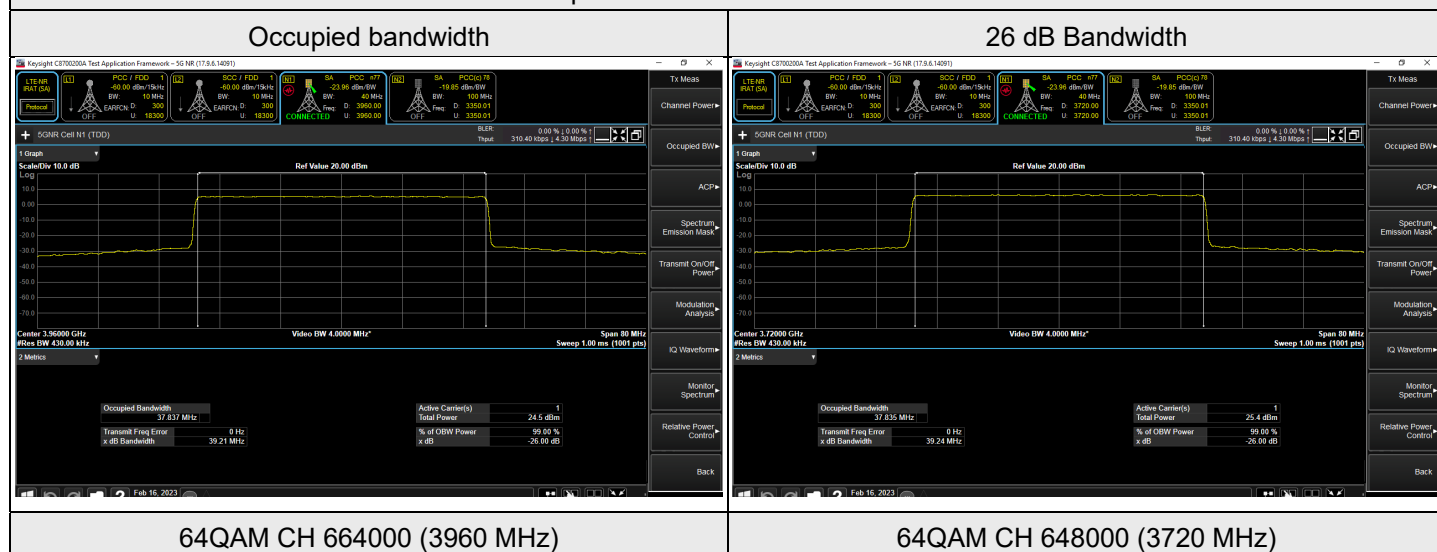


NR n77 (3700-3980 MHz) SCS 30 kHz, Channel Bandwidth: 40 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	648000	3720	37.494	37.06
BPSK	656000	3840	37.500	37.07
BPSK	664000	3960	37.486	37.03
QPSK	648000	3720	37.829	39.20
QPSK	656000	3840	37.826	39.22
QPSK	664000	3960	37.826	39.23
16QAM	648000	3720	37.823	39.23
16QAM	656000	3840	37.825	39.23
16QAM	664000	3960	37.822	39.22
64QAM	648000	3720	37.835	39.24
64QAM	656000	3840	37.834	39.23
64QAM	664000	3960	37.837	39.21
256QAM	648000	3720	37.832	39.20
256QAM	656000	3840	37.831	39.18
256QAM	664000	3960	37.832	39.20

Spectrum Plot of Worst Value



NR n77 (3700-3980 MHz) SCS 30 kHz, Channel Bandwidth: 50 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	648334	3725.01	46.894	47.32
BPSK	656000	3840	47.003	47.32
BPSK	663666	3954.99	47.007	47.34
QPSK	648334	3725.01	47.473	49.15
QPSK	656000	3840	47.468	49.15
QPSK	663666	3954.99	47.473	49.16
16QAM	648334	3725.01	47.467	49.15
16QAM	656000	3840	47.470	49.14
16QAM	663666	3954.99	47.468	49.16
64QAM	648334	3725.01	47.481	49.16
64QAM	656000	3840	47.477	49.15
64QAM	663666	3954.99	47.483	49.18
256QAM	648334	3725.01	47.469	49.12
256QAM	656000	3840	47.465	49.13
256QAM	663666	3954.99	47.467	49.12

