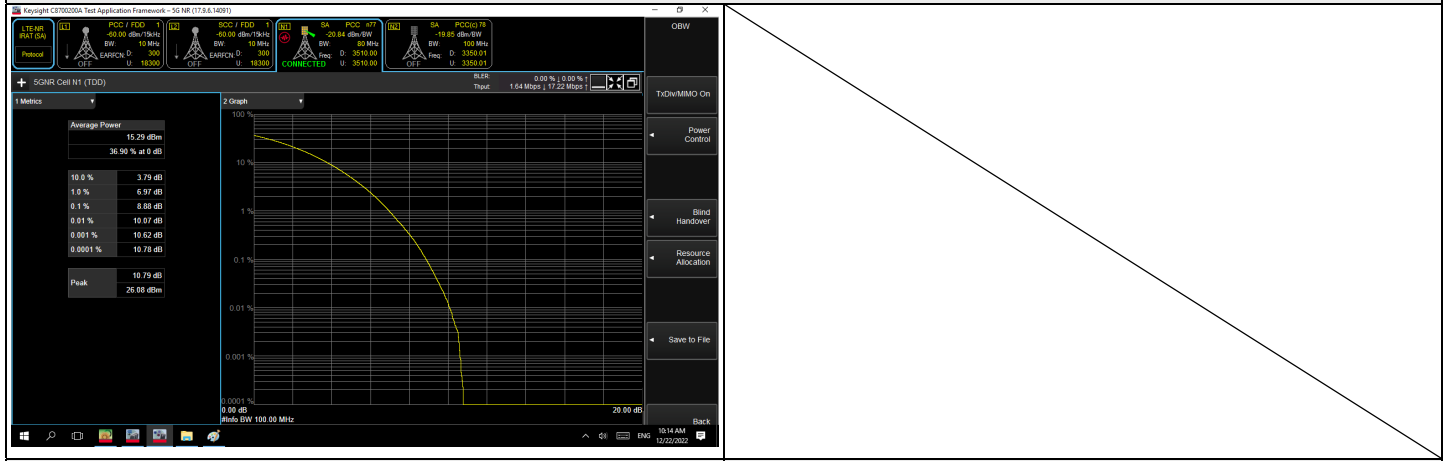


**NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 80 MHz**

Channel	Frequency (MHz)	Peak to Average Ratio (dB)					Limit
		BPSK	QPSK	16QAM	64QAM	256QAM	
632668	3490.02	4.50	6.92	6.97	7.47	8.81	13.00
633334	3500.01	4.55	6.94	6.94	7.46	8.87	
634000	3510	4.59	6.98	6.98	7.49	8.88	

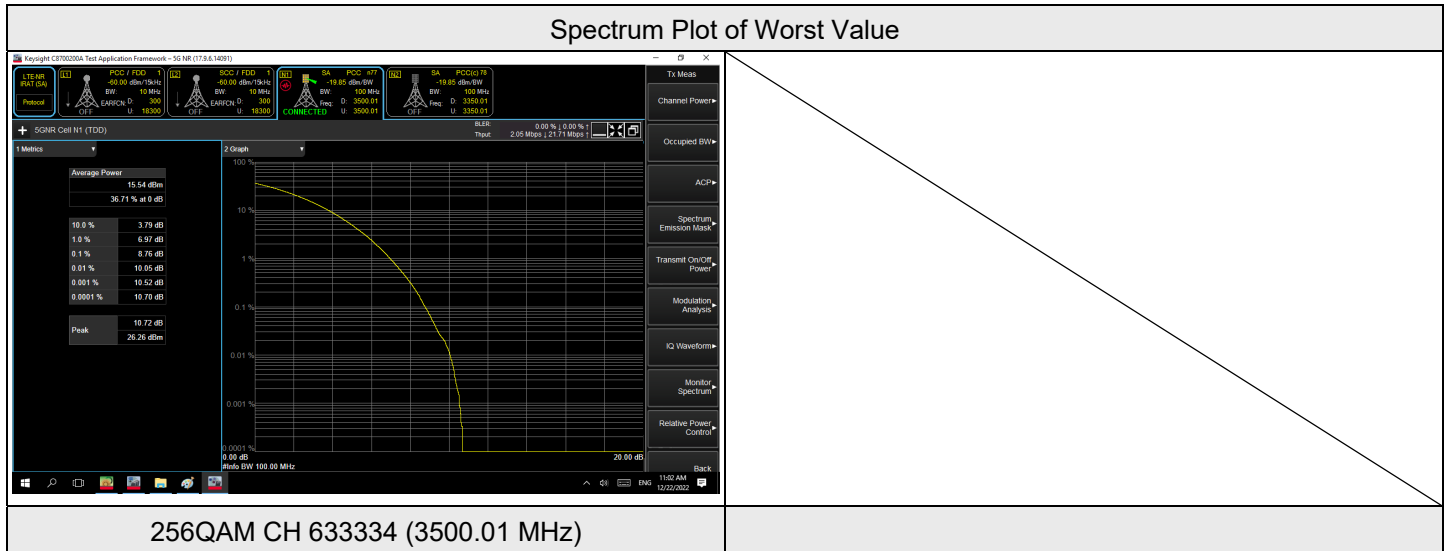
**Spectrum Plot of Worst Value**



**256QAM CH 634000 (3510 MHz)**

NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 100 MHz

Channel	Frequency (MHz)	Peak to Average Ratio (dB)					Limit
		BPSK	QPSK	16QAM	64QAM	256QAM	
633334	3500.01	4.45	7.03	7.04	7.52	8.76	13.00

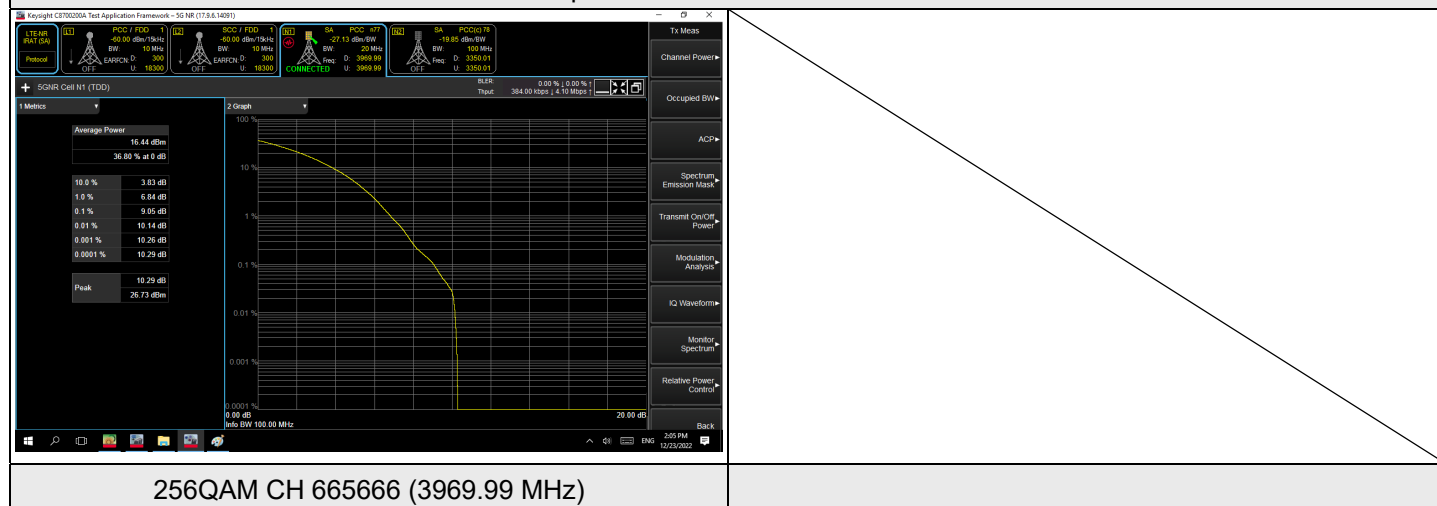


7.3.9 NR n77 (3700-3980 MHz) SCS 30 kHz

NR n77 (3700-3980 MHz) SCS 30 kHz, Channel Bandwidth: 20 MHz

Channel	Frequency (MHz)	Peak to Average Ratio (dB)					Limit
		BPSK	QPSK	16QAM	64QAM	256QAM	
647334	3710.01	4.25	6.74	6.72	7.19	8.81	13.00
656000	3840	4.24	6.82	6.83	7.23	8.84	
665666	3969.99	4.36	6.83	6.84	7.30	9.05	

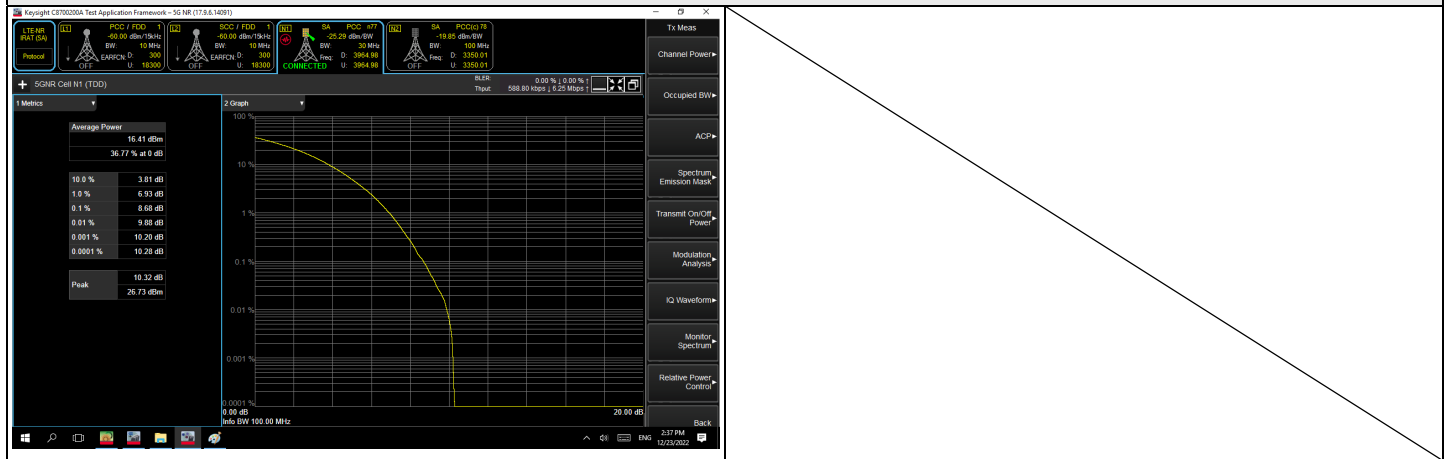
Spectrum Plot of Worst Value



NR n77 (3700-3980 MHz) SCS 30 kHz, Channel Bandwidth: 30 MHz

Channel	Frequency (MHz)	Peak to Average Ratio (dB)					Limit
		BPSK	QPSK	16QAM	64QAM	256QAM	
647668	3715.02	4.15	6.88	6.84	7.35	8.64	13.00
656000	3840	4.15	6.93	6.90	7.34	8.53	
664332	3964.98	4.34	6.98	6.87	7.45	8.68	

Spectrum Plot of Worst Value

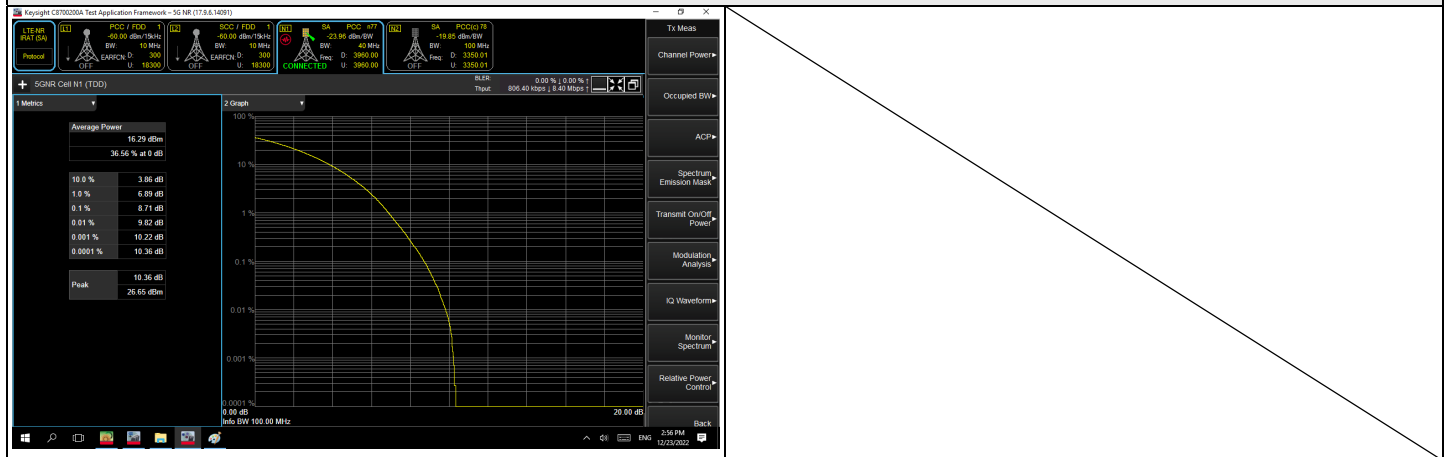


256QAM CH 664332 (3964.98 MHz)

**NR n77 (3700-3980 MHz) SCS 30 kHz, Channel Bandwidth: 40 MHz**

Channel	Frequency (MHz)	Peak to Average Ratio (dB)					Limit
		BPSK	QPSK	16QAM	64QAM	256QAM	
648000	3720	4.29	6.84	6.94	7.36	8.69	13.00
656000	3840	4.28	6.88	6.95	7.41	8.66	
664000	3960	4.29	6.85	6.94	7.45	8.71	

**Spectrum Plot of Worst Value**

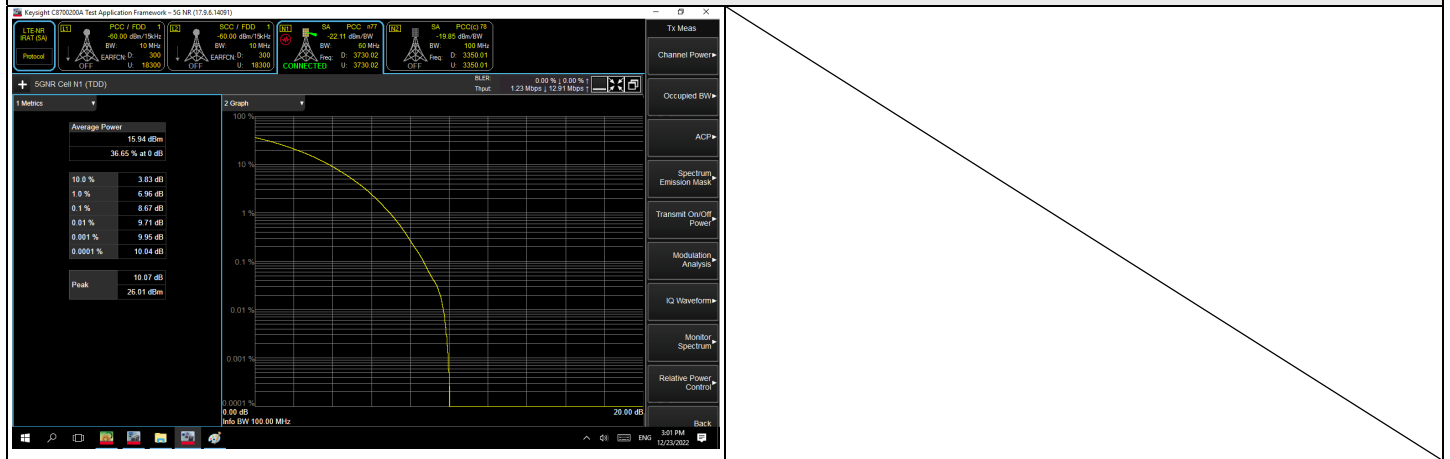


**256QAM CH 664000 (3960 MHz)**

**NR n77 (3700-3980 MHz) SCS 30 kHz, Channel Bandwidth: 60 MHz**

Channel	Frequency (MHz)	Peak to Average Ratio (dB)					Limit
		BPSK	QPSK	16QAM	64QAM	256QAM	
648668	3730.02	4.23	6.90	6.88	7.39	8.67	13.00
656000	3840	4.23	6.91	6.89	7.37	8.60	
663332	3949.98	4.30	6.88	6.90	7.38	8.56	

**Spectrum Plot of Worst Value**

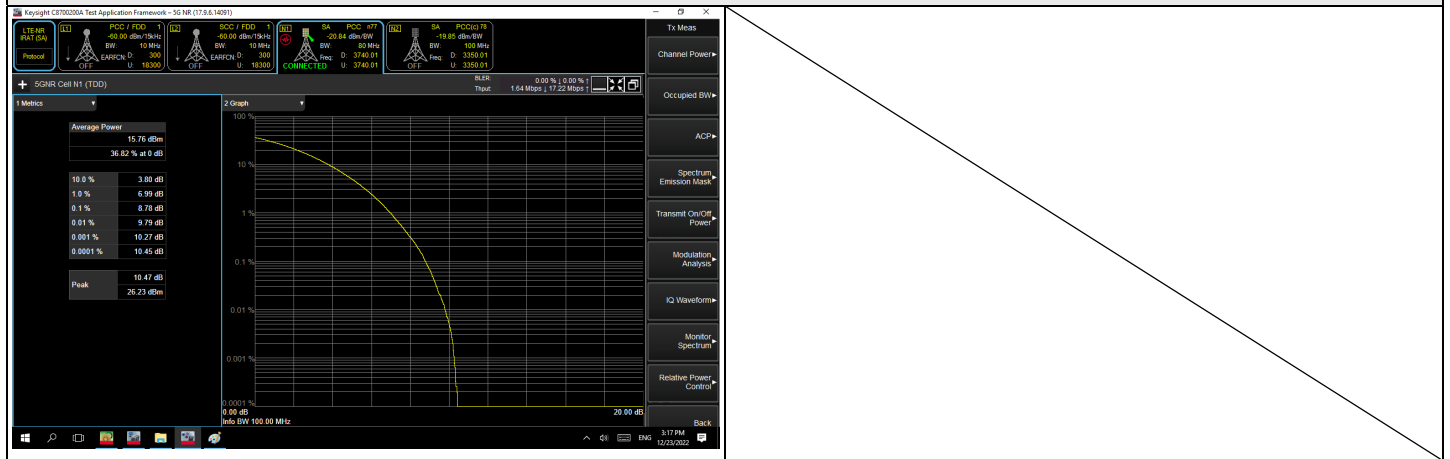


256QAM CH 648668 (3730.02 MHz)

