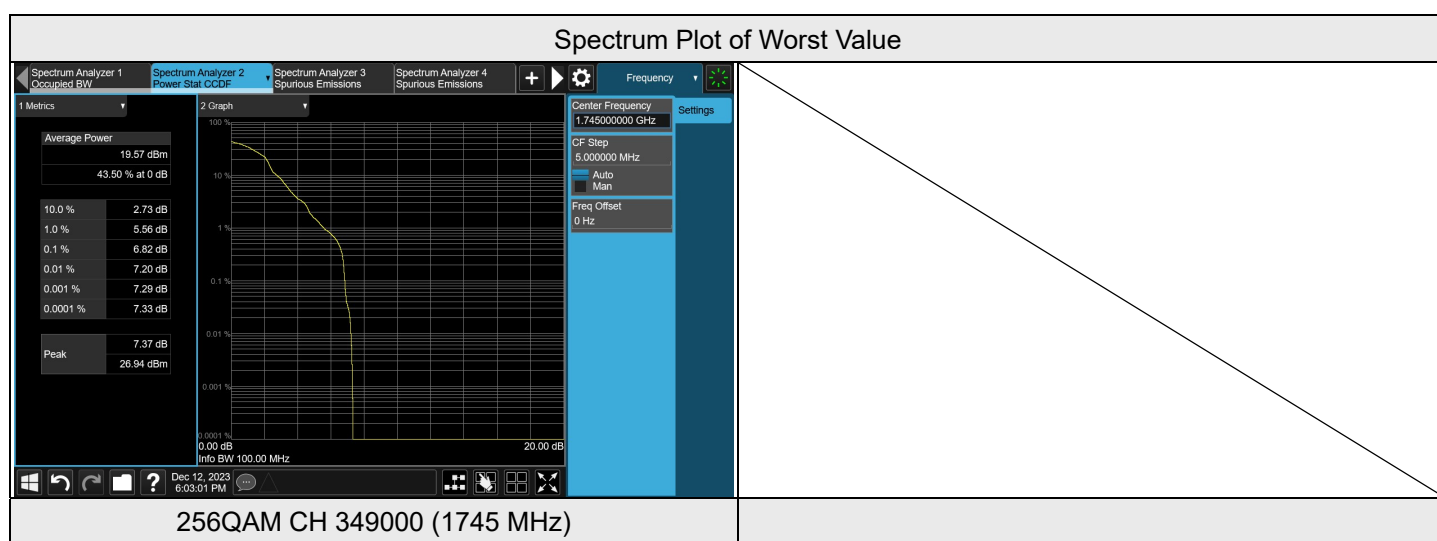
NR n66 SCS 15 kHz, Channel Bandwidth: 20 MHz

NR n66 SCS 15 kHz 20M					
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 344000	CH 349000	CH 354000
			1720 MHz	1745 MHz	1770 MHz
BPSK	1	0	4.58	3.53	4.39
QPSK	1	0	6.87	6.58	6.04
16QAM	1	0	7.13	7.59	7.16
64QAM	1	0	8.36	7.39	7.71
256QAM	1	0	8.67	8.30	8.16



NR n66 SCS 15 kHz, Channel Bandwidth: 40 MHz

NR n66 SCS 15 kHz 40M					
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 346000	CH 349000	CH 352000
			1730 MHz	1745 MHz	1760 MHz
BPSK	1	0	4.13	4.18	4.05
QPSK	1	0	5.44	5.52	5.25
16QAM	1	0	6.37	5.66	5.97
64QAM	1	0	6.33	5.79	5.95
256QAM	1	0	6.75	6.82	6.59