Spectrum Plot of Worst Value

Occupied bandwidth



64QAM CH 663666 (3954.99 MHz)

26 dB Bandwidth



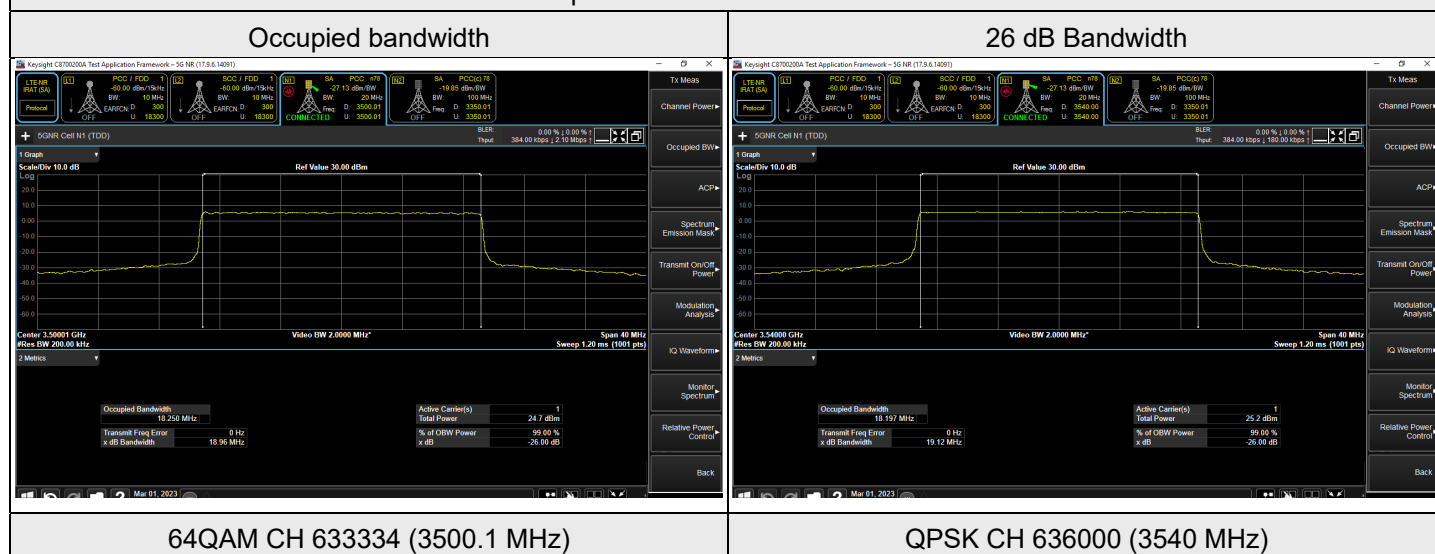
64QAM CH 663666 (3954.99 MHz)

7.4.7 NR n78 SCS 30 kHz

NR n78 SCS 30 kHz, Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	630668	3460.2	18.026	18.62
BPSK	633334	3500.1	18.029	18.61
BPSK	636000	3540	18.038	18.54
QPSK	630668	3460.2	18.199	18.93
QPSK	633334	3500.1	18.197	18.98
QPSK	636000	3540	18.197	19.12
16QAM	630668	3460.2	18.191	19.03
16QAM	633334	3500.1	18.193	19.01
16QAM	636000	3540	18.240	19.01
64QAM	630668	3460.2	18.247	19.10
64QAM	633334	3500.1	18.250	18.96
64QAM	636000	3540	18.248	18.99
256QAM	630668	3460.2	18.243	19.01
256QAM	633334	3500.1	18.246	18.98
256QAM	636000	3540	18.244	18.93