**NR n77 (3700-3980 MHz) SCS 30 kHz, Channel Bandwidth: 80 MHz**

Channel	Frequency (MHz)	Peak to Average Ratio (dB)					Limit
		BPSK	QPSK	16QAM	64QAM	256QAM	
649334	3740.01	4.41	6.90	6.91	7.46	8.78	13.00
656000	3840	4.38	6.85	6.86	7.43	8.69	
662666	3939.99	4.50	6.89	6.88	7.45	8.63	

**Spectrum Plot of Worst Value**

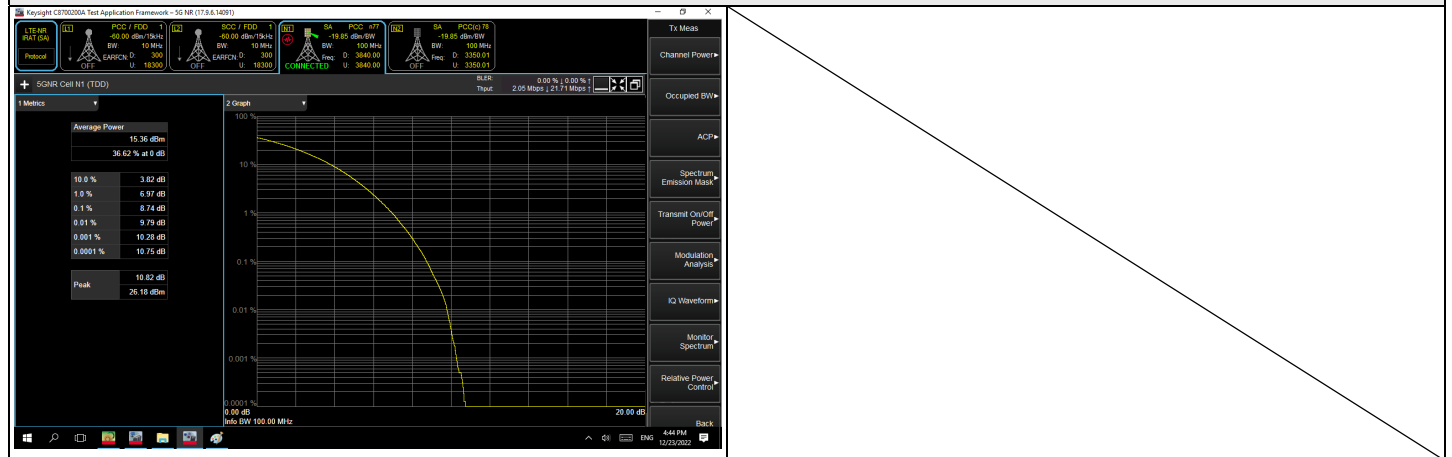


256QAM CH 649334 (3740.01 MHz)

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

Channel	Frequency (MHz)	Peak to Average Ratio (dB)					Limit
		BPSK	QPSK	16QAM	64QAM	256QAM	
650000	3750	4.48	7.00	6.99	7.39	8.73	13.00
656000	3840	4.42	7.00	6.97	7.47	8.74	
662000	3930	4.46	7.00	6.99	7.47	8.71	

**Spectrum Plot of Worst Value**



**256QAM CH 656000 (3840 MHz)**



## 7.4 Bandwidth

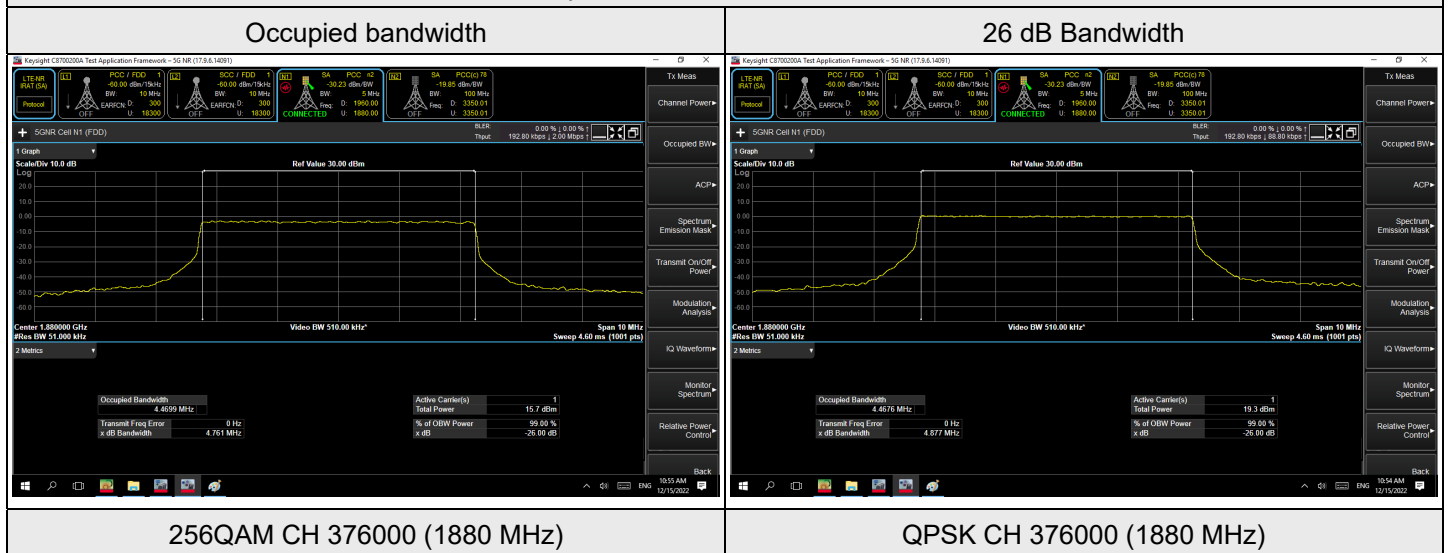
Input Power:	3.87 Vdc	Environmental Conditions:	21°C, 70% RH	Tested By:	James Yang
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### 7.4.1 NR n2 SCS 15 kHz

#### NR n2 SCS 15 kHz, Channel Bandwidth: 5 MHz

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)					26 dB Bandwidth (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
370500	1852.5	4.47	4.47	4.47	4.47	4.47	4.75	4.75	4.86	4.74	4.75
376000	1880	4.47	4.47	4.47	4.47	4.47	4.84	4.88	4.84	4.80	4.76
381500	1907.5	4.47	4.47	4.47	4.47	4.47	4.84	4.82	4.80	4.79	4.77

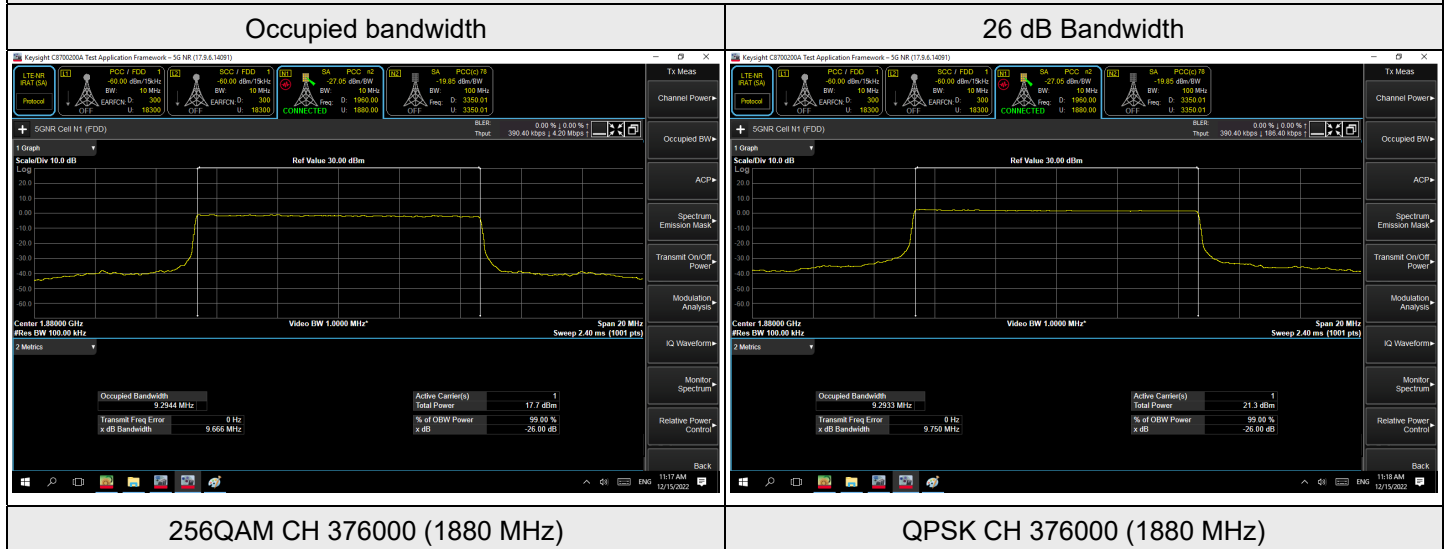
### Spectrum Plot of Worst Value



NR n2 SCS 15 kHz, Channel Bandwidth: 10 MHz

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)					26 dB Bandwidth (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
371000	1855	9.20	9.28	9.28	9.28	9.29	9.30	9.69	9.65	9.72	9.68
376000	1880	9.21	9.29	9.29	9.29	9.29	9.33	9.75	9.65	9.70	9.67
381000	1905	9.21	9.29	9.29	9.29	9.29	9.40	9.74	9.66	9.73	9.68

Spectrum Plot of Worst Value

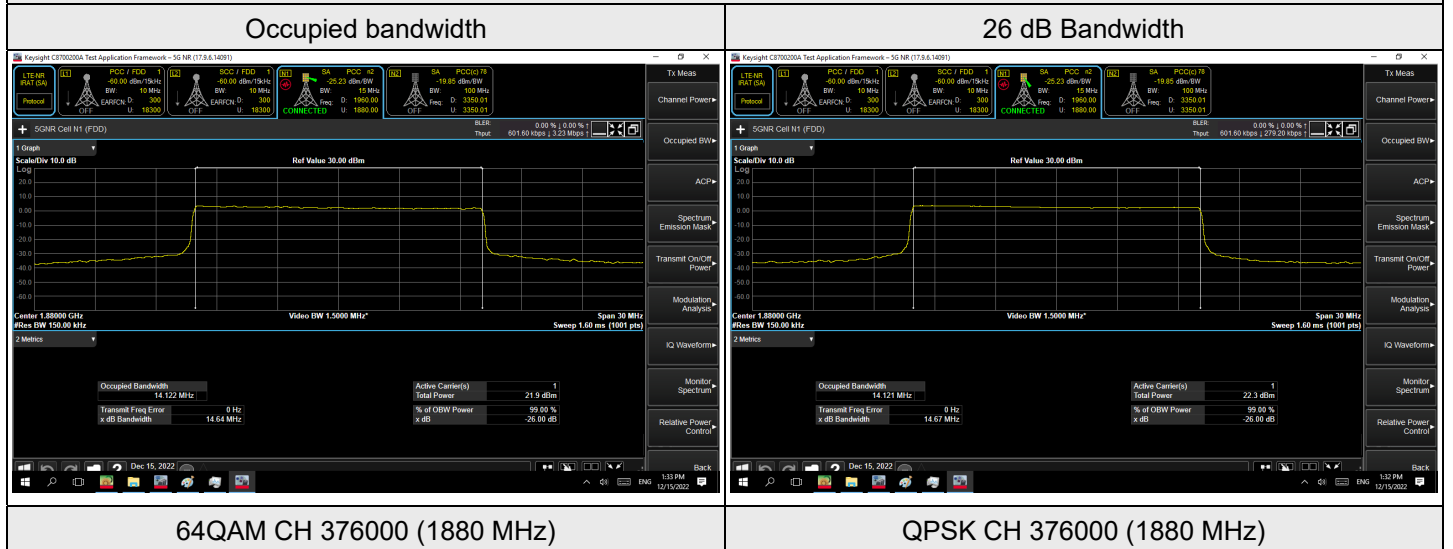




NR n2 SCS 15 kHz, Channel Bandwidth: 15 MHz

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)					26 dB Bandwidth (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
371500	1857.5	13.99	14.11	14.11	14.12	14.12	13.92	14.65	14.65	14.66	14.63
376000	1880	14.06	14.12	14.12	14.12	14.12	13.95	14.67	14.64	14.64	14.60
380500	1902.5	14.00	14.11	14.11	14.11	14.11	13.91	14.62	14.65	14.63	14.61

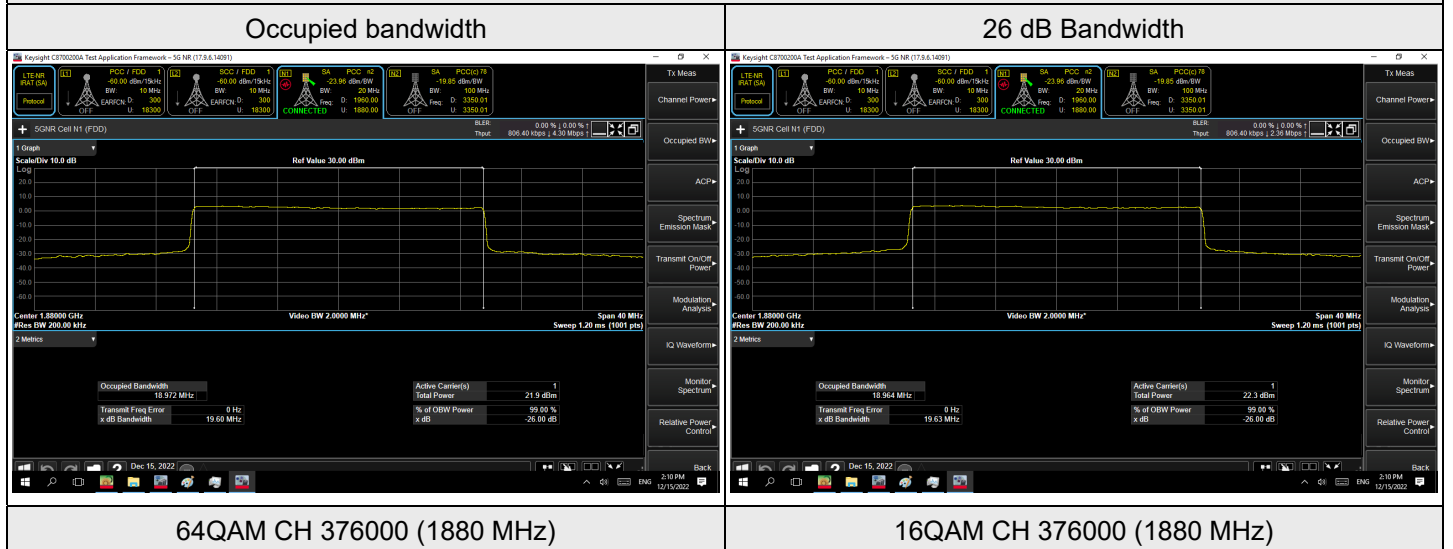
Spectrum Plot of Worst Value



NR n2 SCS 15 kHz, Channel Bandwidth: 20 MHz

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)					26 dB Bandwidth (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
372000	1860	18.75	18.96	18.92	18.97	18.97	18.53	19.59	19.61	19.61	19.58
376000	1880	18.83	18.97	18.96	18.97	18.97	18.53	19.62	19.63	19.60	19.58
380000	1900	18.68	18.90	18.90	18.90	18.90	18.80	19.60	19.59	19.57	19.57

Spectrum Plot of Worst Value

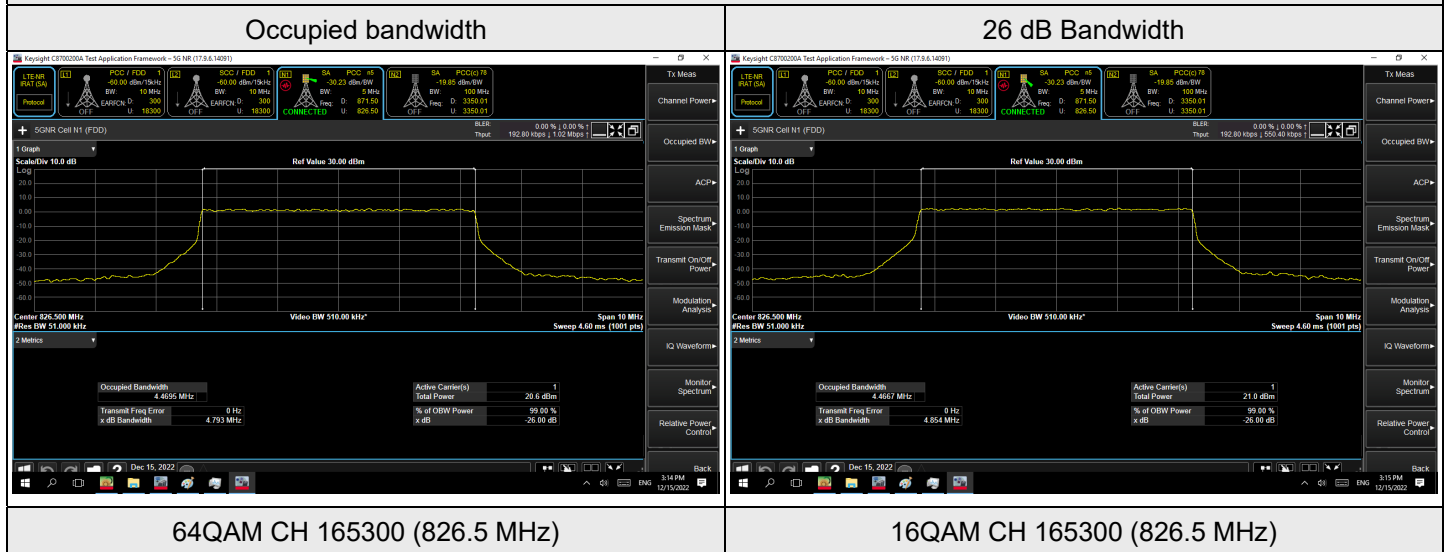


7.4.2 NR n5 SCS 15 kHz

NR n5 SCS 15 kHz, Channel Bandwidth: 5 MHz

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)					26 dB Bandwidth (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
165300	826.5	4.47	4.47	4.47	4.47	4.47	4.81	4.84	4.85	4.79	4.76
167300	836.5	4.47	4.47	4.47	4.47	4.47	4.77	4.81	4.80	4.79	4.75
169300	846.5	4.47	4.47	4.47	4.47	4.47	4.81	4.78	4.83	4.75	4.75

