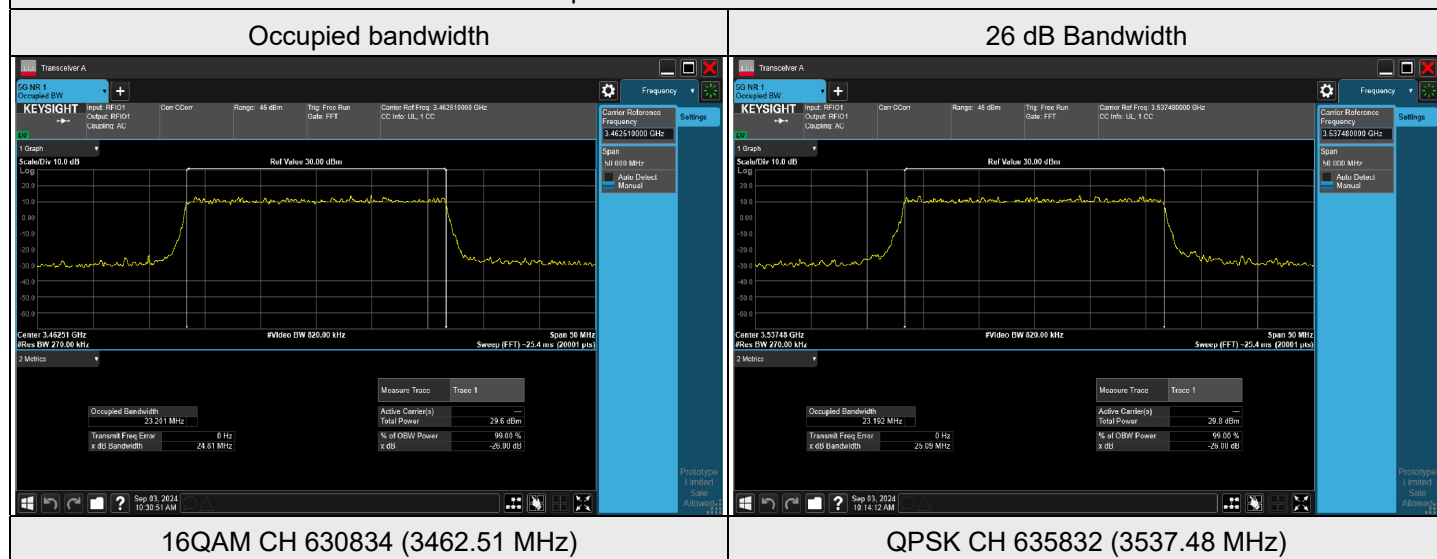


NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) - MIMO-Ant 3, Channel Bandwidth: 25 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	630834	3462.51	23.090	24.50
BPSK	633334	3500.01	23.071	24.66
BPSK	635832	3537.48	23.146	24.43
QPSK	630834	3462.51	23.165	24.86
QPSK	633334	3500.01	23.186	24.63
QPSK	635832	3537.48	23.192	25.09
16QAM	630834	3462.51	23.201	24.81
16QAM	633334	3500.01	23.176	24.81
16QAM	635832	3537.48	23.182	24.68
64QAM	630834	3462.51	23.157	24.75
64QAM	633334	3500.01	23.146	24.57
64QAM	635832	3537.48	23.167	24.92
256QAM	630834	3462.51	23.186	24.60
256QAM	633334	3500.01	23.185	24.98
256QAM	635832	3537.48	23.192	24.85