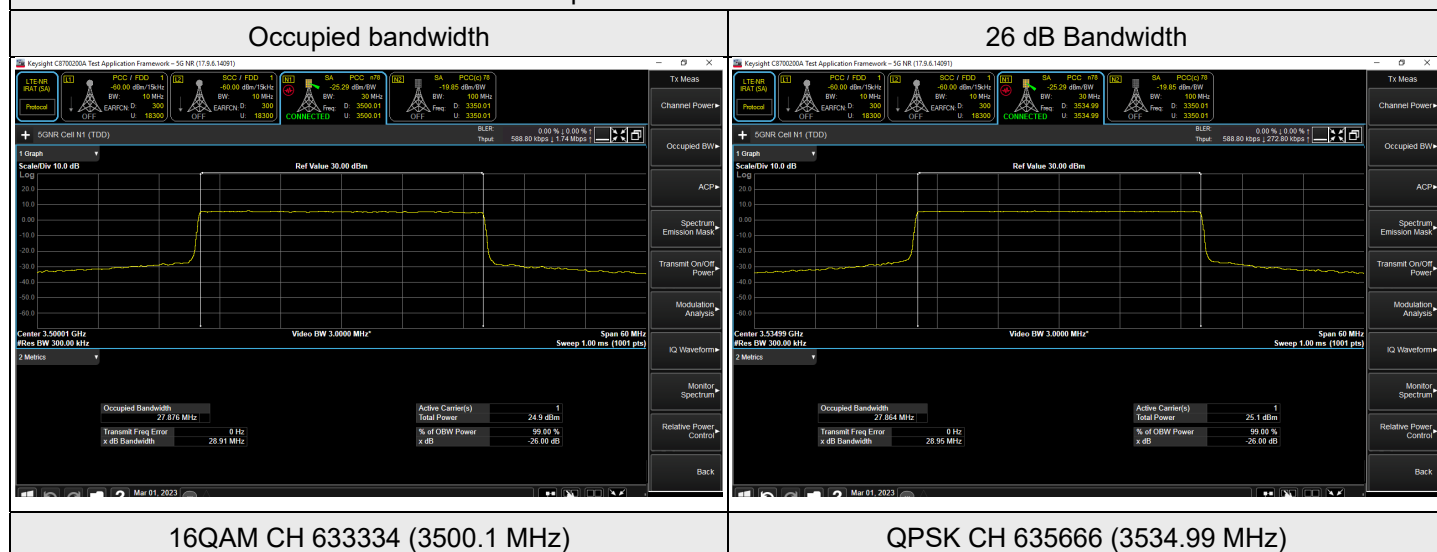
Spectrum Plot of Worst Value



NR n78 SCS 30 kHz, Channel Bandwidth: 30 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	631000	3465	27.733	27.79
BPSK	633334	3500.1	27.761	27.77
BPSK	635666	3534.99	27.627	27.82
QPSK	631000	3465	27.862	28.89
QPSK	633334	3500.1	27.865	28.86
QPSK	635666	3534.99	27.864	28.95
16QAM	631000	3465	27.872	28.9
16QAM	633334	3500.1	27.876	28.91
16QAM	635666	3534.99	27.866	28.88
64QAM	631000	3465	27.863	28.92
64QAM	633334	3500.1	27.870	28.92
64QAM	635666	3534.99	27.861	28.86
256QAM	631000	3465	27.864	28.86
256QAM	633334	3500.1	27.868	28.87
256QAM	635666	3534.99	27.876	28.89