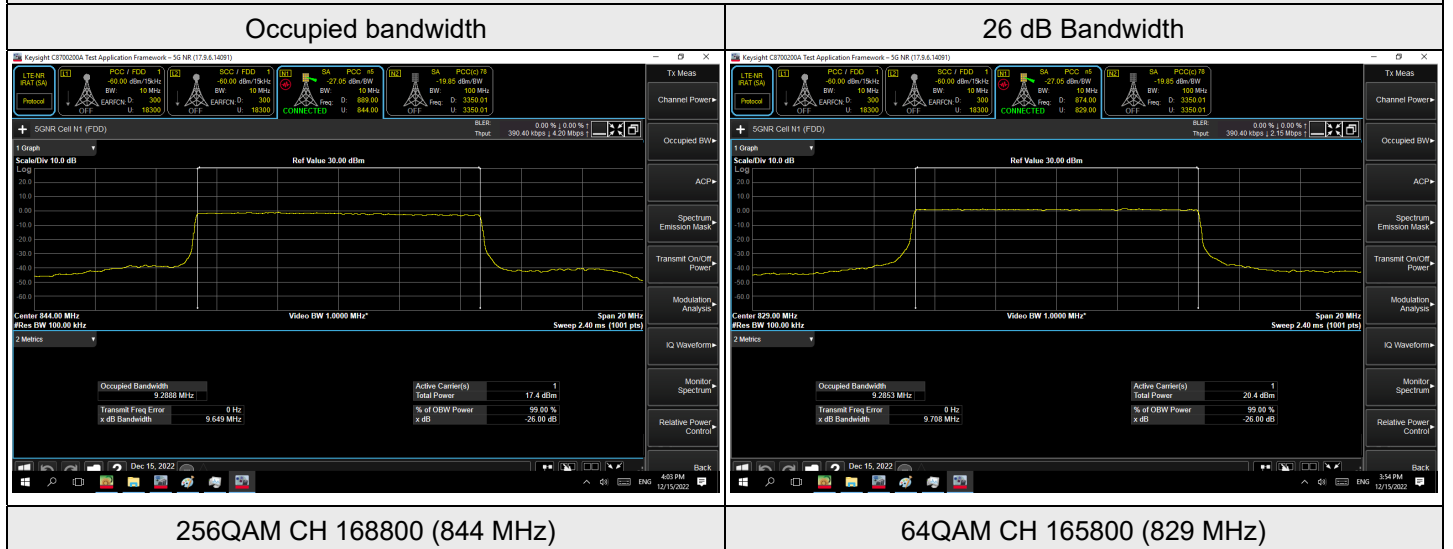
Spectrum Plot of Worst Value



NR n5 SCS 15 kHz, Channel Bandwidth: 10 MHz

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)					26 dB Bandwidth (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
165800	829	9.18	9.29	9.28	9.29	9.29	9.31	9.70	9.66	9.71	9.66
167300	836.5	9.18	9.29	9.28	9.28	9.29	9.32	9.70	9.64	9.68	9.65
168800	844	9.20	9.29	9.28	9.28	9.29	9.31	9.70	9.63	9.68	9.65

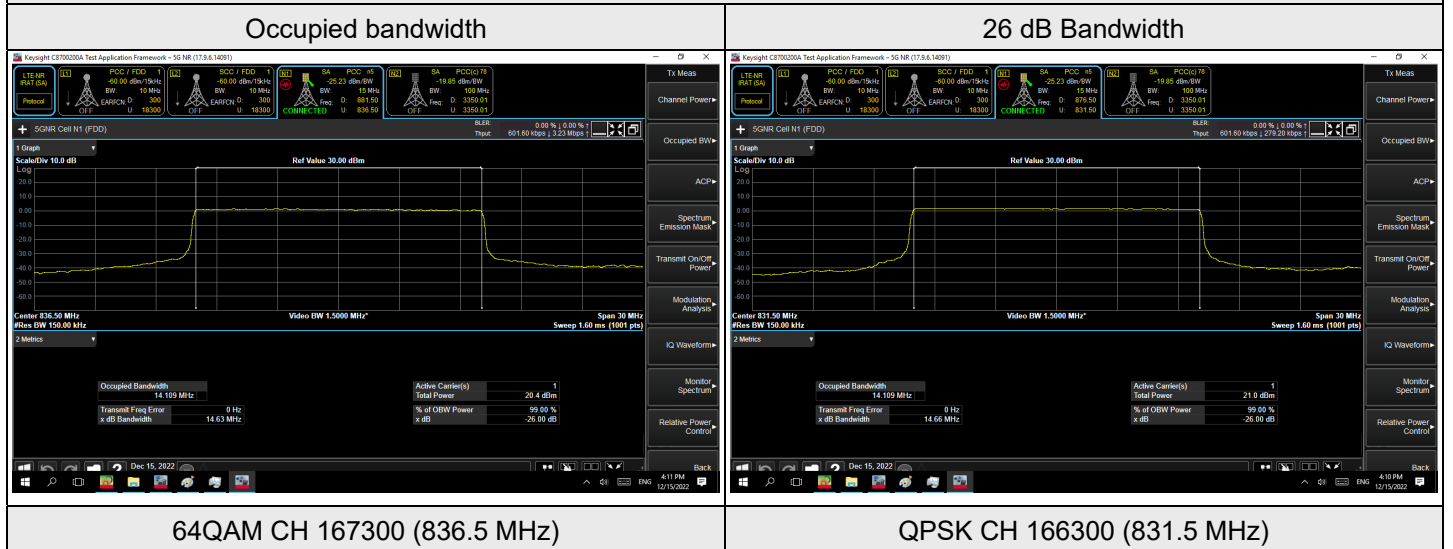
Spectrum Plot of Worst Value



**NR n5 SCS 15 kHz, Channel Bandwidth: 15 MHz**

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)					26 dB Bandwidth (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
166300	831.5	14.01	14.11	14.10	14.11	14.11	13.91	14.66	14.65	14.62	14.61
167300	836.5	14.00	14.11	14.10	14.11	14.11	13.89	14.63	14.63	14.63	14.60
168300	841.5	14.00	14.11	14.07	14.11	14.11	13.91	14.62	14.61	14.64	14.61

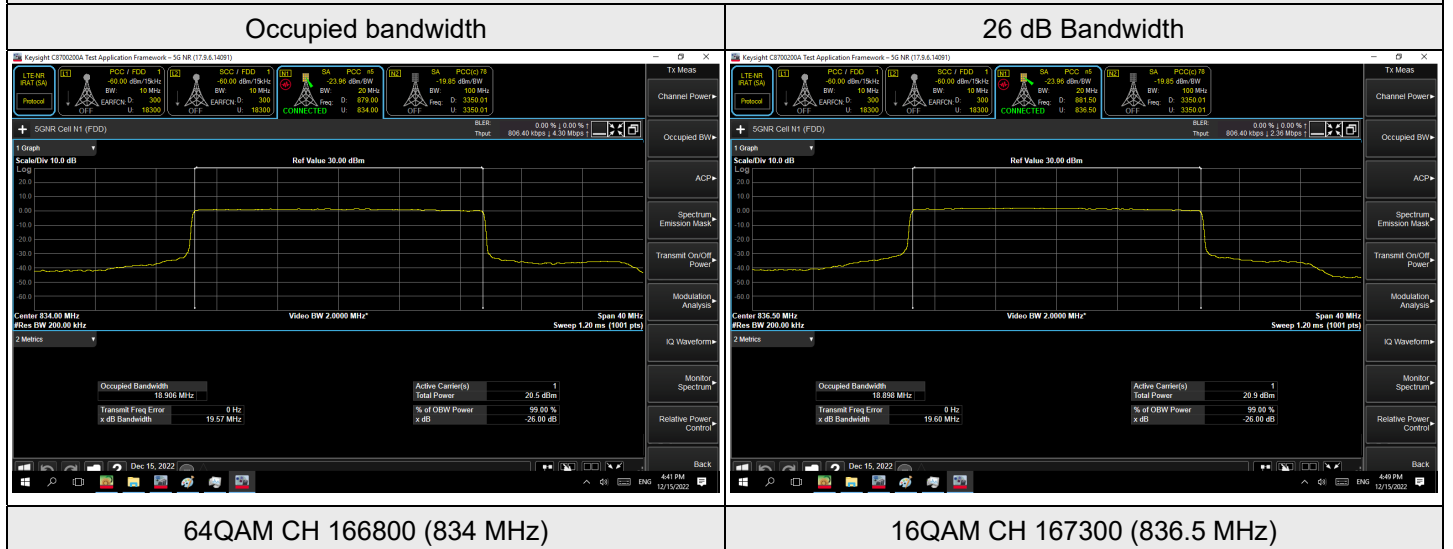
**Spectrum Plot of Worst Value**



**NR n5 SCS 15 kHz, Channel Bandwidth: 20 MHz**

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)					26 dB Bandwidth (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
166800	834	18.75	18.90	18.90	18.91	18.90	18.48	19.58	19.58	19.57	19.56
167300	836.5	18.76	18.90	18.90	18.90	18.90	18.49	19.59	19.60	19.57	19.57
167800	839	18.75	18.90	18.90	18.90	18.90	18.48	19.57	19.57	19.55	19.55

**Spectrum Plot of Worst Value**



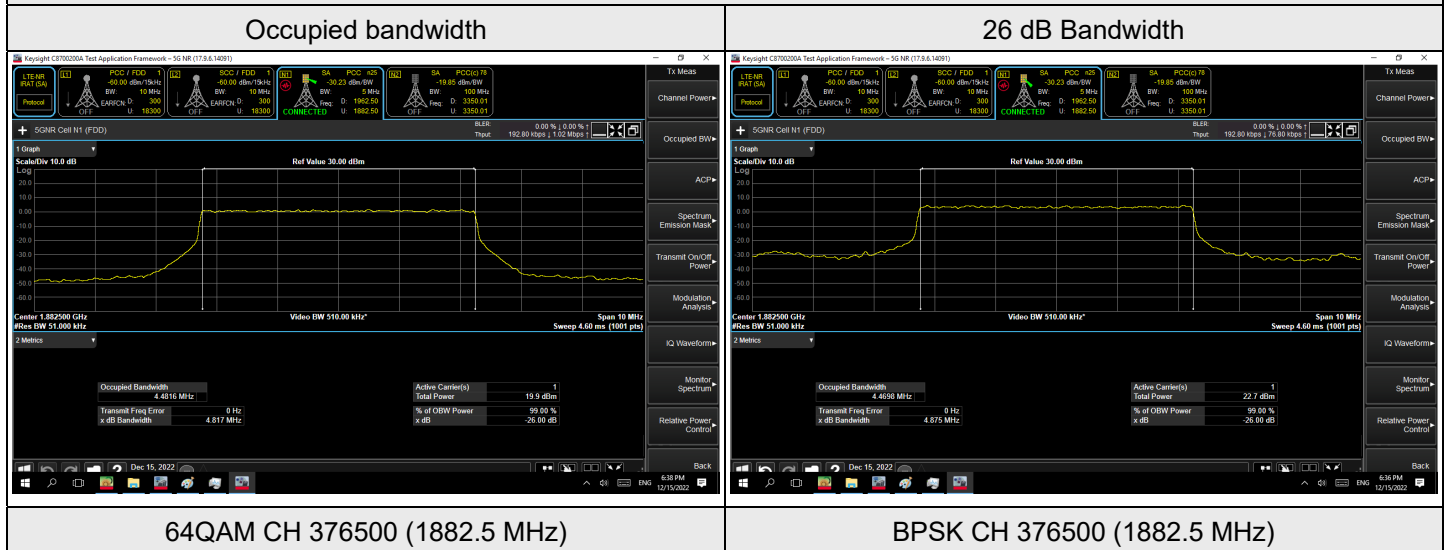


7.4.3 NR n25 SCS 15 kHz

NR n25 SCS 15 kHz, Channel Bandwidth: 5 MHz

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)					26 dB Bandwidth (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
370500	1852.5	4.47	4.47	4.47	4.47	4.48	4.73	4.78	4.84	4.73	4.77
376500	1882.5	4.47	4.47	4.47	4.48	4.47	4.88	4.82	4.84	4.82	4.80
382500	1912.5	4.47	4.47	4.47	4.47	4.47	4.82	4.83	4.75	4.78	4.76

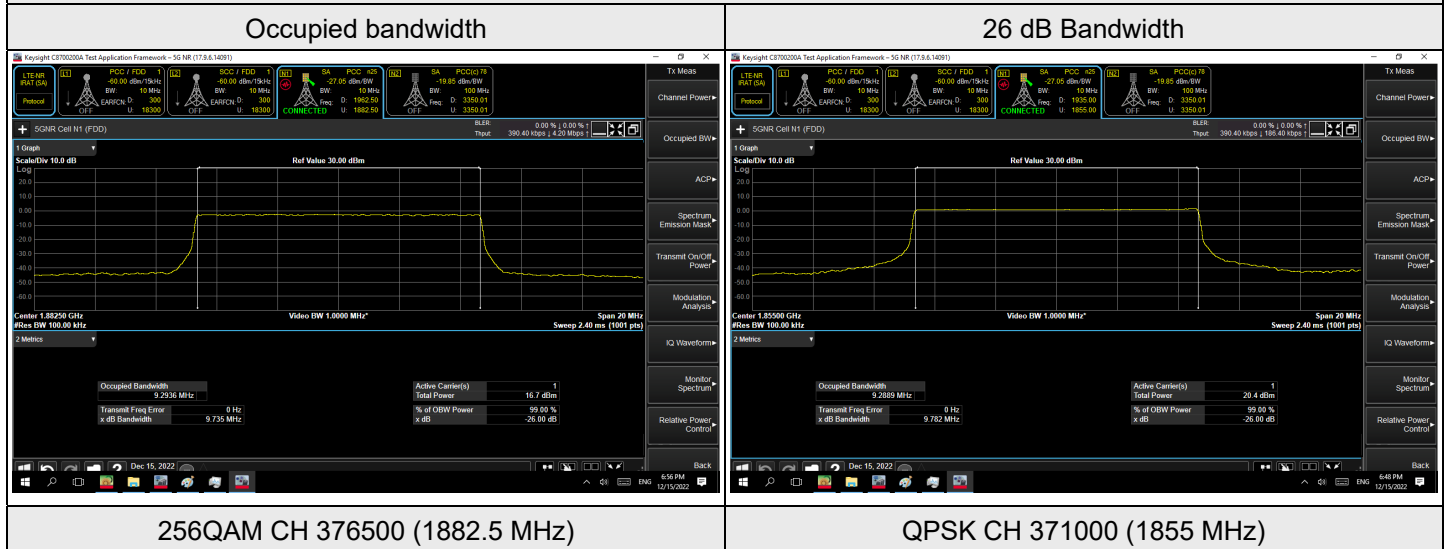
Spectrum Plot of Worst Value



**NR n25 SCS 15 kHz, Channel Bandwidth: 10 MHz**

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)					26 dB Bandwidth (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
371000	1855	9.18	9.29	9.29	9.29	9.29	9.34	9.78	9.68	9.72	9.70
376500	1882.5	9.20	9.29	9.29	9.29	9.29	9.28	9.76	9.73	9.74	9.74
382000	1910	9.21	9.29	9.29	9.29	9.29	9.35	9.68	9.64	9.71	9.67