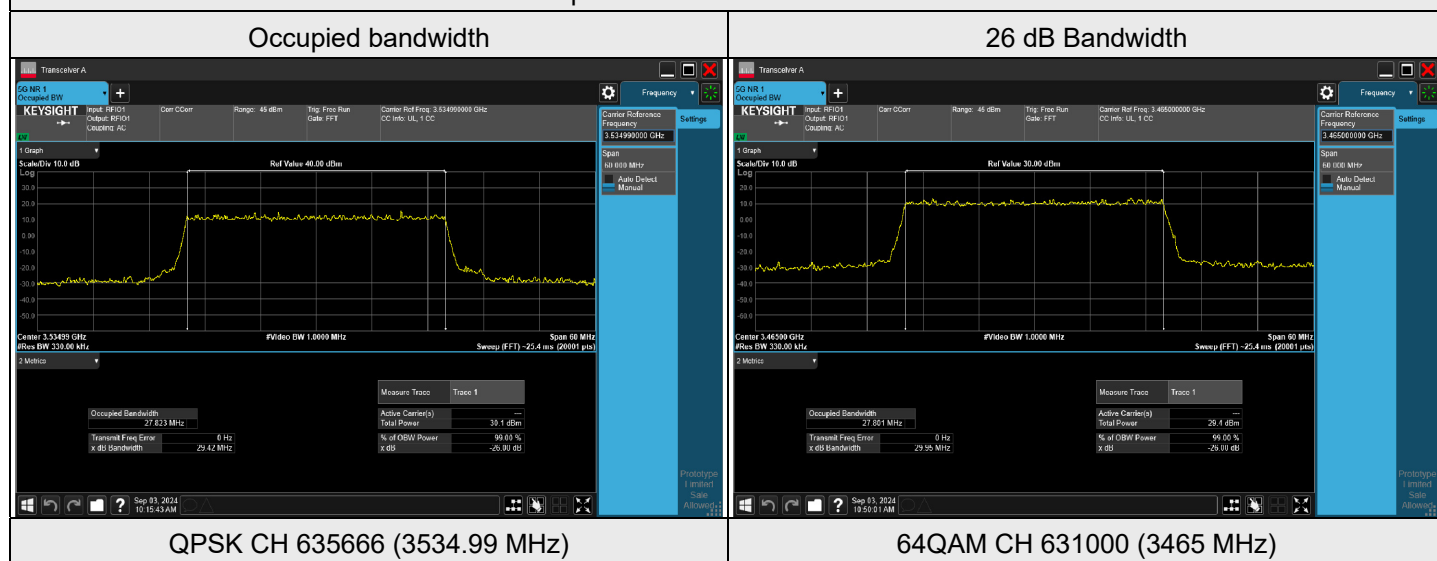
Spectrum Plot of Worst Value



NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) - MIMO-Ant 3, Channel Bandwidth: 30 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	631000	3465	27.570	28.61
BPSK	633334	3500.01	27.554	28.58
BPSK	635666	3534.99	27.594	28.47
QPSK	631000	3465	27.822	29.66
QPSK	633334	3500.01	27.798	29.57
QPSK	635666	3534.99	27.823	29.42
16QAM	631000	3465	27.771	29.25
16QAM	633334	3500.01	27.746	29.24
16QAM	635666	3534.99	27.770	29.32
64QAM	631000	3465	27.801	29.95
64QAM	633334	3500.01	27.787	29.74
64QAM	635666	3534.99	27.800	29.66
256QAM	631000	3465	27.787	29.48
256QAM	633334	3500.01	27.769	29.44
256QAM	635666	3534.99	27.794	29.51