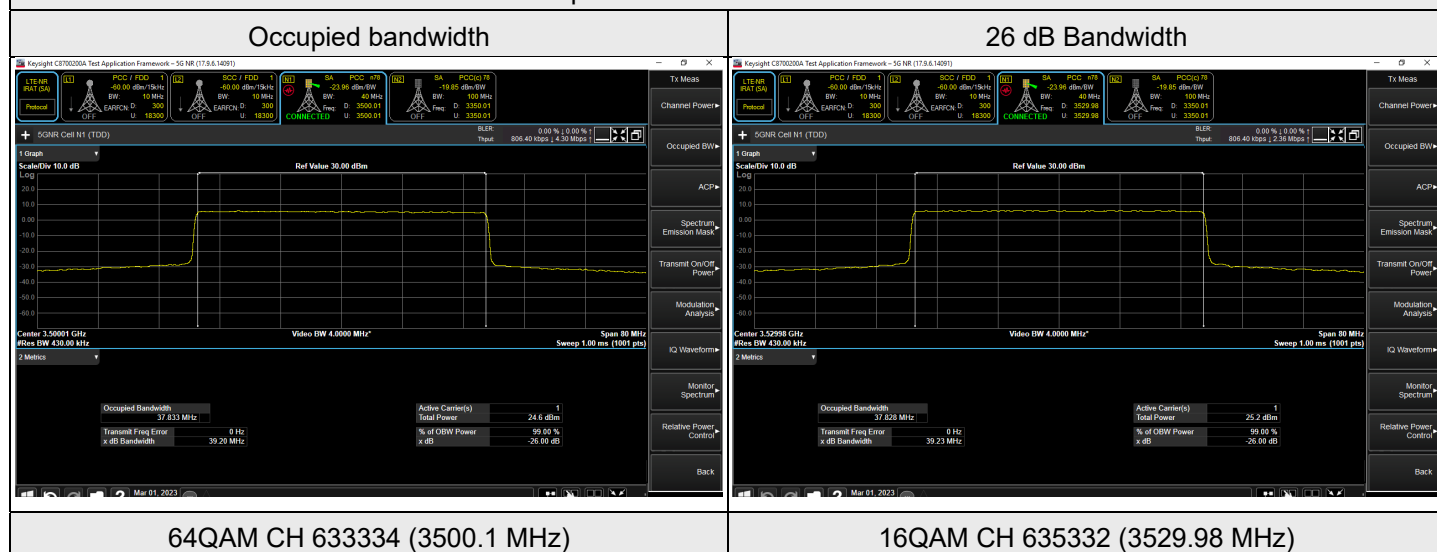
Spectrum Plot of Worst Value



NR n78 SCS 30 kHz, Channel Bandwidth: 40 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	631334	3470.1	37.497	37.06
BPSK	633334	3500.1	37.508	37.04
BPSK	635332	3529.98	37.458	37.02
QPSK	631334	3470.1	37.822	39.20
QPSK	633334	3500.1	37.832	39.22
QPSK	635332	3529.98	37.827	39.22
16QAM	631334	3470.1	37.828	39.21
16QAM	633334	3500.1	37.829	39.22
16QAM	635332	3529.98	37.828	39.23
64QAM	631334	3470.1	37.828	39.19
64QAM	633334	3500.1	37.833	39.20
64QAM	635332	3529.98	37.828	39.20
256QAM	631334	3470.1	37.812	39.19
256QAM	633334	3500.1	37.821	39.21
256QAM	635332	3529.98	37.812	39.22

Spectrum Plot of Worst Value



NR n78 SCS 30 kHz, Channel Bandwidth: 50 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	631668	3475.02	47.054	47.28
BPSK	633334	3500.01	47.059	47.29
BPSK	635000	3525	47.023	47.29
QPSK	631668	3475.02	47.468	49.14
QPSK	633334	3500.01	47.483	49.14
QPSK	635000	3525	47.473	49.15
16QAM	631668	3475.02	47.461	49.10
16QAM	633334	3500.01	47.478	49.12
16QAM	635000	3525	47.464	49.12
64QAM	631668	3475.02	47.468	49.12
64QAM	633334	3500.01	47.481	49.12
64QAM	635000	3525	47.472	49.13
256QAM	631668	3475.02	47.458	49.09
256QAM	633334	3500.01	47.468	49.13
256QAM	635000	3525	47.463	49.12

Spectrum Plot of Worst Value

Occupied bandwidth



QPSK CH 633334 (3500.01 MHz)