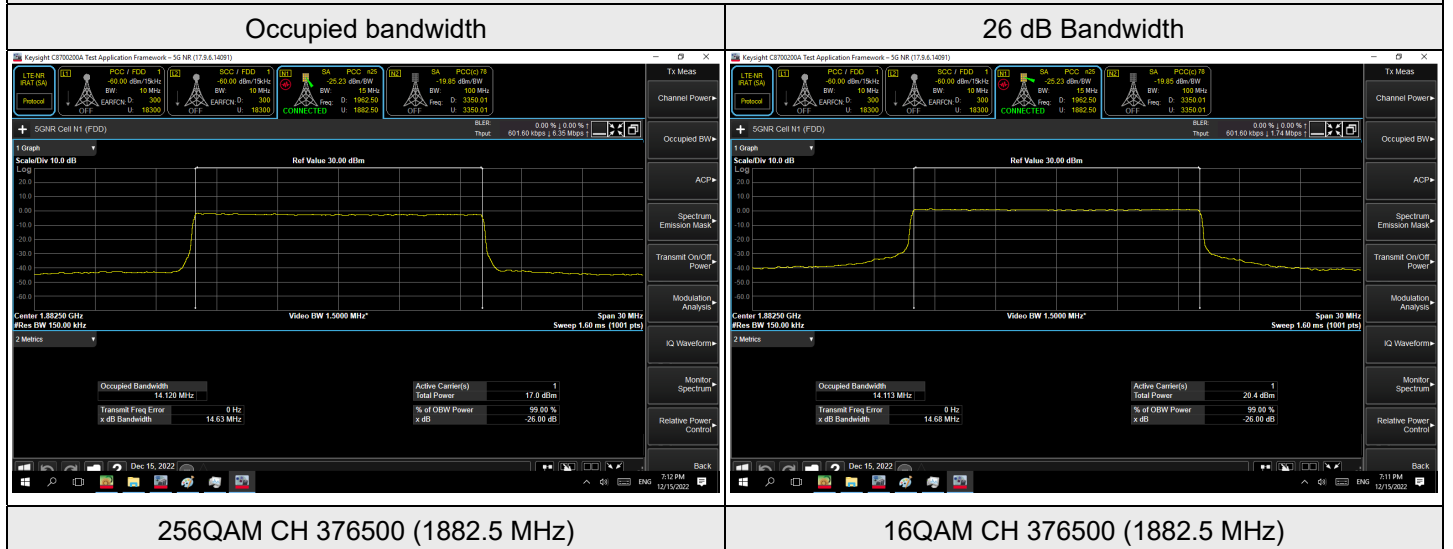
**Spectrum Plot of Worst Value**



NR n25 SCS 15 kHz, Channel Bandwidth: 15 MHz

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)					26 dB Bandwidth (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
371500	1857.5	13.98	14.11	14.11	14.12	14.12	13.92	14.64	14.65	14.65	14.63
376500	1882.5	14.04	14.12	14.11	14.12	14.12	13.97	14.65	14.68	14.67	14.63
381500	1907.5	14.04	14.12	14.11	14.12	14.11	13.92	14.62	14.65	14.62	14.65

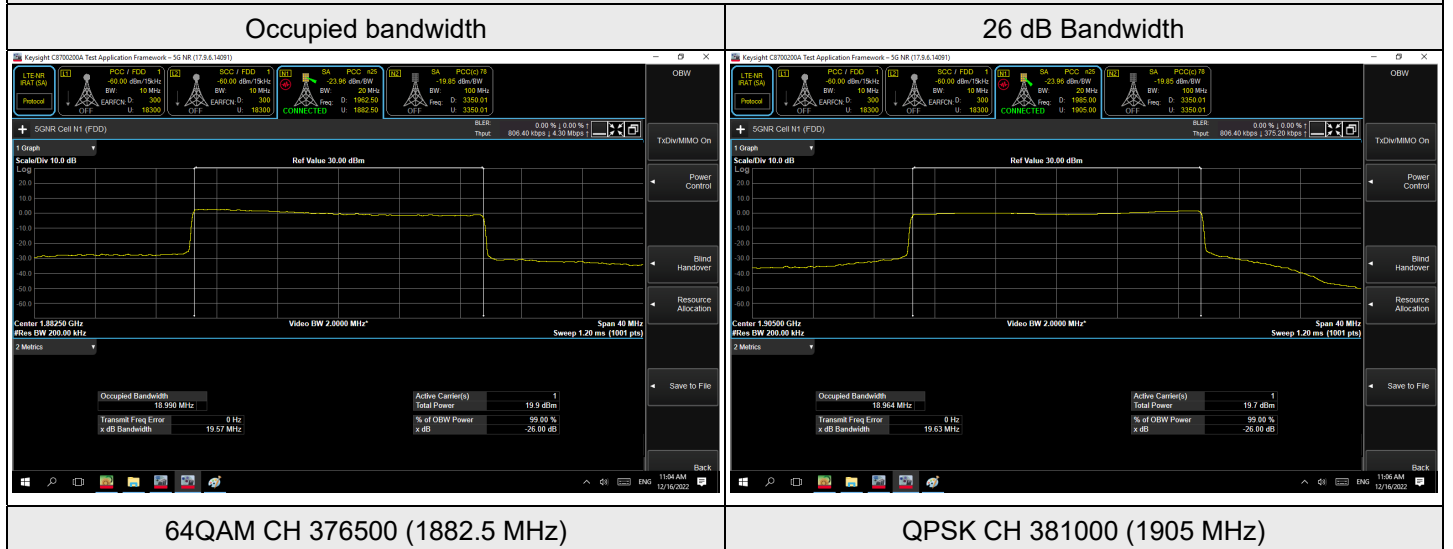
Spectrum Plot of Worst Value



**NR n25 SCS 15 kHz, Channel Bandwidth: 20 MHz**

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)					26 dB Bandwidth (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
372000	1860	18.80	18.91	18.91	18.91	18.91	18.49	19.58	19.61	19.60	19.57
376500	1882.5	18.96	18.99	18.99	18.99	18.99	18.12	19.62	19.57	19.57	19.55
381000	1905	18.73	18.96	18.96	18.97	18.97	18.02	19.63	19.63	19.59	19.58

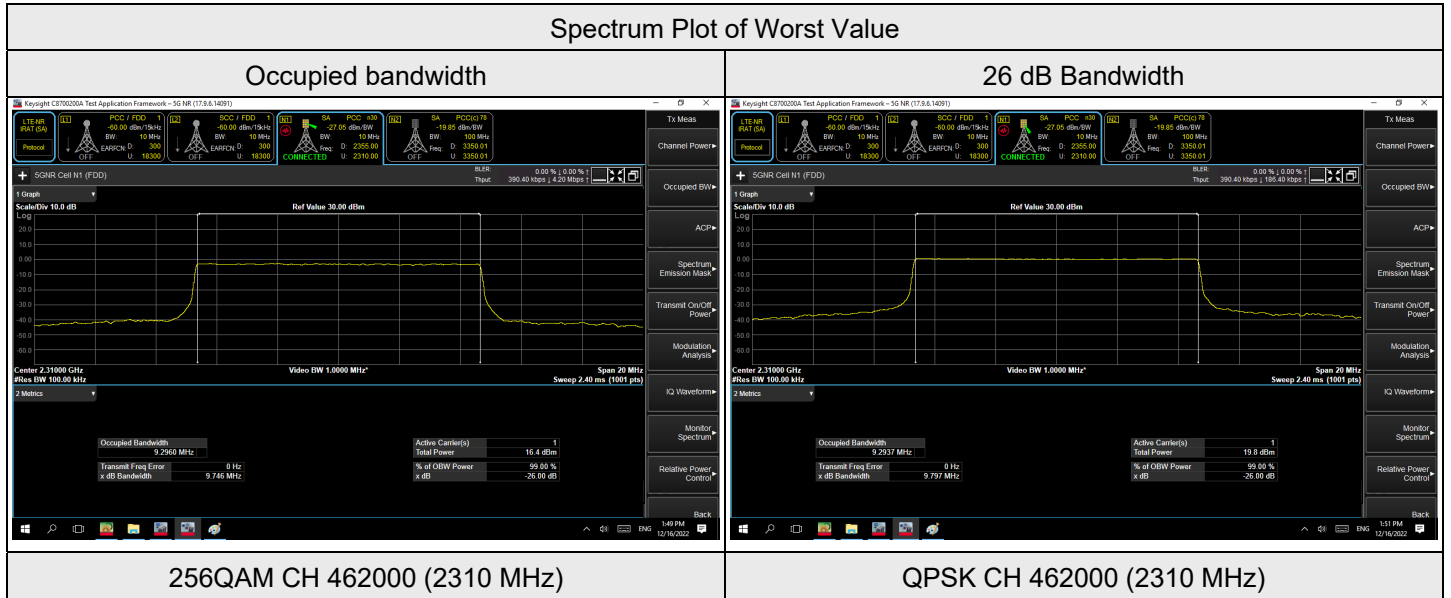
**Spectrum Plot of Worst Value**



7.4.4 NR n30 SCS 15 kHz

NR n30 SCS 15 kHz, Channel Bandwidth: 10 MHz

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)					26 dB Bandwidth (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
462000	2310	9.21	9.29	9.29	9.29	9.30	9.33	9.80	9.72	9.74	9.76

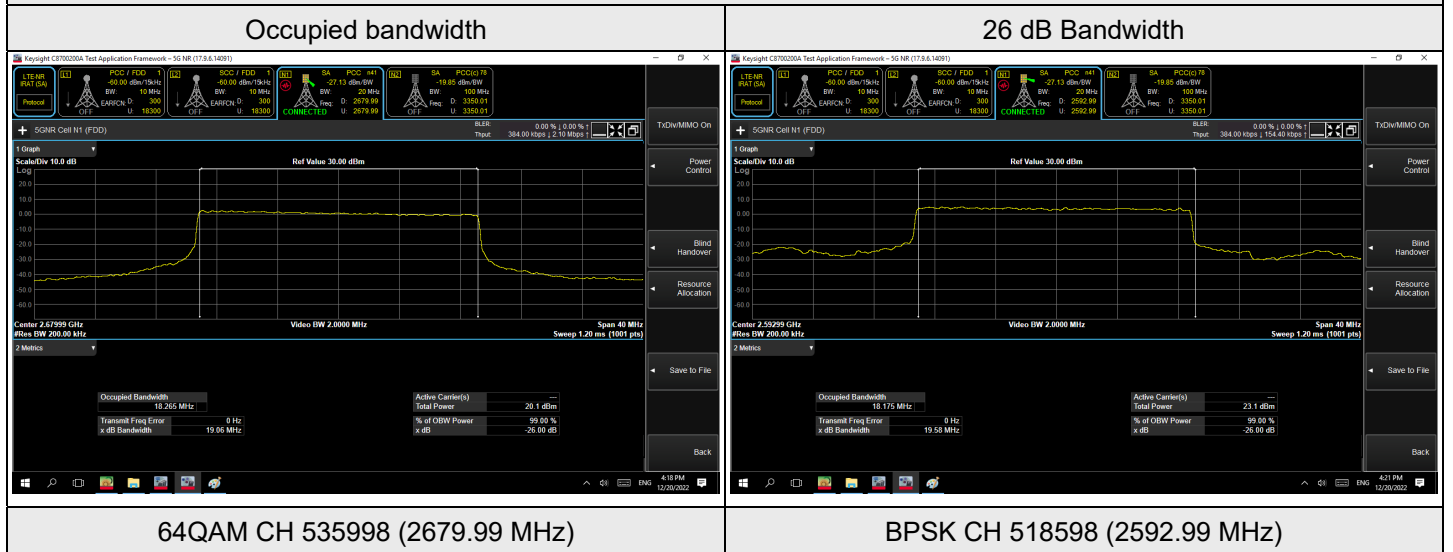


7.4.5 NR n41 SCS 30 kHz

NR n41 SCS 30 kHz, Channel Bandwidth: 20 MHz

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)					26 dB Bandwidth (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
501204	2506.02	17.95	18.19	18.19	18.24	18.19	18.60	18.99	19.06	19.06	18.96
518598	2592.99	18.18	18.24	18.20	18.25	18.25	19.58	19.00	19.00	19.07	19.01
535998	2679.99	18.12	18.26	18.25	18.27	18.26	18.64	19.03	19.00	19.02	18.94

Spectrum Plot of Worst Value

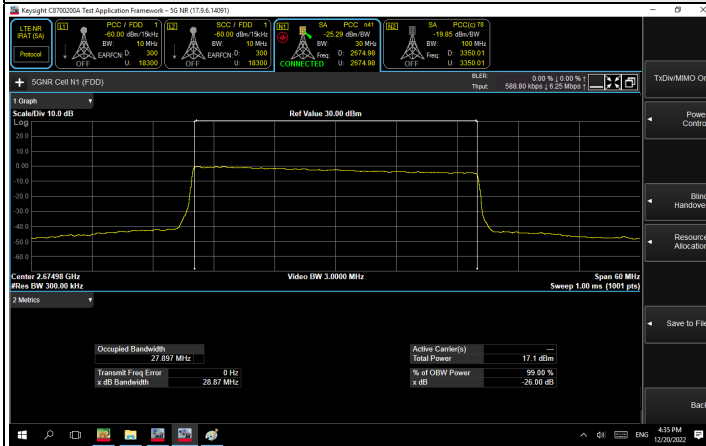


NR n41 SCS 30 kHz, Channel Bandwidth: 30 MHz

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)					26 dB Bandwidth (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
502200	2511	27.41	27.85	27.85	27.84	27.86	27.85	29.03	28.90	28.92	28.87
518598	2592.99	27.73	27.88	27.87	27.88	27.89	27.78	29.00	28.93	28.92	28.85
534996	2674.98	27.76	27.89	27.88	27.88	27.90	28.12	28.95	28.90	28.84	28.87

Spectrum Plot of Worst Value

Occupied bandwidth



256QAM CH 534996 (2674.98 MHz)

26 dB Bandwidth



QPSK CH 502200 (2511 MHz)



NR n41 SCS 30 kHz, Channel Bandwidth: 40 MHz

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)					26 dB Bandwidth (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
503202	2516.01	37.18	37.81	37.81	37.81	37.79	37.05	39.24	39.19	39.19	39.18
518598	2592.99	37.67	37.92	37.92	37.93	37.83	37.05	39.21	39.22	39.19	39.20
534000	2670	37.63	37.81	37.81	37.81	37.79	37.03	39.16	39.15	39.13	39.14

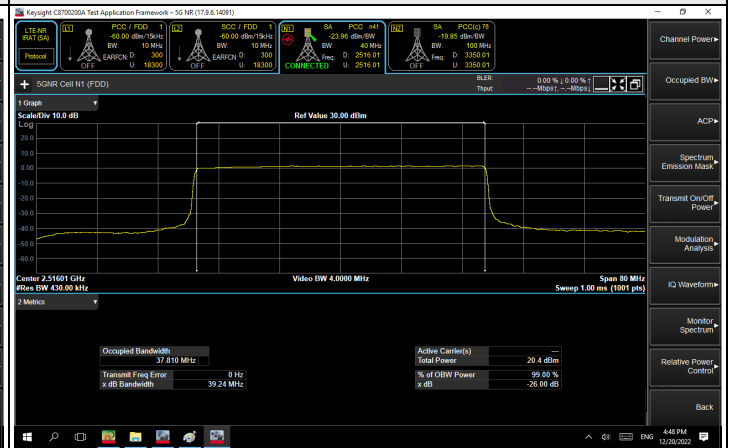
Spectrum Plot of Worst Value

Occupied bandwidth

26 dB Bandwidth



64QAM CH 518598 (2592.99 MHz)



QPSK CH 503202 (2516.01 MHz)

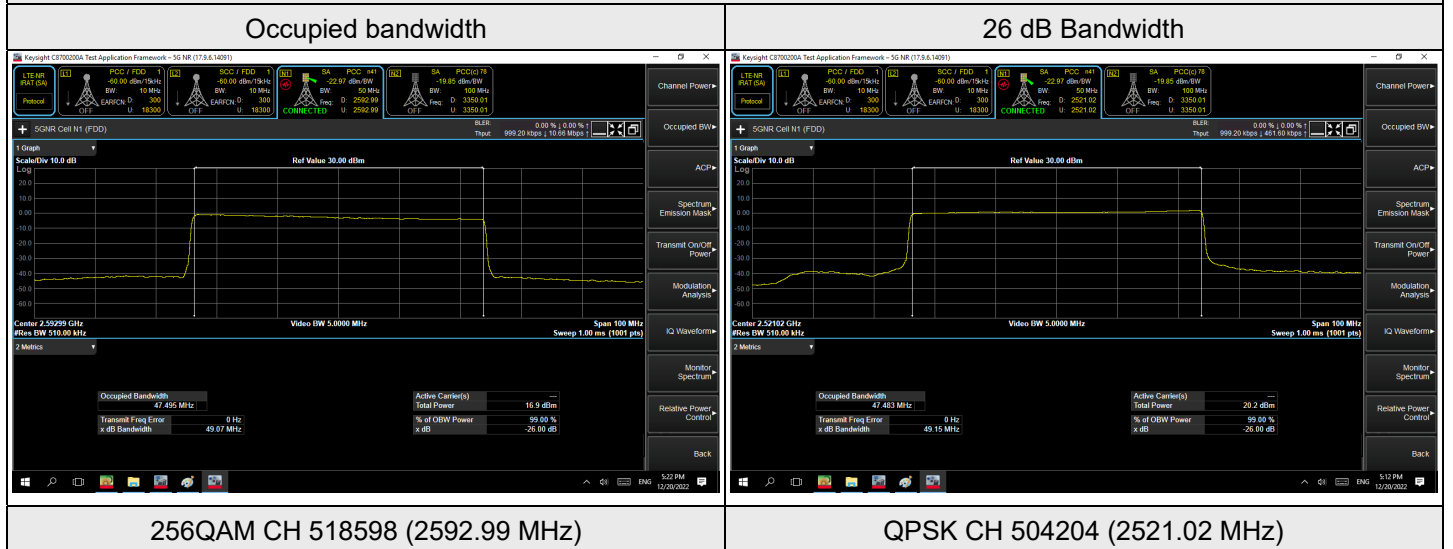




NR n41 SCS 30 kHz, Channel Bandwidth: 50 MHz

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)					26 dB Bandwidth (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
504204	2521.02	46.82	47.48	47.48	47.48	47.47	47.32	49.15	49.12	49.12	49.09
518598	2592.99	47.27	47.61	47.50	47.61	49.07	47.29	49.13	49.09	49.09	47.50
532998	2664.99	47.01	47.41	47.30	47.42	47.28	47.26	49.08	49.05	49.06	49.04

Spectrum Plot of Worst Value



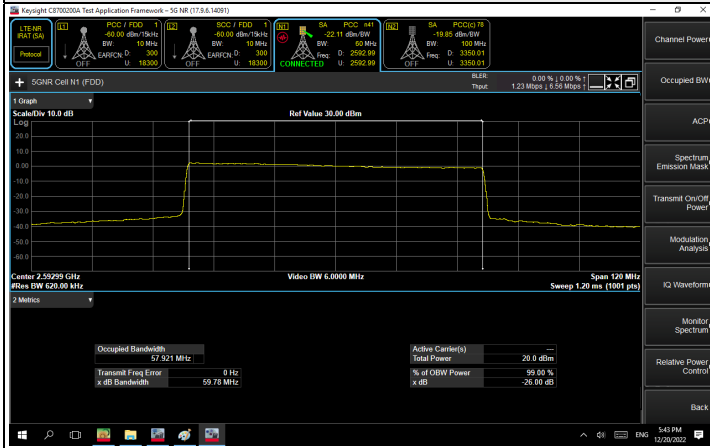


NR n41 SCS 30 kHz, Channel Bandwidth: 60 MHz

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)					26 dB Bandwidth (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
505200	2526	57.89	57.87	57.87	57.87	57.88	59.75	59.74	59.75	59.78	59.74
518598	2592.99	57.92	57.92	57.91	57.92	57.91	59.76	59.76	59.77	59.78	59.74
531996	2659.98	57.67	57.63	57.62	57.63	57.62	59.74	59.70	59.71	59.69	59.68