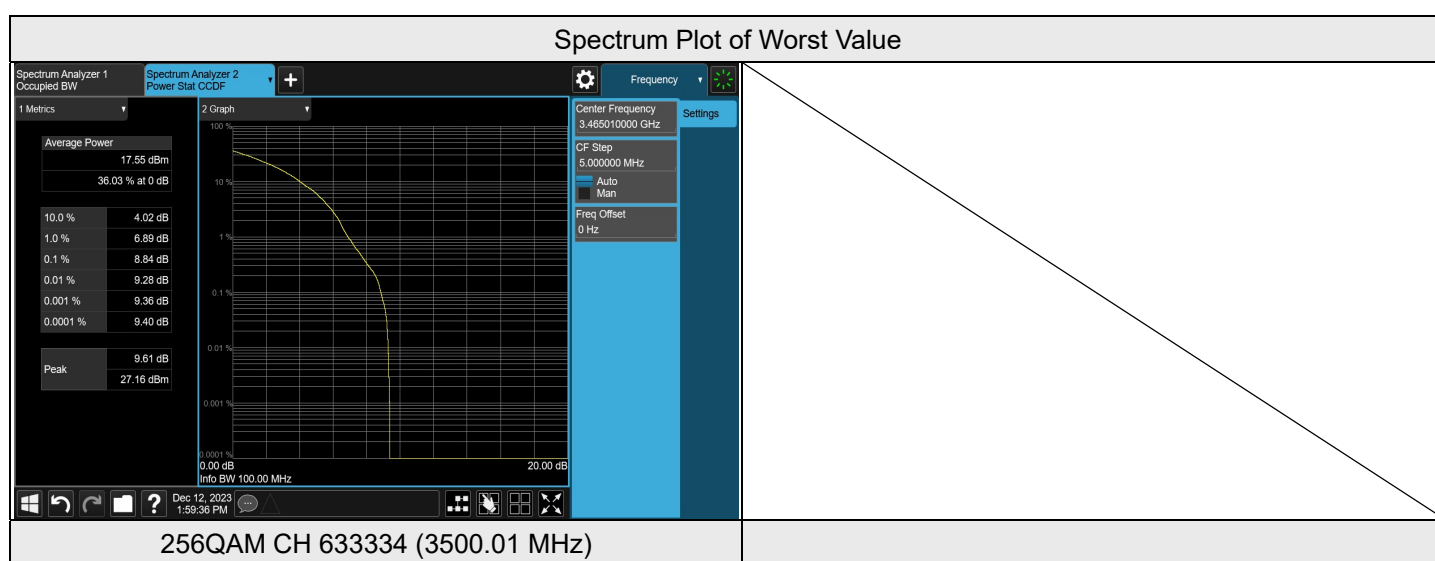


7.3.6 NR n77 (3450-3550 MHz) SCS 30 kHz

NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 10 MHz

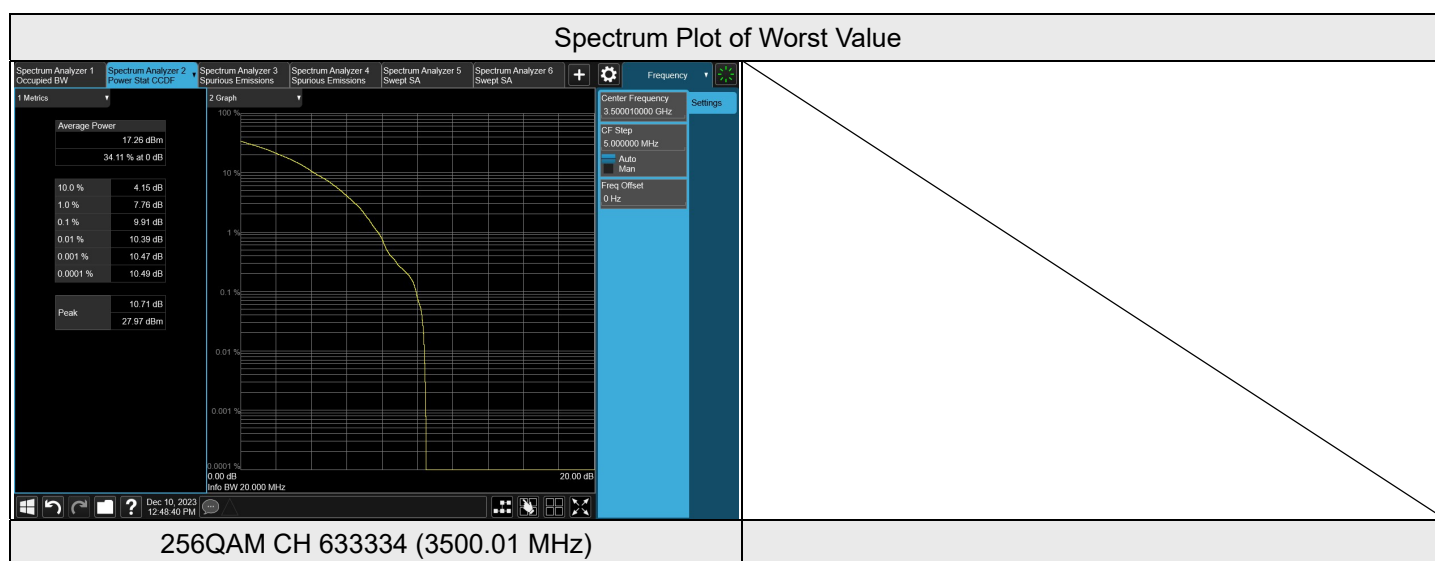
Chain 0

NR n77 SCS 30 kHz (3450-3550 MHz) 10M					
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 630334	CH 633334	CH 636332
			3455.01 MHz	3500.01 MHz	3544.98 MHz
QPSK	1	0	5.68	5.90	5.94
16QAM	1	0	6.21	6.58	6.64
64QAM	1	0	7.92	7.90	8.11
256QAM	1	0	8.56	8.84	7.77