26 dB Bandwidth

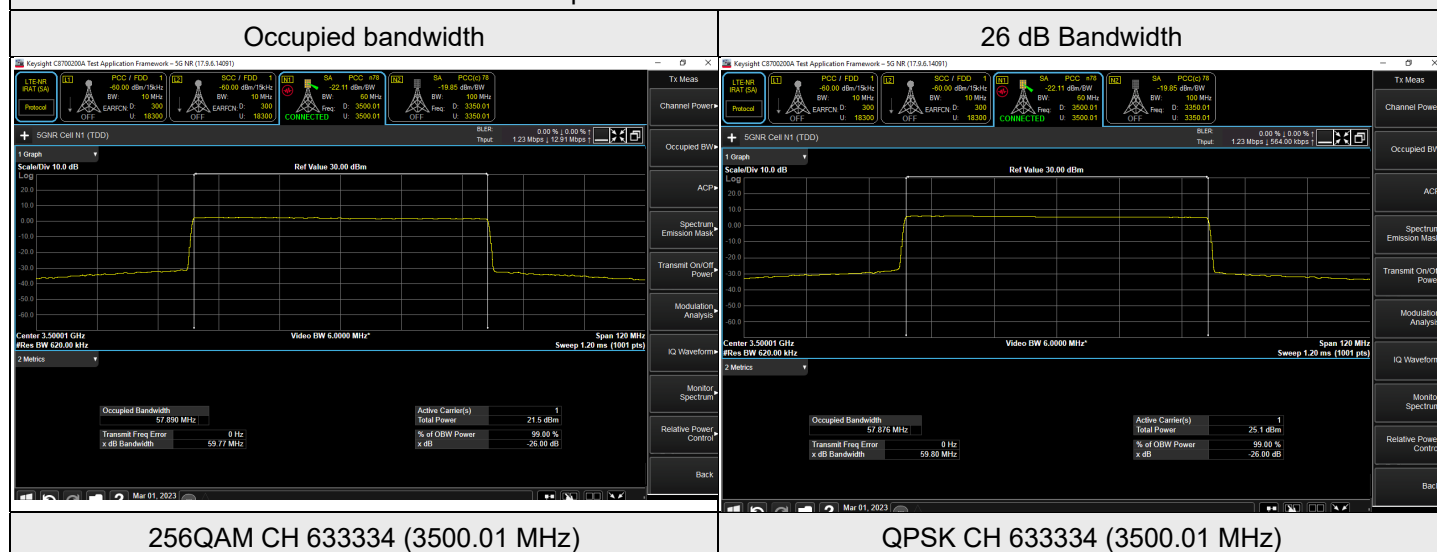


QPSK CH 635000 (3525 MHz)

NR n78 SCS 30 kHz, Channel Bandwidth: 60 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	632000	3480	57.852	59.75
BPSK	633334	3500.01	57.867	59.75
BPSK	634666	3519.99	57.861	59.74
QPSK	632000	3480	57.860	59.8
QPSK	633334	3500.01	57.876	59.8
QPSK	634666	3519.99	57.871	59.8
16QAM	632000	3480	57.871	59.77
16QAM	633334	3500.01	57.880	59.78
16QAM	634666	3519.99	57.872	59.8
64QAM	632000	3480	57.853	59.79
64QAM	633334	3500.01	57.872	59.79
64QAM	634666	3519.99	57.866	59.79
256QAM	632000	3480	57.877	59.77
256QAM	633334	3500.01	57.890	59.77
256QAM	634666	3519.99	57.882	59.78