Spectrum Plot of Worst Value

Occupied bandwidth



64QAM CH 518598 (2592.99 MHz)

26 dB Bandwidth



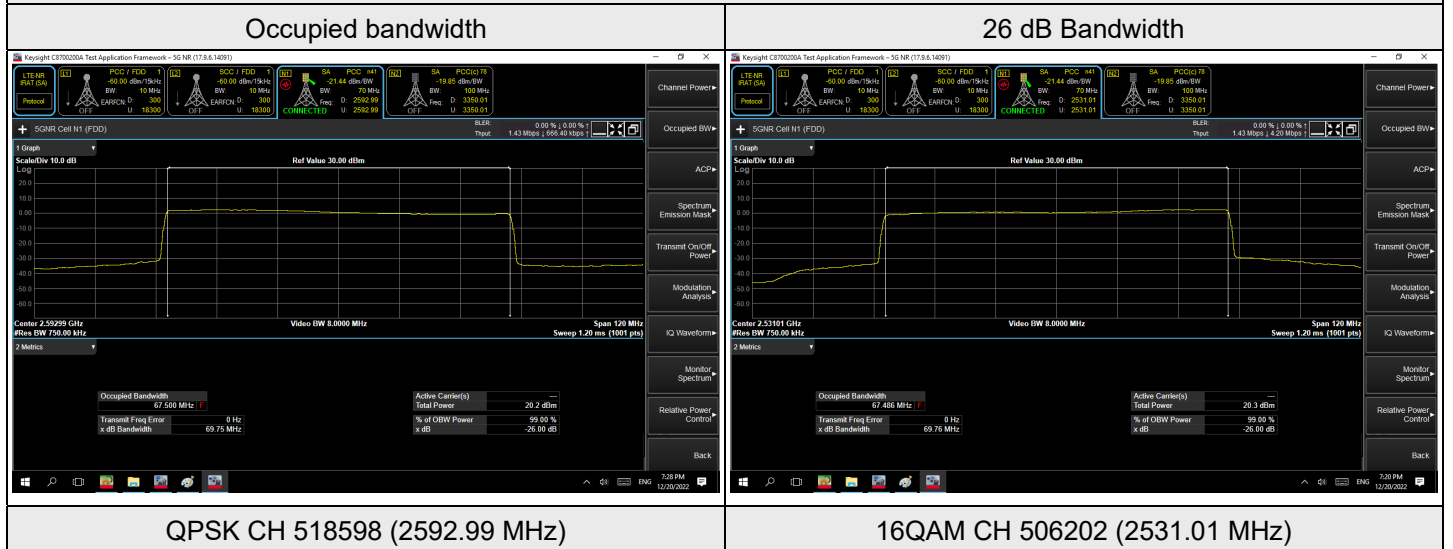
64QAM CH 518598 (2592.99 MHz)



NR n41 SCS 30 kHz, Channel Bandwidth: 70 MHz

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)					26 dB Bandwidth (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
506202	2531.01	66.03	67.49	67.49	67.49	67.50	66.45	69.74	69.76	69.73	69.72
518598	2592.99	67.06	67.50	67.49	67.49	67.49	66.46	69.75	69.75	69.74	69.75
531000	2655	65.84	67.02	66.99	67.00	67.00	66.31	69.59	69.57	69.58	69.59

Spectrum Plot of Worst Value

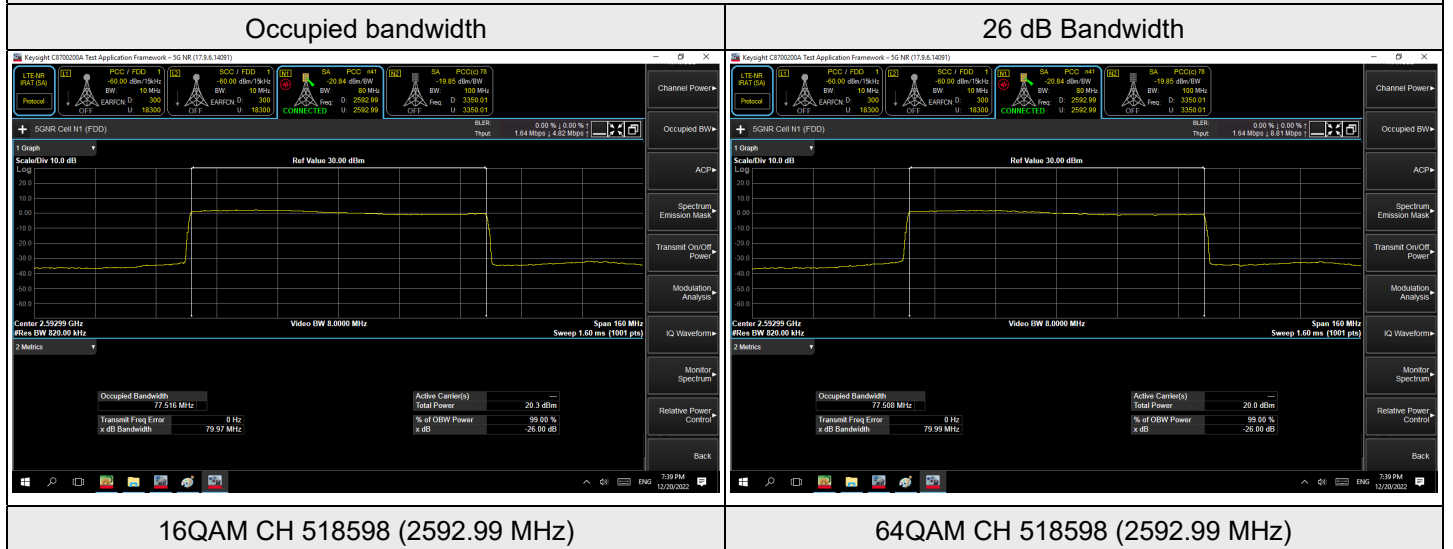




NR n41 SCS 30 kHz, Channel Bandwidth: 80 MHz

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)					26 dB Bandwidth (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
507204	2536.02	76.93	77.48	77.50	77.48	77.47	79.60	79.95	79.97	79.95	79.95
518598	2592.99	77.24	77.51	77.52	77.51	77.49	79.62	79.98	79.97	79.99	79.95
529998	2649.99	76.64	76.94	76.96	76.94	76.92	79.45	79.84	79.82	79.82	79.82

Spectrum Plot of Worst Value



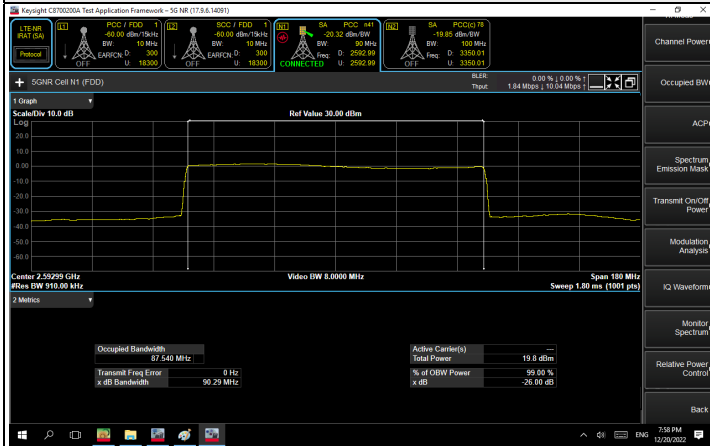


NR n41 SCS 30 kHz, Channel Bandwidth: 90 MHz

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)					26 dB Bandwidth (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
508200	2541	86.47	87.25	87.27	87.27	87.27	89.46	90.22	90.22	90.24	90.24
518598	2592.99	86.89	87.53	87.53	87.54	87.53	89.54	90.27	90.28	90.29	90.29
528996	2644.98	86.49	87.15	87.16	87.16	87.16	89.38	90.05	90.04	90.07	90.06

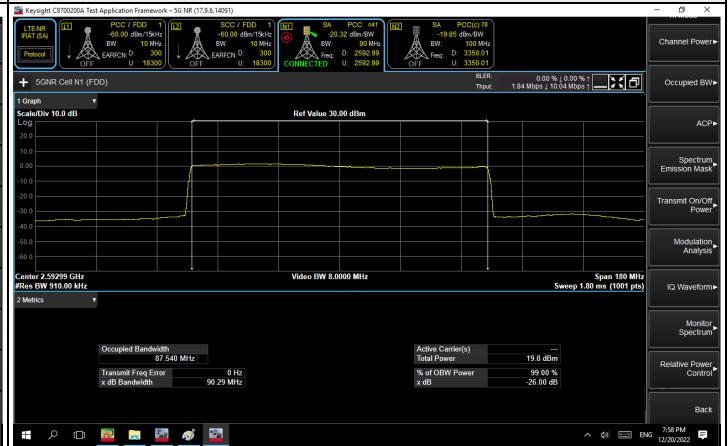
Spectrum Plot of Worst Value

Occupied bandwidth



64QAM CH 518598 (2592.99 MHz)

26 dB Bandwidth

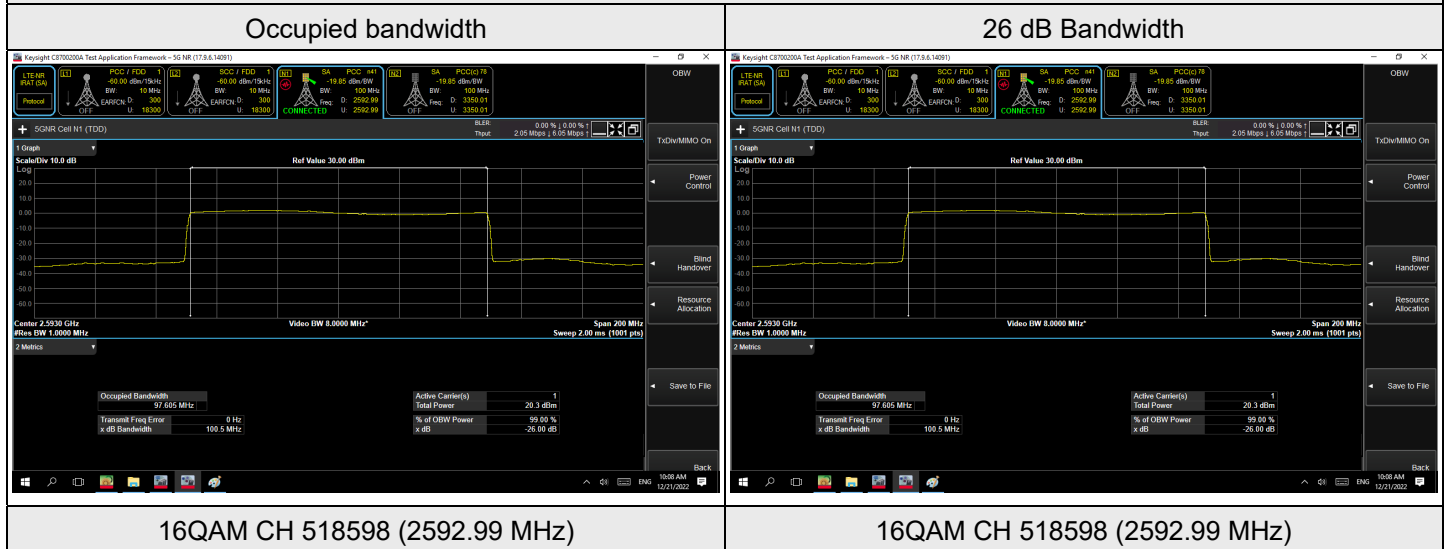


64QAM CH 518598 (2592.99 MHz)

NR n41 SCS 30 kHz, Channel Bandwidth: 100 MHz

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)					26 dB Bandwidth (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
509202	2546.01	96.04	97.22	97.21	96.98	97.21	99.36	100.40	100.40	100.40	100.40
518598	2592.99	96.56	97.61	97.61	97.38	97.60	99.45	100.50	100.50	100.50	100.50
528000	2640	96.49	97.29	97.28	97.26	97.27	99.31	100.40	100.40	100.40	100.30

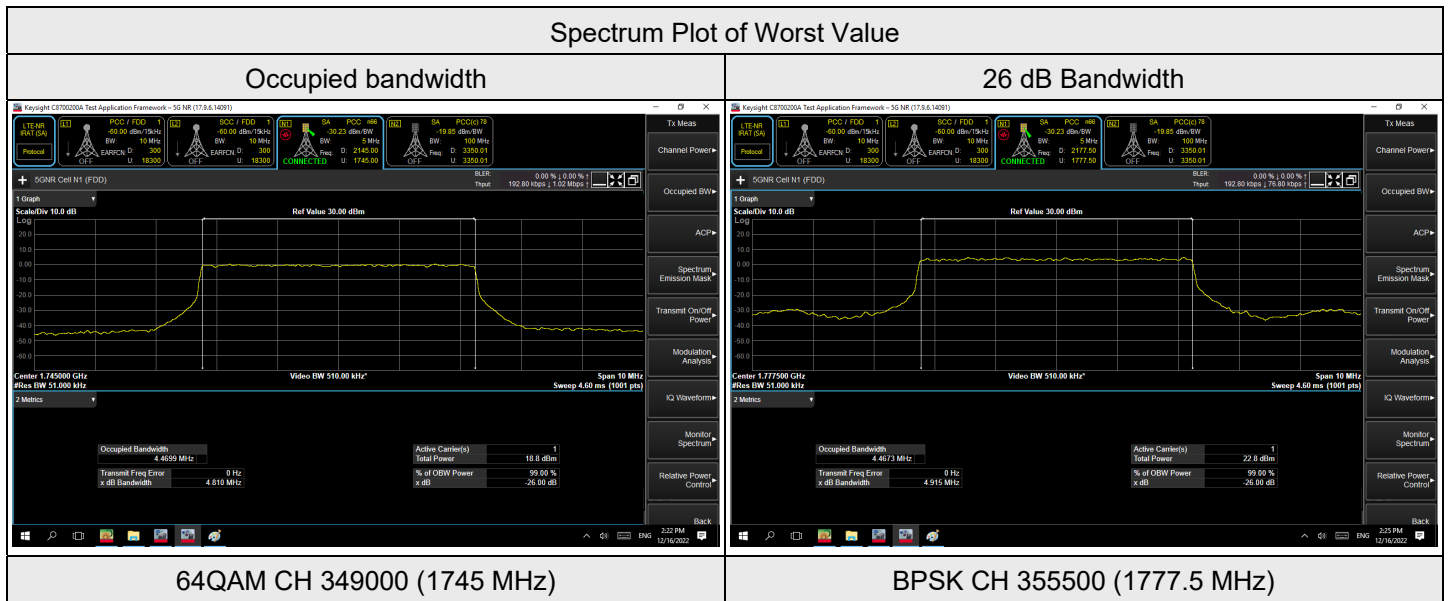
Spectrum Plot of Worst Value



7.4.6 NR n66 SCS 15 kHz

NR n66 SCS 15 kHz, Channel Bandwidth: 5 MHz

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)					26 dB Bandwidth (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
342500	1712.5	4.47	4.47	4.47	4.47	4.47	4.82	4.86	4.79	4.79	4.77
349000	1745	4.47	4.47	4.47	4.47	4.47	4.82	4.85	4.84	4.81	4.78
355500	1777.5	4.47	4.47	4.47	4.47	4.47	4.92	4.84	4.79	4.79	4.76





NR n66 SCS 15 kHz, Channel Bandwidth: 10 MHz

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)					26 dB Bandwidth (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
343000	1715	9.21	9.28	9.29	9.28	9.29	9.28	9.66	9.71	9.66	9.68
349000	1745	9.21	9.28	9.29	9.28	9.29	9.30	9.69	9.71	9.69	9.70
355000	1775	9.17	9.28	9.29	9.28	9.29	9.33	9.66	9.65	9.69	9.67

Spectrum Plot of Worst Value

Occupied bandwidth

26 dB Bandwidth



256QAM CH 349000 (1745 MHz)



16QAM CH 9538 (1907.6 MHz)