Chain 1

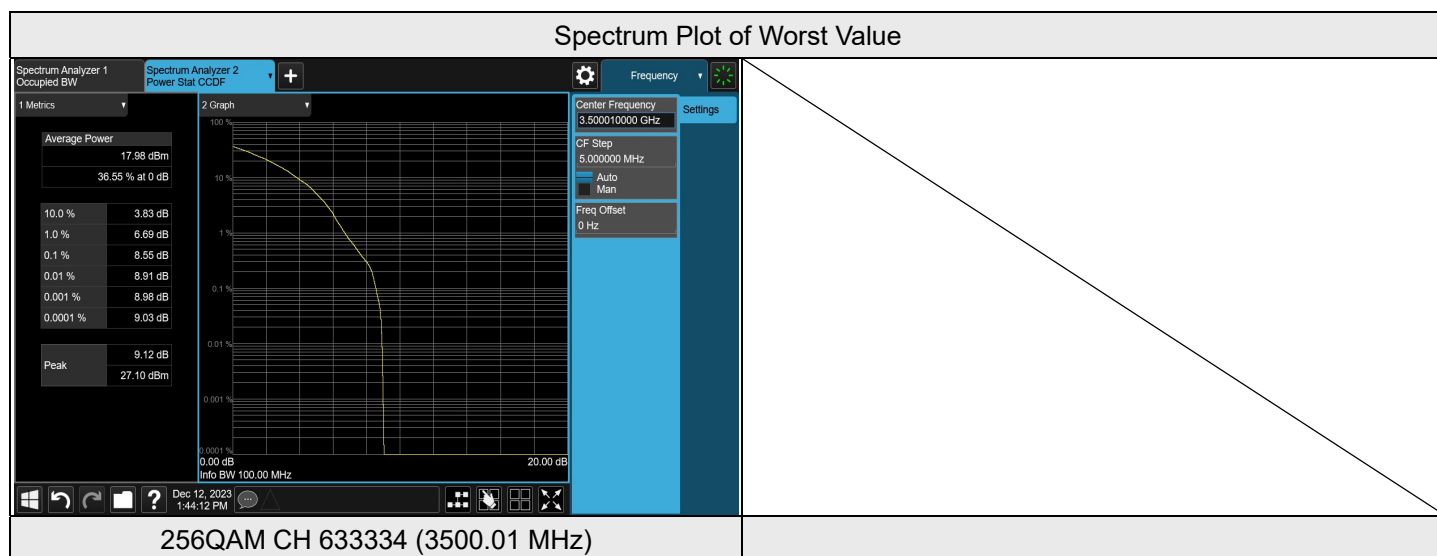
NR n77 SCS 30 kHz (3450-3550 MHz) 10M					
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 630334	CH 633334	CH 636332
			3455.01 MHz	3500.01 MHz	3544.98 MHz
QPSK	1	0	6.04	6.71	6.30
16QAM	1	0	6.66	6.70	6.60
64QAM	1	0	7.41	7.66	7.47
256QAM	1	0	9.46	9.91	9.28



NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 15 MHz

Chain 0

NR n77 SCS 30 kHz (3450-3550 MHz) 15M					
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 630500	CH 633334	CH 636166
			3457.5 MHz	3500.01 MHz	3542.49 MHz
QPSK	1	0	5.67	5.75	6.09
16QAM	1	0	6.21	6.48	6.83
64QAM	1	0	7.88	7.54	7.93
256QAM	1	0	8.50	8.55	8.06



Chain 1

NR n77 SCS 30 kHz (3450-3550 MHz) 15M					
Modulation	RB Size	RB Offset	Peak To Average Ratio (dB)		
			CH 630500	CH 633334	CH 636166
			3457.5 MHz	3500.01 MHz	3542.49 MHz
QPSK	1	0	6.38	6.12	6.56
16QAM	1	0	6.73	6.46	6.41
64QAM	1	0	7.74	7.46	7.18
256QAM	1	0	9.55	9.26	9.05