Spectrum Plot of Worst Value

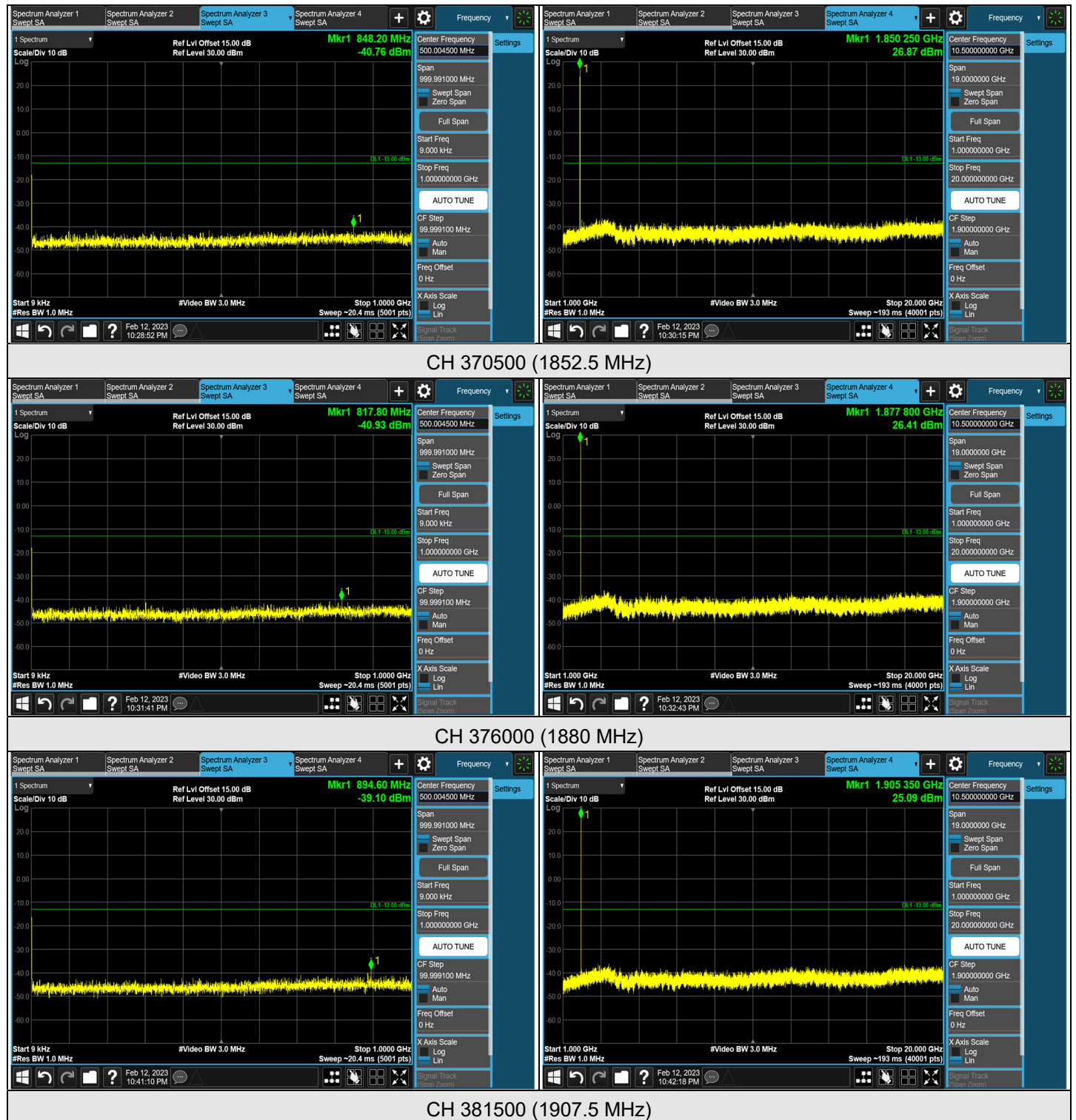


7.5 Conducted Spurious Emissions

Input Power:	3.85 Vdc	Environmental Conditions:	25°C, 66% RH	Tested By:	Noah Chang
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7.5.1 NR n2 SCS 15 kHz

NR n2 SCS 15 kHz, Channel Bandwidth: 5 MHz



*The 9kHz signal over the limit is from Spectrum.



1RB CH 370500 (1852.5 MHz)