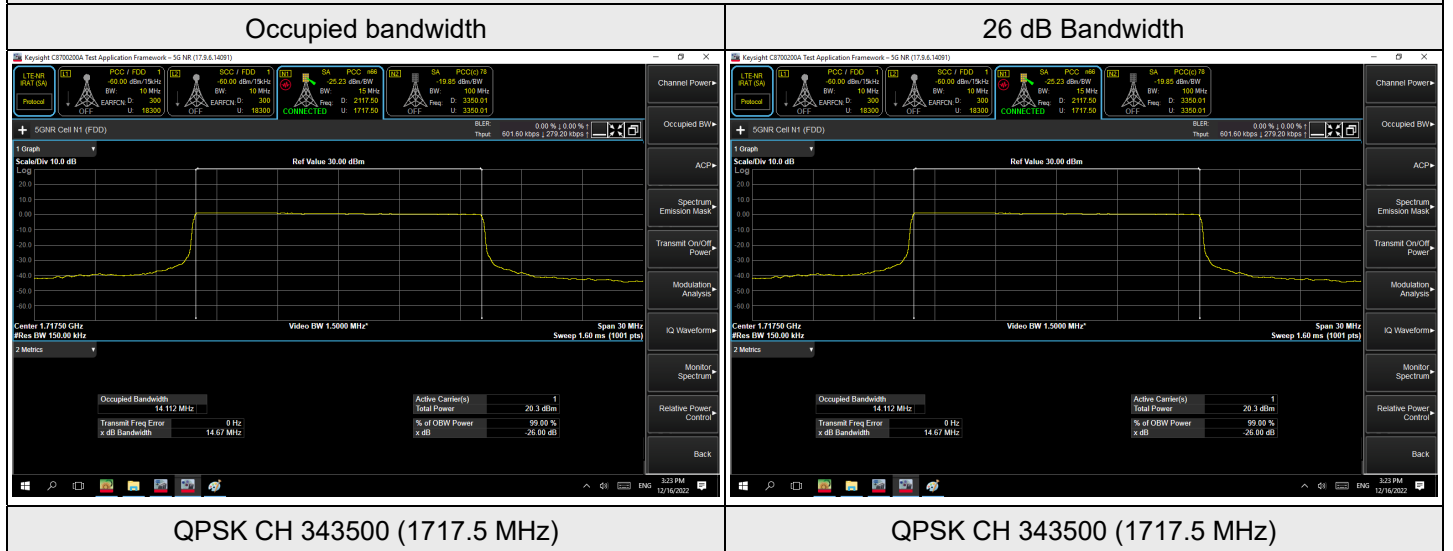




NR n66 SCS 15 kHz, Channel Bandwidth: 15 MHz

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)					26 dB Bandwidth (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
343500	1717.5	14.05	14.11	14.11	14.11	14.11	13.89	14.67	14.64	14.63	14.60
349000	1745	14.00	14.11	14.10	14.11	14.11	13.92	14.65	14.65	14.63	14.62
354500	1772.5	13.93	14.11	14.10	14.11	14.11	13.91	14.62	14.65	14.62	14.61

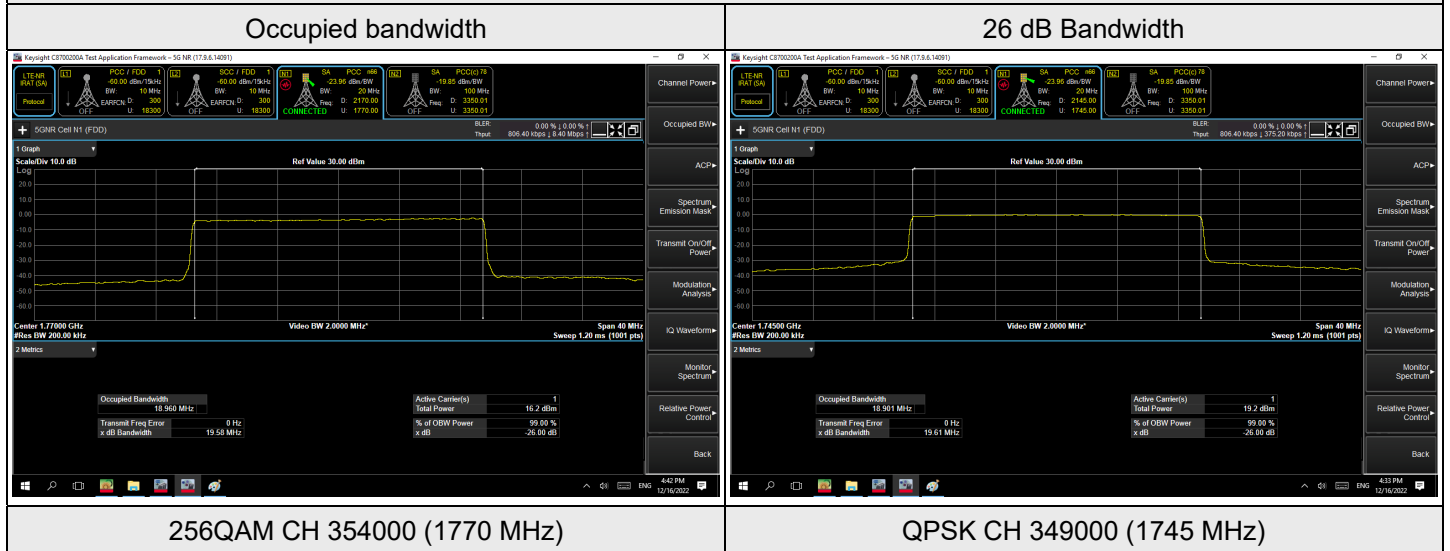
Spectrum Plot of Worst Value



**NR n66 SCS 15 kHz, Channel Bandwidth: 20 MHz**

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)					26 dB Bandwidth (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
344000	1720	18.81	18.91	18.91	18.92	18.92	18.49	19.61	19.58	19.56	19.55
349000	1745	18.76	18.90	18.90	18.90	18.91	18.56	19.61	19.58	19.57	19.57
354000	1770	18.67	18.91	18.91	18.92	18.96	18.51	19.60	19.60	19.58	19.58

**Spectrum Plot of Worst Value**

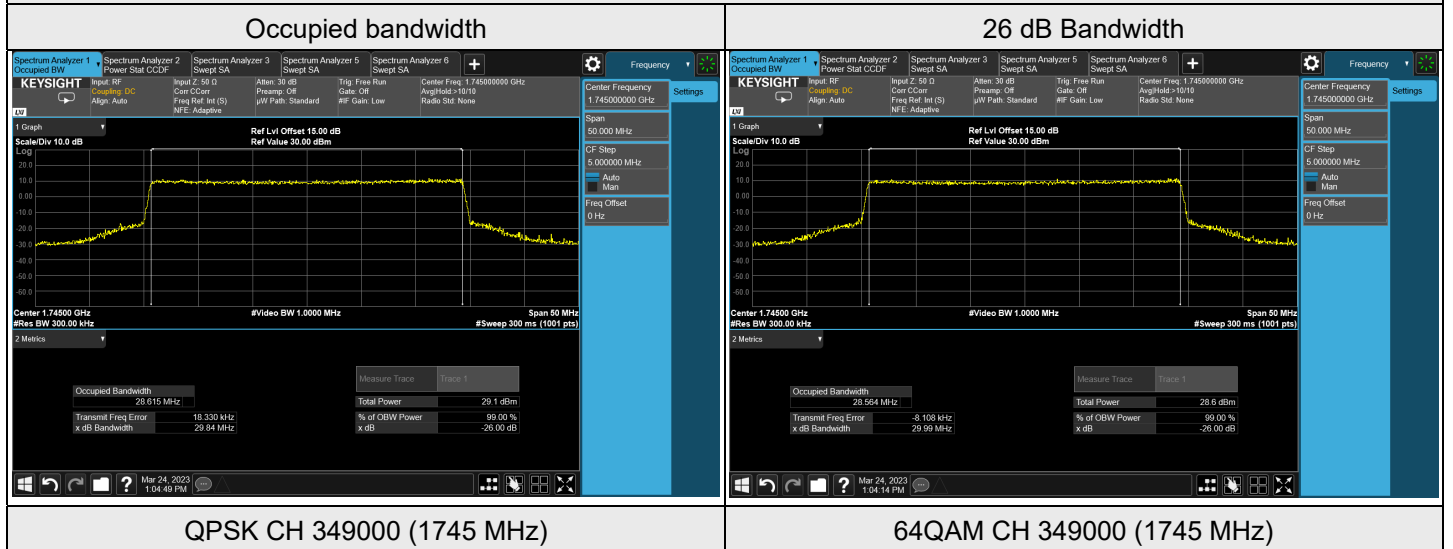




NR n66 SCS 15 kHz, Channel Bandwidth: 30 MHz

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)					26 dB Bandwidth (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
345000	1725	28.53	28.48	28.48	28.48	28.47	29.75	29.79	29.74	29.89	29.79
349000	1745	28.60	28.62	28.57	28.56	28.58	29.76	29.84	29.93	29.99	29.84
353000	1765	25.83	28.50	28.51	28.51	28.47	29.70	29.87	29.86	29.99	29.80

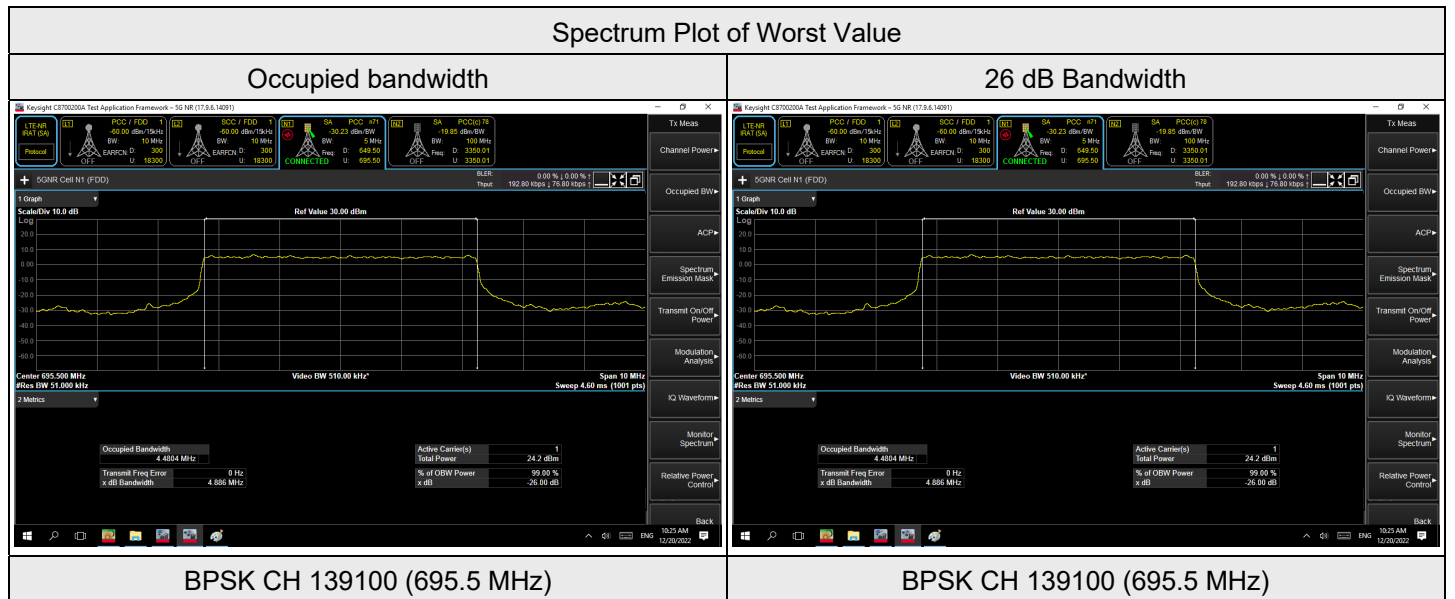
Spectrum Plot of Worst Value



7.4.7 NR n71 SCS 15 kHz

NR n71 SCS 15 kHz, Channel Bandwidth: 5 MHz

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)					26 dB Bandwidth (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
133100	665.5	4.47	4.47	4.47	4.47	4.47	4.81	4.85	4.84	4.79	4.76
136100	680.5	4.47	4.47	4.47	4.47	4.47	4.71	4.77	4.80	4.76	4.77
139100	695.5	4.48	4.47	4.47	4.47	4.47	4.89	4.81	4.74	4.78	4.75

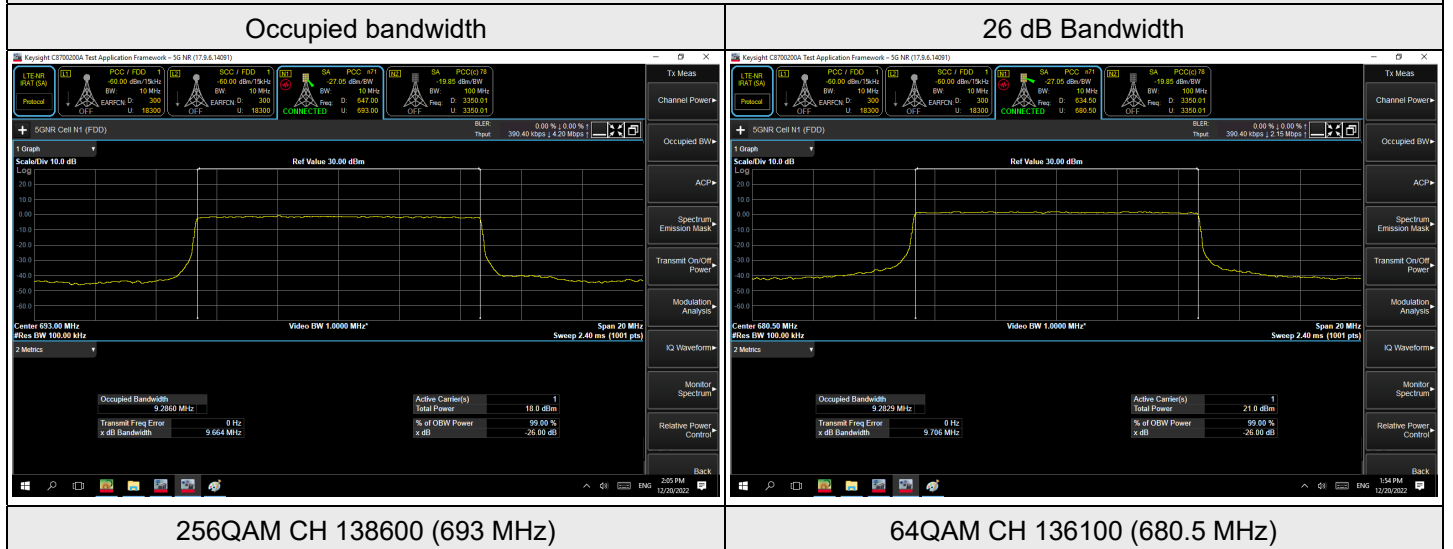




NR n71 SCS 15 kHz, Channel Bandwidth: 10 MHz

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)					26 dB Bandwidth (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
133600	668	9.16	9.28	9.28	9.28	9.29	9.31	9.67	9.66	9.67	9.66
136100	680.5	9.20	9.28	9.28	9.28	9.29	9.32	9.68	9.66	9.71	9.67
138600	693	9.18	9.29	9.28	9.28	9.29	9.30	9.65	9.65	9.68	9.66

Spectrum Plot of Worst Value

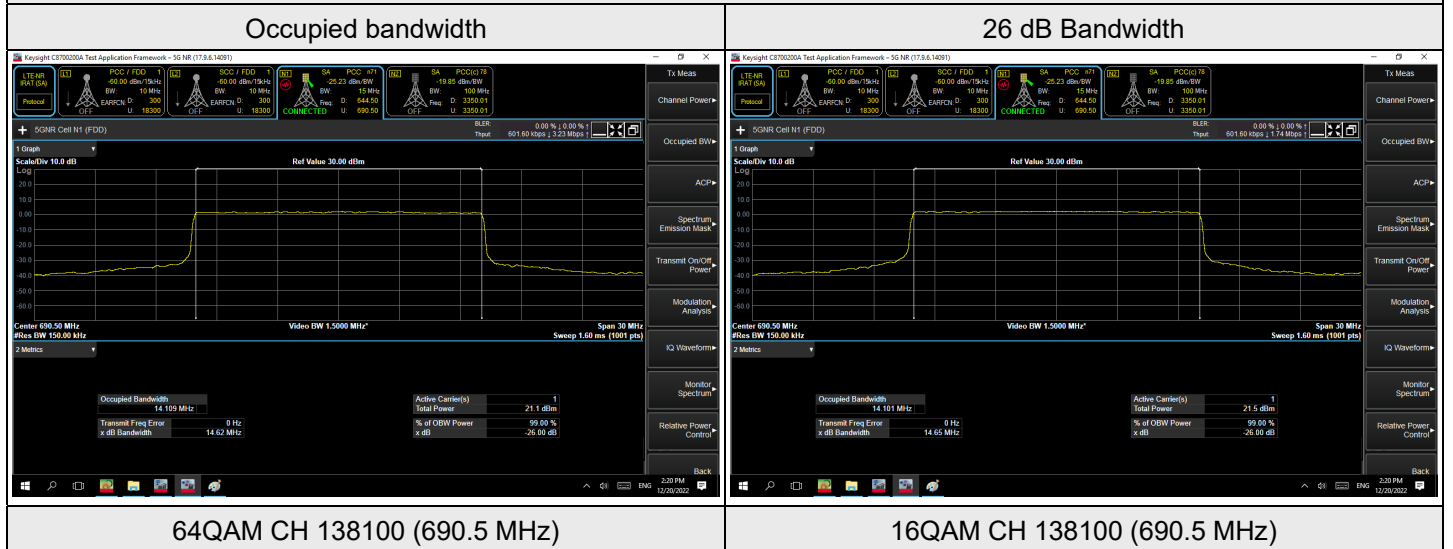




NR n71 SCS 15 kHz, Channel Bandwidth: 15 MHz

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)					26 dB Bandwidth (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
134100	670.5	13.93	14.10	14.07	14.10	14.10	14.62	14.64	14.64	14.61	14.60
136100	680.5	13.99	14.10	14.06	14.11	14.10	14.62	14.61	14.63	14.64	14.62
138100	690.5	14.01	14.11	14.10	14.11	14.11	13.92	14.63	14.65	14.62	14.61

Spectrum Plot of Worst Value

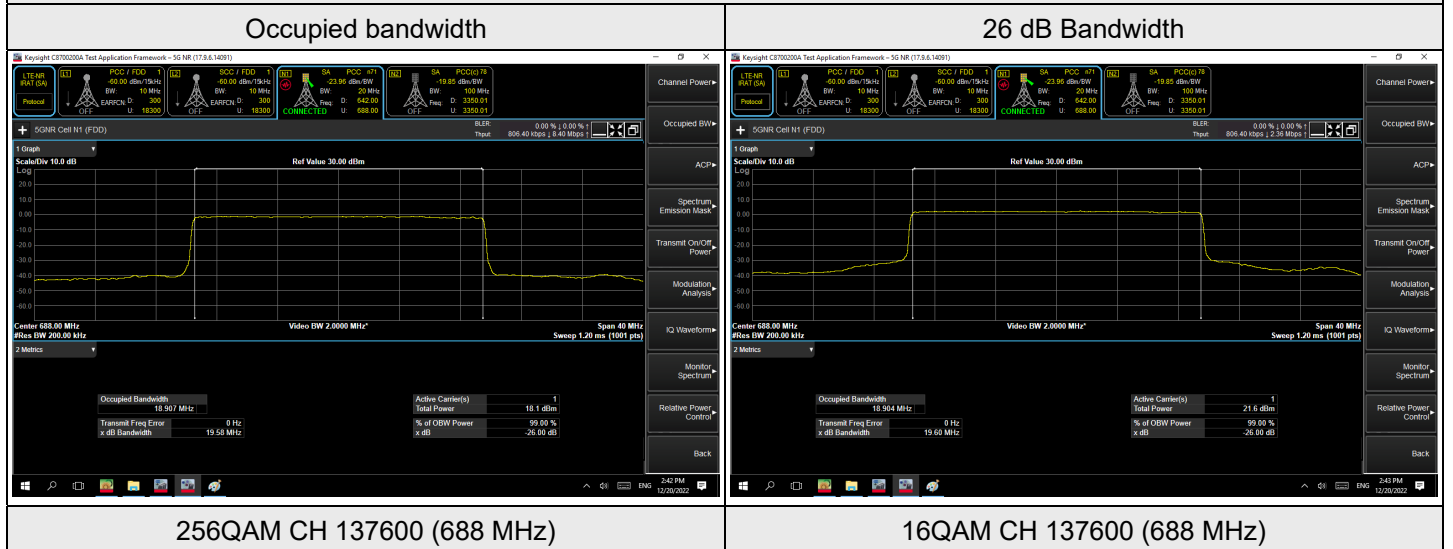




NR n71 SCS 15 kHz, Channel Bandwidth: 20 MHz

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)					26 dB Bandwidth (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
134600	673	18.60	18.89	18.89	18.90	18.89	18.48	19.58	19.58	19.56	19.55
136100	680.5	18.73	18.90	18.90	18.90	18.90	18.49	19.59	19.59	19.57	19.57
137600	688	18.75	18.91	18.90	18.91	18.91	18.50	19.59	19.60	19.58	19.58

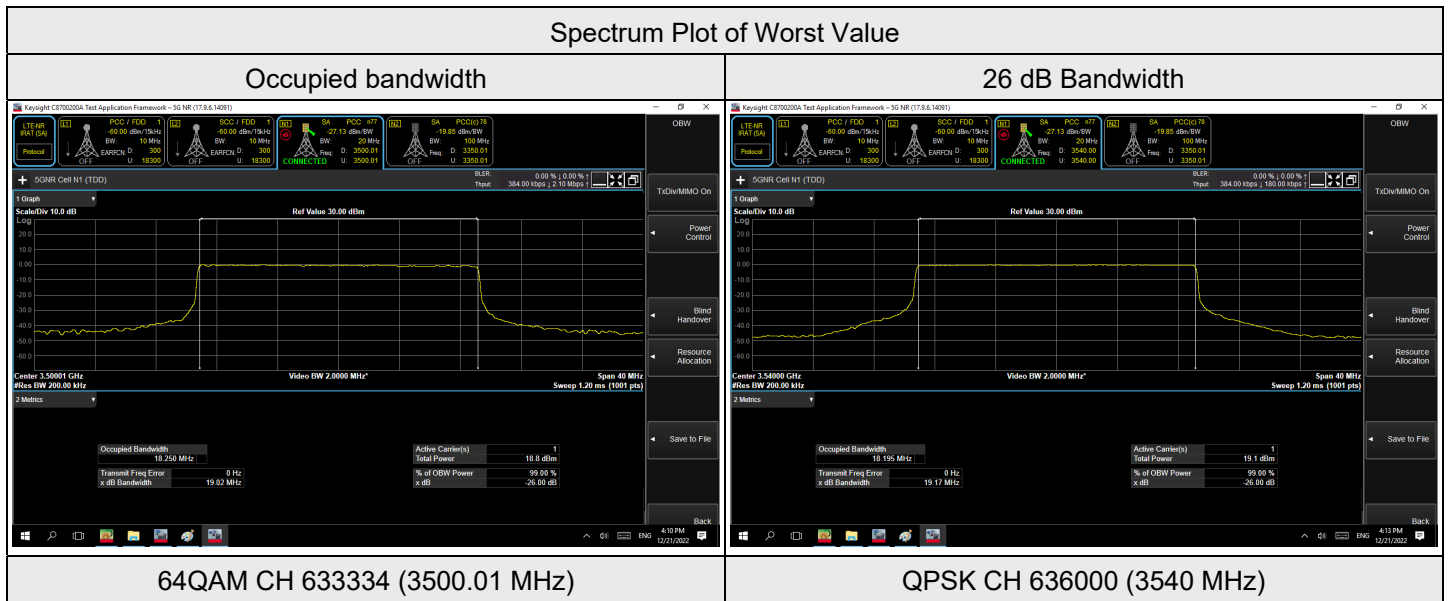
Spectrum Plot of Worst Value



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

NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 20 MHz

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)					26 dB Bandwidth (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
630668	3460.02	18.00	18.19	18.19	18.25	18.20	18.65	19.00	19.09	19.12	19.01
633334	3500.01	18.04	18.20	18.20	18.25	18.24	18.63	19.08	19.06	19.02	18.99
636000	3540	18.01	18.20	18.19	18.24	18.20	18.57	19.17	19.04	19.00	18.93



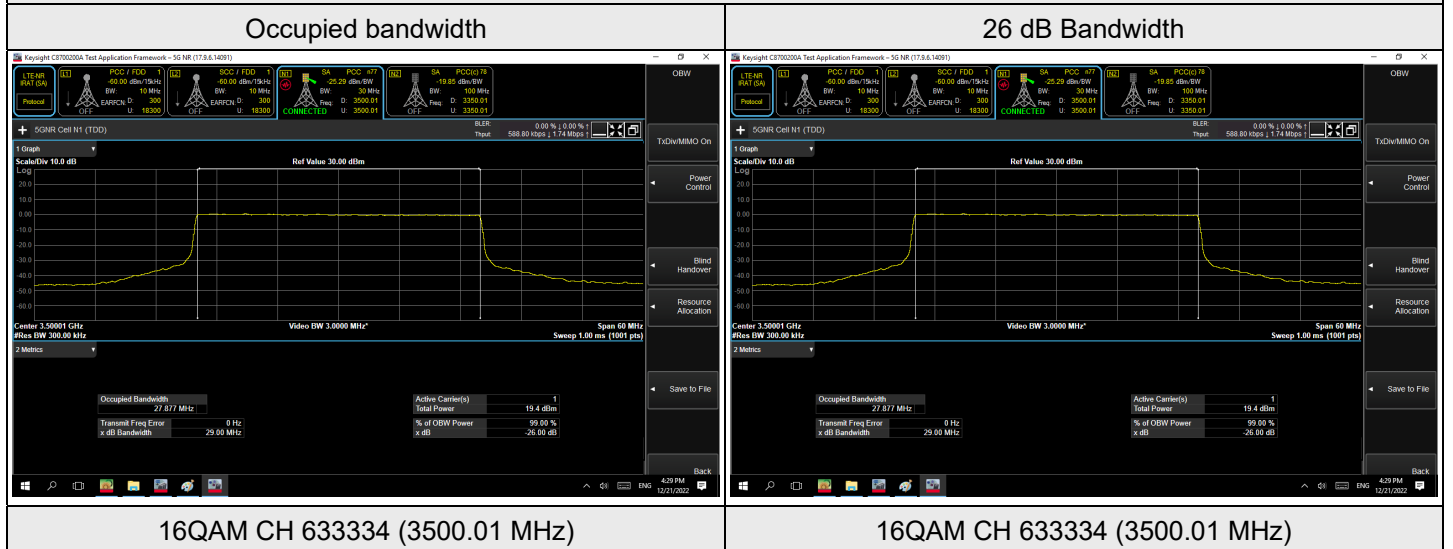




NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 30 MHz

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)					26 dB Bandwidth (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
631000	3465	27.62	27.85	27.87	27.86	27.85	27.79	28.95	28.97	28.96	28.90
633334	3500.01	27.65	27.87	27.88	27.86	27.87	27.80	28.92	29.00	28.96	28.90
635666	3534.99	27.61	27.86	27.87	27.86	27.86	27.81	28.93	28.96	28.97	28.90

Spectrum Plot of Worst Value



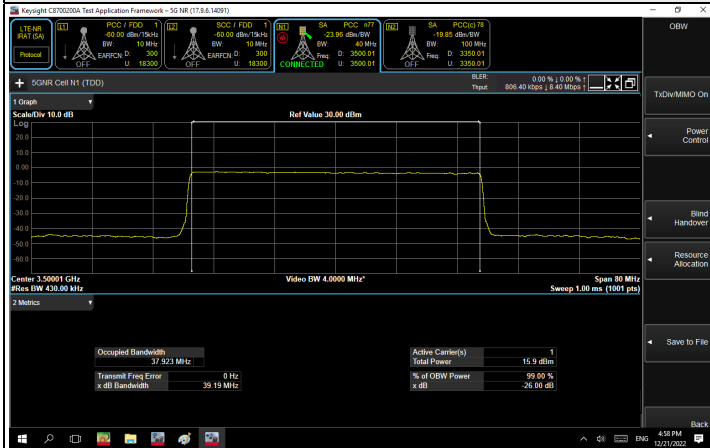


NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 40 MHz

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)					26 dB Bandwidth (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
631334	3470.01	37.47	37.81	37.81	37.82	37.82	37.07	39.21	39.24	39.24	39.19
633334	3500.01	37.63	37.83	37.83	37.92	37.92	37.09	39.24	39.22	39.22	39.19
635332	3529.98	37.46	37.82	37.82	37.83	37.83	37.03	39.21	39.21	39.22	39.21

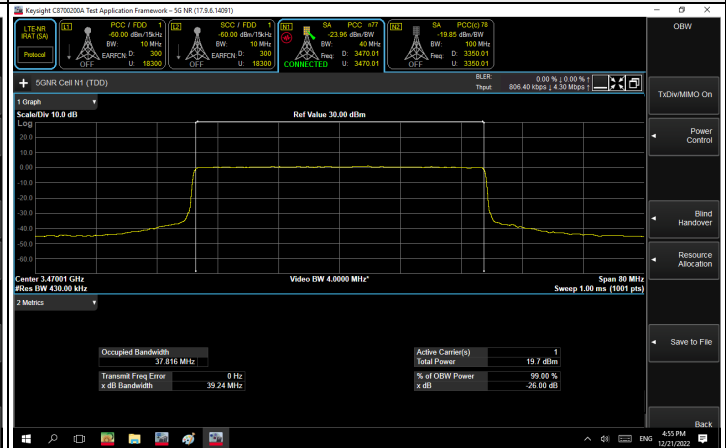
Spectrum Plot of Worst Value

Occupied bandwidth



64QAM CH 633334 (3500.01 MHz)

26 dB Bandwidth

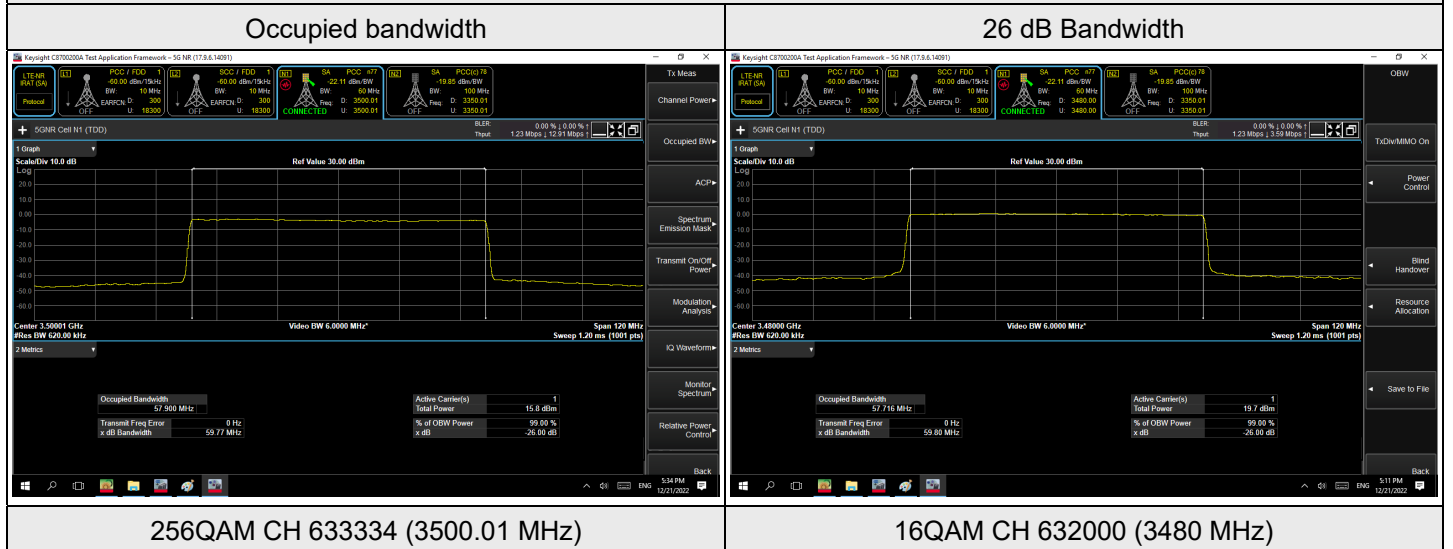


64QAM CH 631334 (3470.01 MHz)

NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 60 MHz

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)					26 dB Bandwidth (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
632000	3480	57.72	57.85	57.72	57.72	57.71	59.73	59.78	59.80	59.80	59.77
633334	3500.01	57.87	57.89	57.89	57.87	57.90	59.76	59.77	59.78	59.78	59.77
634666	3519.99	57.88	57.88	57.88	57.86	57.89	59.77	59.78	59.78	59.78	59.76

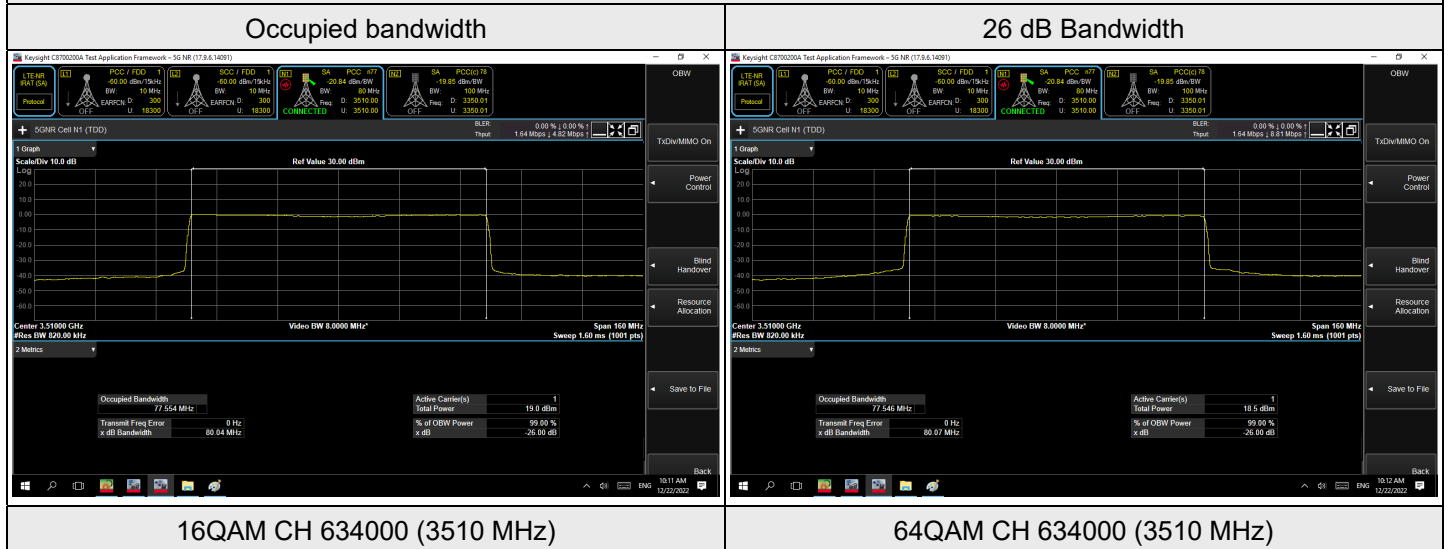
Spectrum Plot of Worst Value



**NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 80 MHz**

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)					26 dB Bandwidth (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
632668	3490.02	77.19	77.52	77.52	77.50	77.55	79.66	80.00	80.01	80.01	80.01
633334	3500.01	77.21	77.54	77.55	77.54	77.53	79.66	80.04	80.00	80.06	80.02
634000	3510	77.25	77.55	77.55	77.55	77.54	79.71	80.03	80.04	80.07	80.02