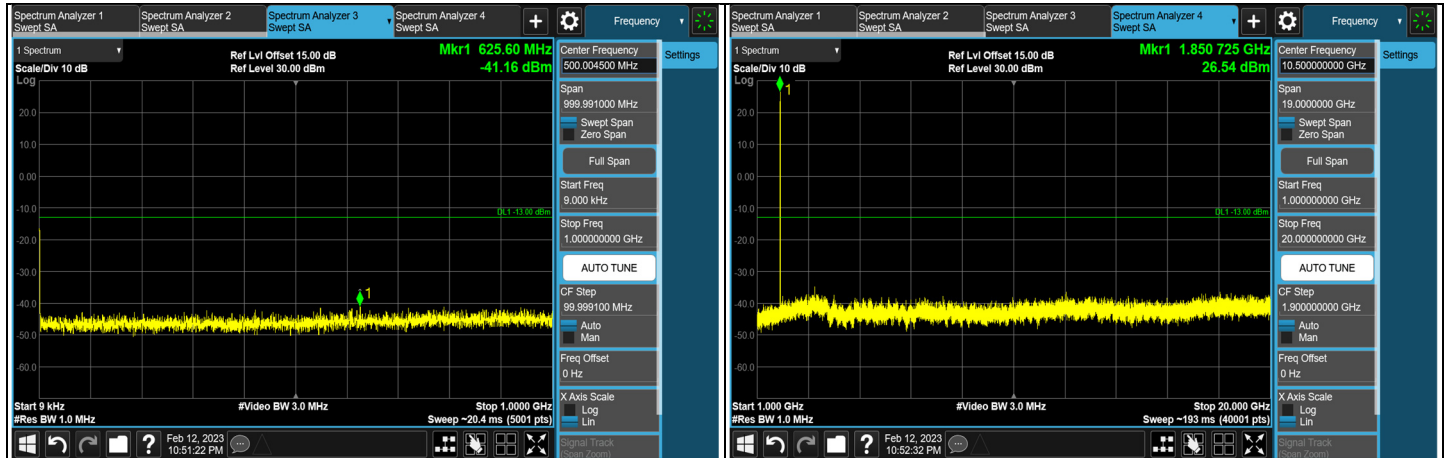
1RB CH 381500 (1907.5 MHz)



FULL CH 370500 (1852.5 MHz)

FULL CH 381500 (1907.5 MHz)

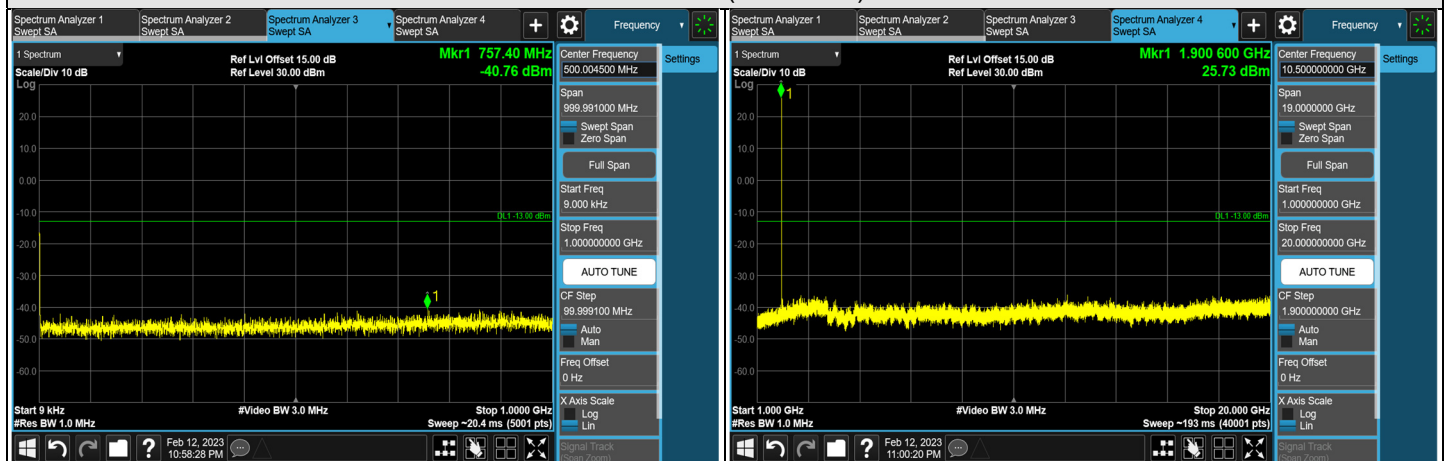
NR n2 SCS 15 kHz, Channel Bandwidth: 10 MHz



CH 371000 (1855 MHz)



CH 376000 (1880 MHz)



CH 381000 (1905 MHz)

*The 9kHz signal over the limit is from Spectrum.



1RB CH 371000 (1855 MHz)



1RB CH 381000 (1905 MHz)



FULL CH 371000 (1855 MHz)



FULL CH 381000 (1905 MHz)