**Spectrum Plot of Worst Value**

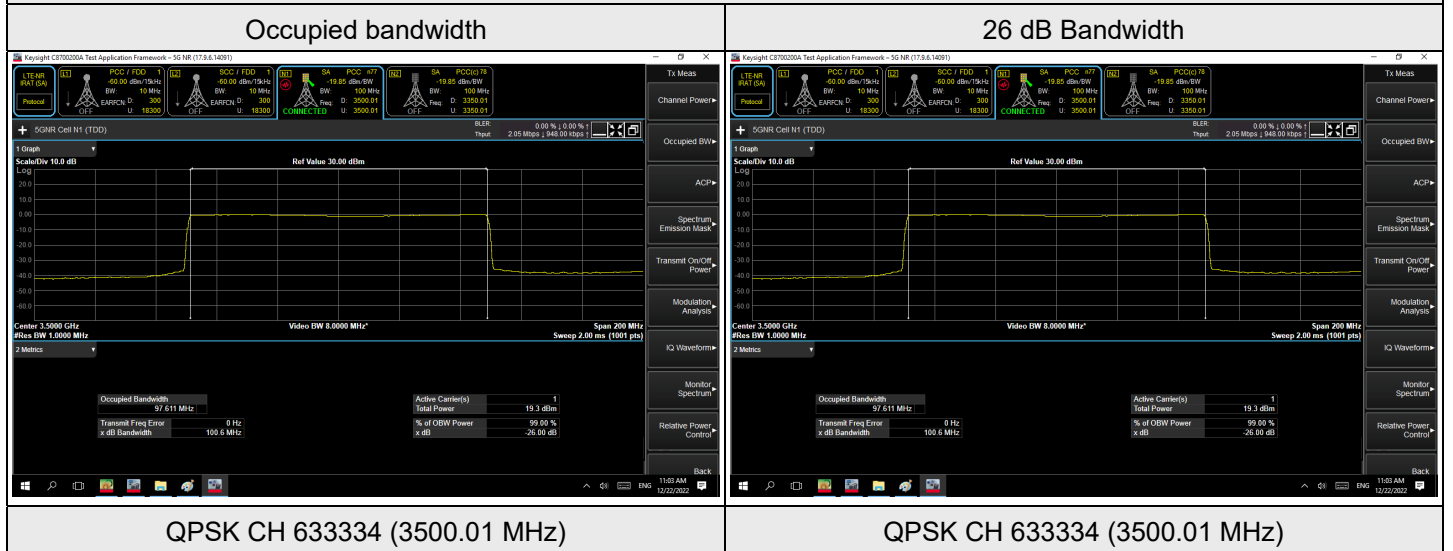




NR n77 (3450-3550 MHz) SCS 30 kHz, Channel Bandwidth: 100 MHz

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)					26 dB Bandwidth (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
633334	3500.01	96.56	97.61	97.61	97.39	97.40	99.56	100.60	100.60	100.60	100.60

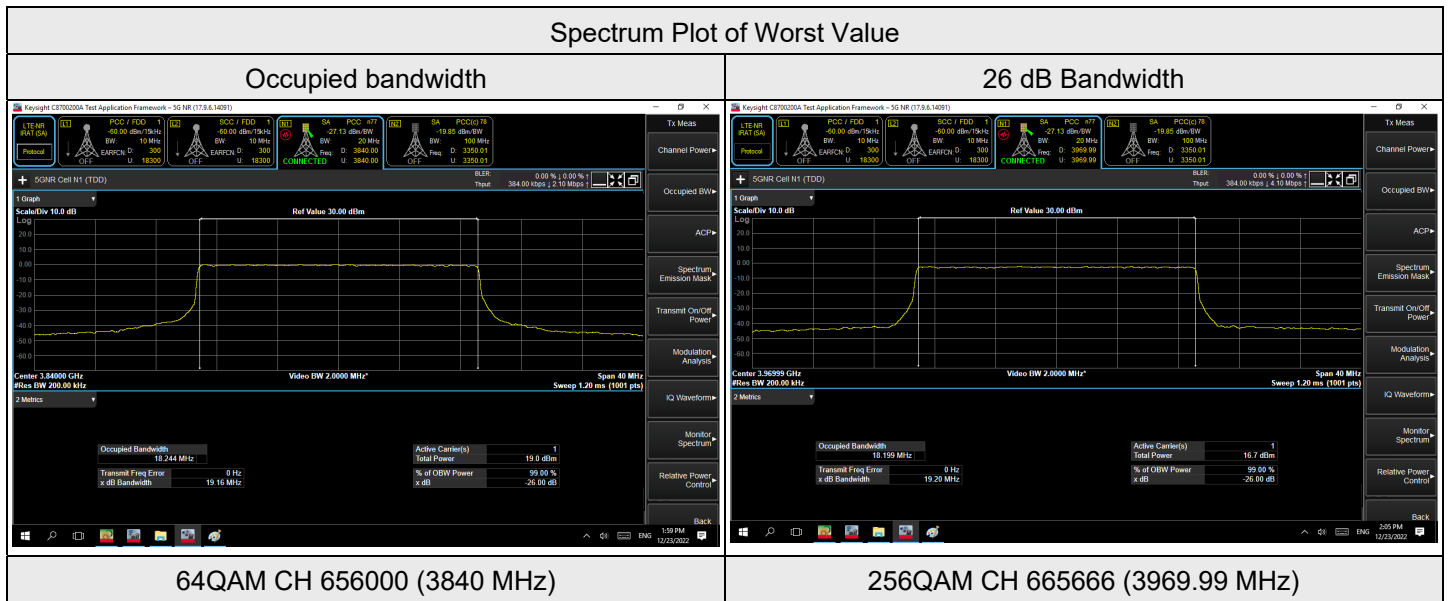
Spectrum Plot of Worst Value



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

NR n77 (3700-3980 MHz) SCS 30 kHz, Channel Bandwidth: 20 MHz

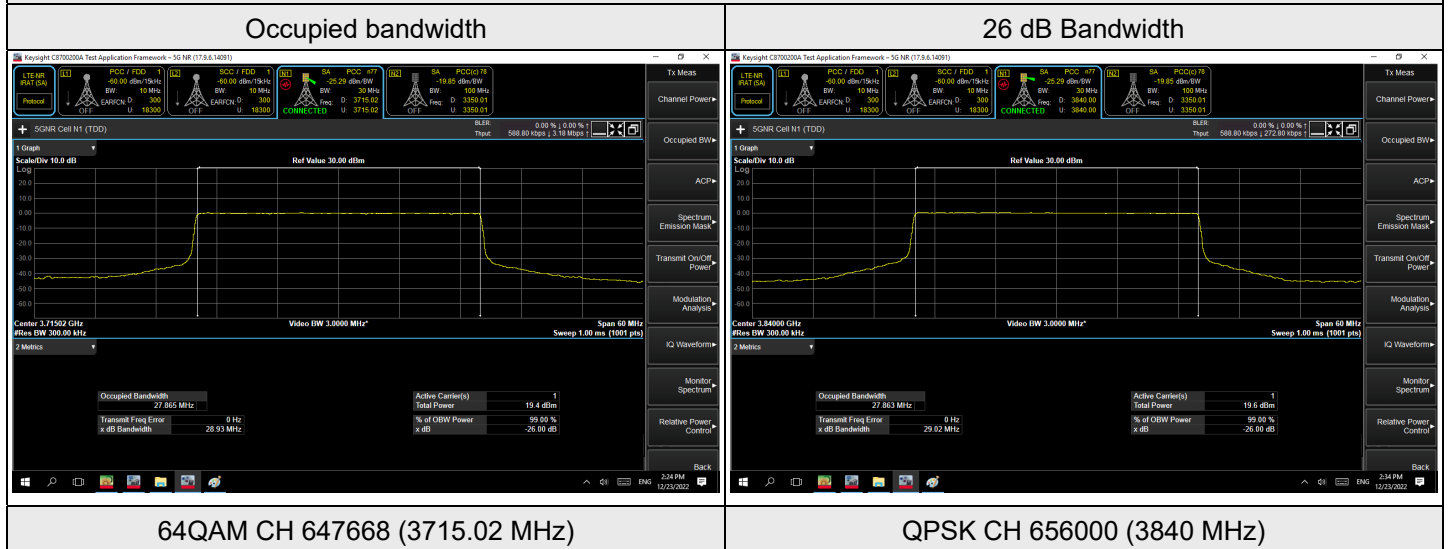
Channel	Frequency (MHz)	Occupied Bandwidth (MHz)					26 dB Bandwidth (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
647334	3710.01	18.09	18.20	18.19	18.20	18.20	18.60	19.09	19.09	19.00	18.97
656000	3840	18.10	18.20	18.19	18.24	18.20	18.67	19.11	19.01	19.16	19.05
665666	3969.99	18.10	18.20	18.19	18.20	18.20	18.57	19.03	19.13	19.12	19.20



**NR n77 (3700-3980 MHz) SCS 30 kHz, Channel Bandwidth: 30 MHz**

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)					26 dB Bandwidth (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
647668	3715.02	27.63	27.86	27.86	27.87	27.85	27.81	29.02	28.95	28.93	28.91
656000	3840	27.65	27.86	27.85	27.86	27.85	27.81	29.02	28.90	28.94	28.90
664332	3964.98	27.62	27.86	27.86	27.86	27.85	27.85	29.01	28.88	28.94	28.90

**Spectrum Plot of Worst Value**

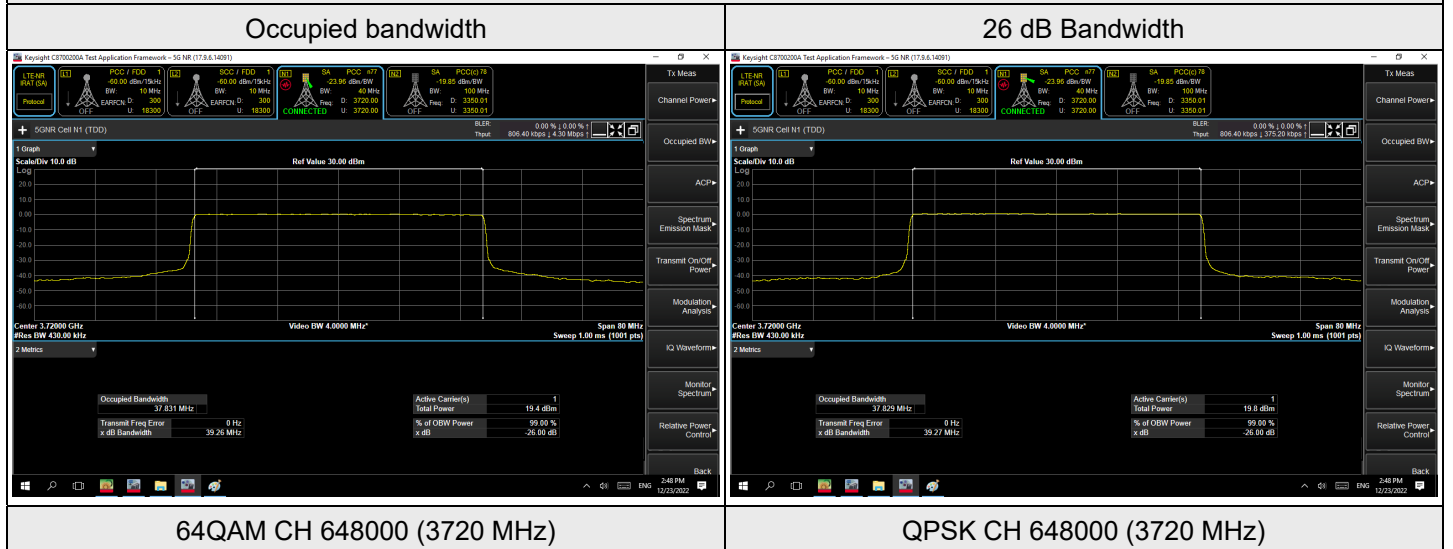




NR n77 (3700-3980 MHz) SCS 30 kHz, Channel Bandwidth: 40 MHz

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)					26 dB Bandwidth (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
648000	3720	37.61	37.83	37.83	37.83	37.83	37.05	39.27	39.26	39.20	39.23
656000	3840	37.62	37.82	37.82	37.83	37.82	37.07	39.26	39.23	39.22	39.21
664000	3960	37.48	37.82	37.82	37.82	37.82	37.07	39.25	39.22	39.22	39.21

Spectrum Plot of Worst Value

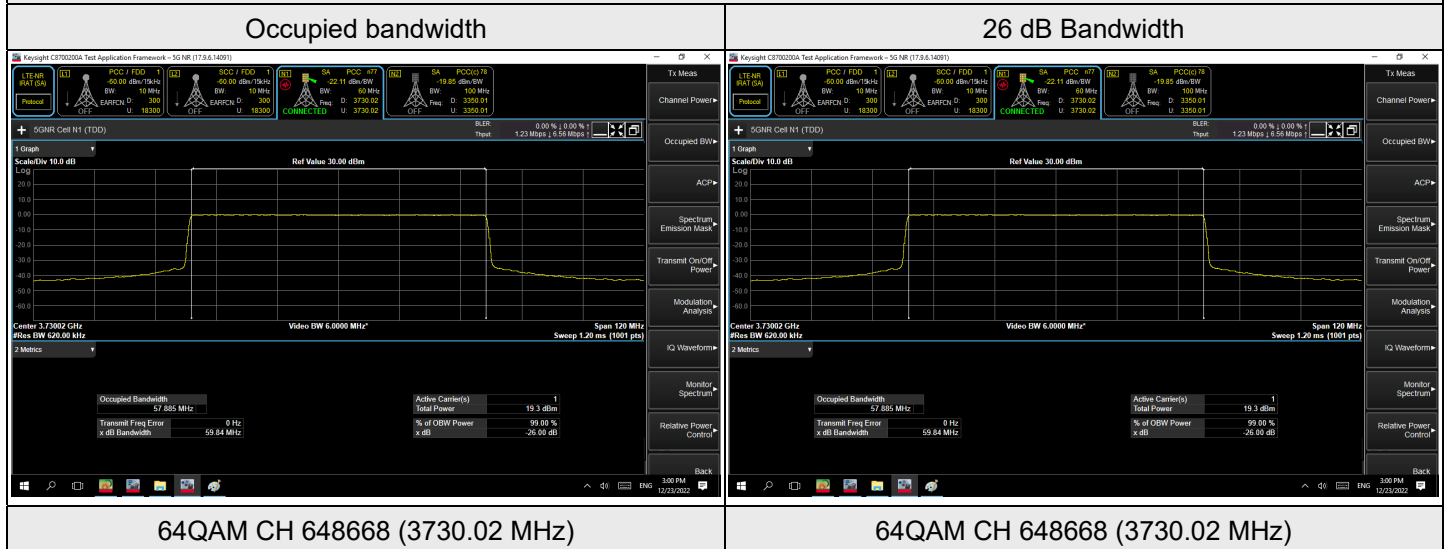




NR n77 (3700-3980 MHz) SCS 30 kHz, Channel Bandwidth: 60 MHz

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)					26 dB Bandwidth (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
648668	3730.02	57.88	57.87	57.87	57.89	57.86	59.80	59.81	59.80	59.84	59.77
656000	3840	57.86	57.86	57.86	57.87	57.84	59.78	59.80	59.79	59.84	59.77
663332	3949.98	57.87	57.86	57.87	57.88	57.85	59.82	59.79	59.79	59.82	59.75

Spectrum Plot of Worst Value

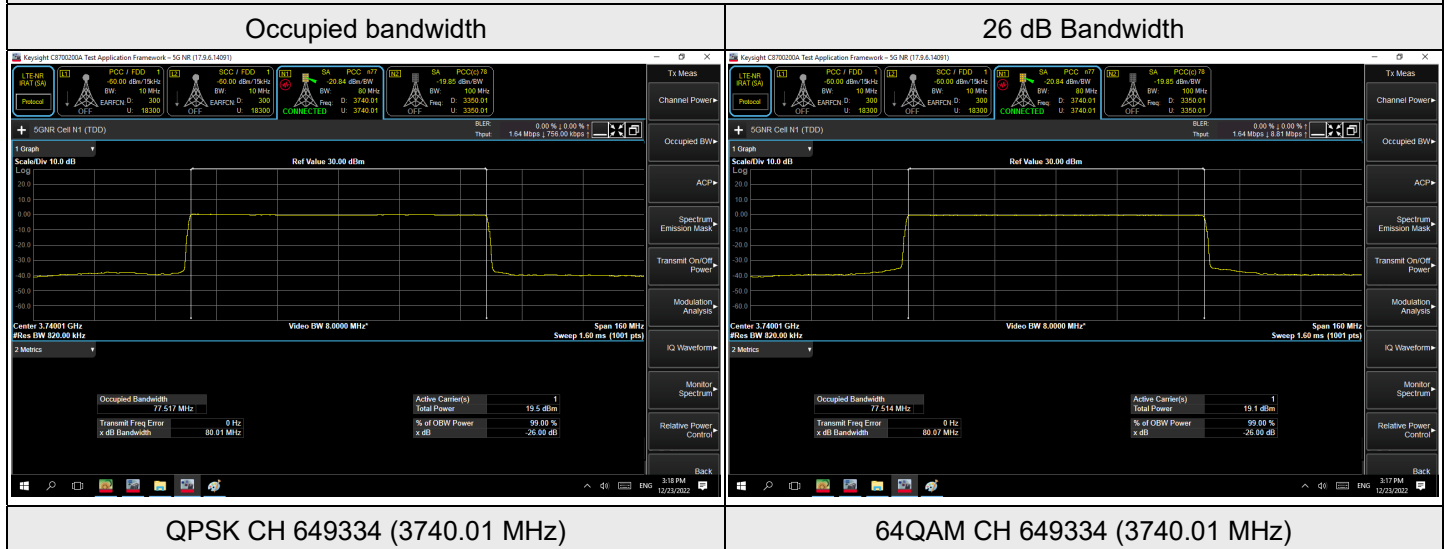




NR n77 (3700-3980 MHz) SCS 30 kHz, Channel Bandwidth: 80 MHz

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)					26 dB Bandwidth (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
649334	3740.01	77.21	77.52	77.52	77.51	77.50	79.69	80.01	80.04	80.07	80.02
656000	3840	77.21	77.19	77.20	77.18	77.17	79.67	79.67	79.68	79.69	79.64
662666	3939.99	77.20	77.18	77.19	77.17	77.17	79.71	79.68	79.68	79.71	79.64

Spectrum Plot of Worst Value





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

Channel	Frequency (MHz)	Occupied Bandwidth (MHz)					26 dB Bandwidth (MHz)				
		BPSK	QPSK	16QAM	64QAM	256QAM	BPSK	QPSK	16QAM	64QAM	256QAM
650000	3750	96.80	97.61	97.40	97.39	97.40	99.74	100.80	100.80	100.80	100.80
656000	3840	96.81	97.38	97.38	97.36	97.37	99.72	100.80	100.80	100.80	100.80
662000	3930	96.83	97.61	97.40	97.38	97.38	99.79	100.80	100.80	100.80	100.80

Spectrum Plot of Worst Value