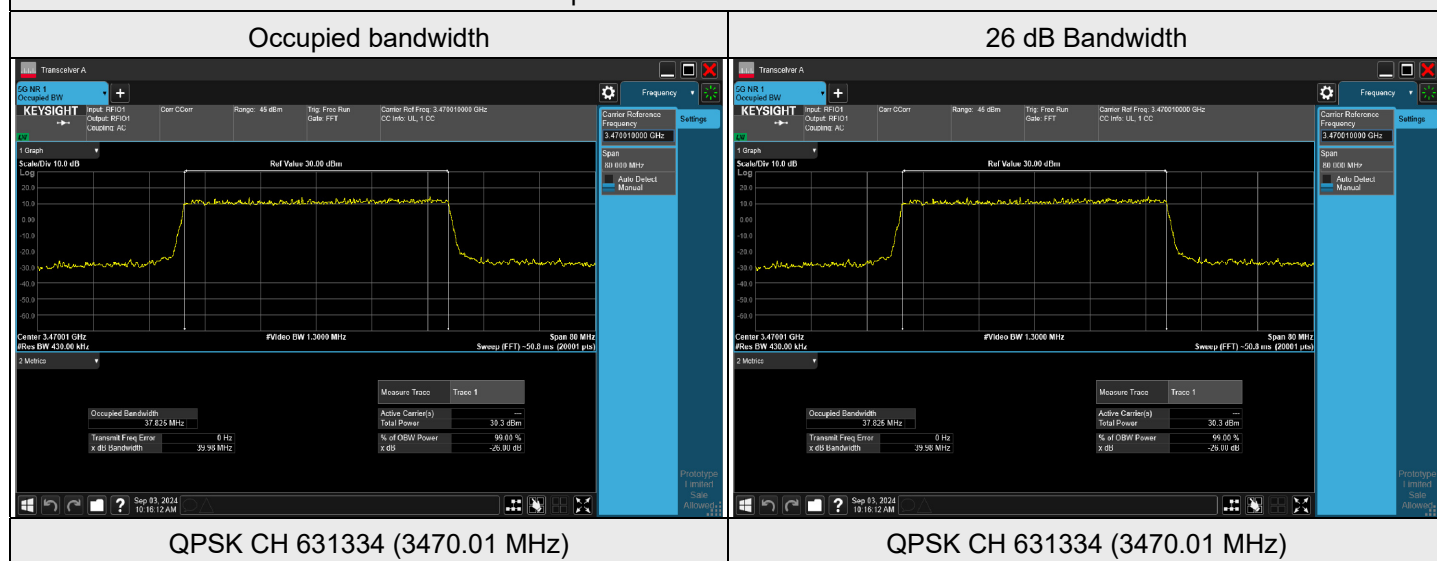
Spectrum Plot of Worst Value



NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) - MIMO-Ant 3, Channel Bandwidth: 40 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	631334	3470.01	37.275	37.61
BPSK	633334	3500.01	37.308	37.84
BPSK	635332	3529.98	37.499	37.59
QPSK	631334	3470.01	37.825	39.98
QPSK	633334	3500.01	37.787	39.87
QPSK	635332	3529.98	37.803	39.88
16QAM	631334	3470.01	37.753	39.63
16QAM	633334	3500.01	37.700	39.54
16QAM	635332	3529.98	37.732	39.71
64QAM	631334	3470.01	37.755	39.98
64QAM	633334	3500.01	37.689	39.98
64QAM	635332	3529.98	37.731	39.94
256QAM	631334	3470.01	37.650	39.69
256QAM	633334	3500.01	37.681	39.85
256QAM	635332	3529.98	37.698	39.90

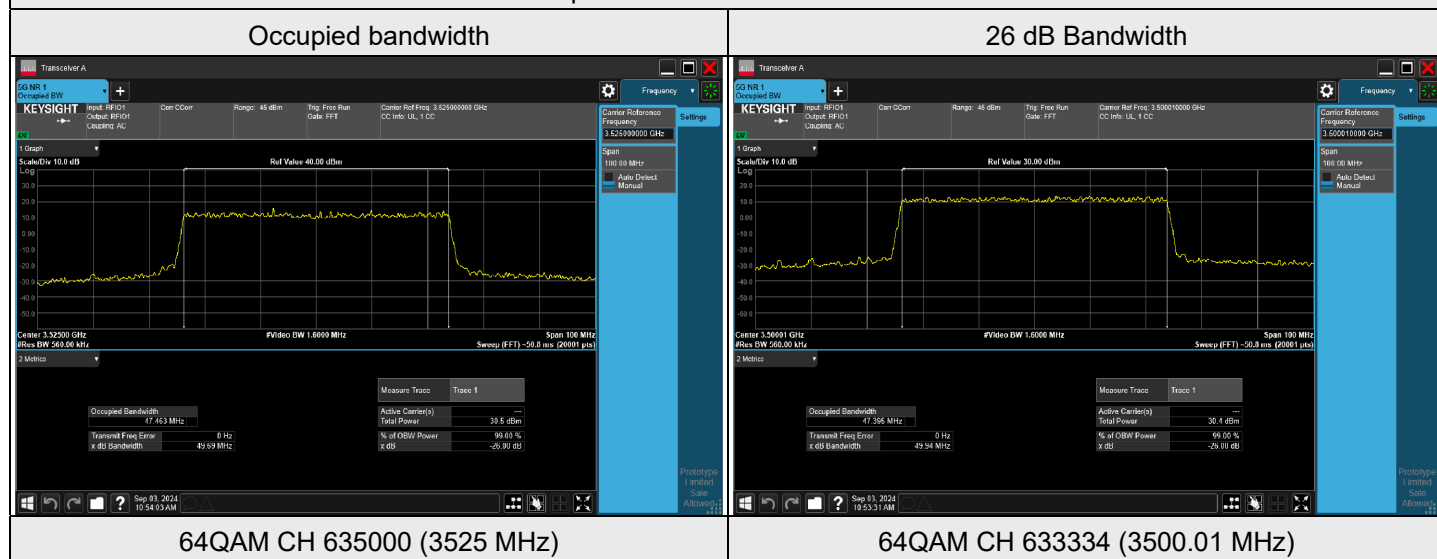
Spectrum Plot of Worst Value



NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) - MIMO-Ant 3, Channel Bandwidth: 50 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	631668	3475.02	46.841	47.97
BPSK	633334	3500.01	46.792	48.03
BPSK	635000	3525	47.015	47.96
QPSK	631668	3475.02	47.392	49.75
QPSK	633334	3500.01	47.294	49.68
QPSK	635000	3525	47.413	49.70
16QAM	631668	3475.02	47.364	49.79
16QAM	633334	3500.01	47.333	49.53
16QAM	635000	3525	47.384	49.62
64QAM	631668	3475.02	47.403	49.80
64QAM	633334	3500.01	47.395	49.94
64QAM	635000	3525	47.463	49.69
256QAM	631668	3475.02	47.355	49.93
256QAM	633334	3500.01	47.295	49.81
256QAM	635000	3525	47.394	49.93

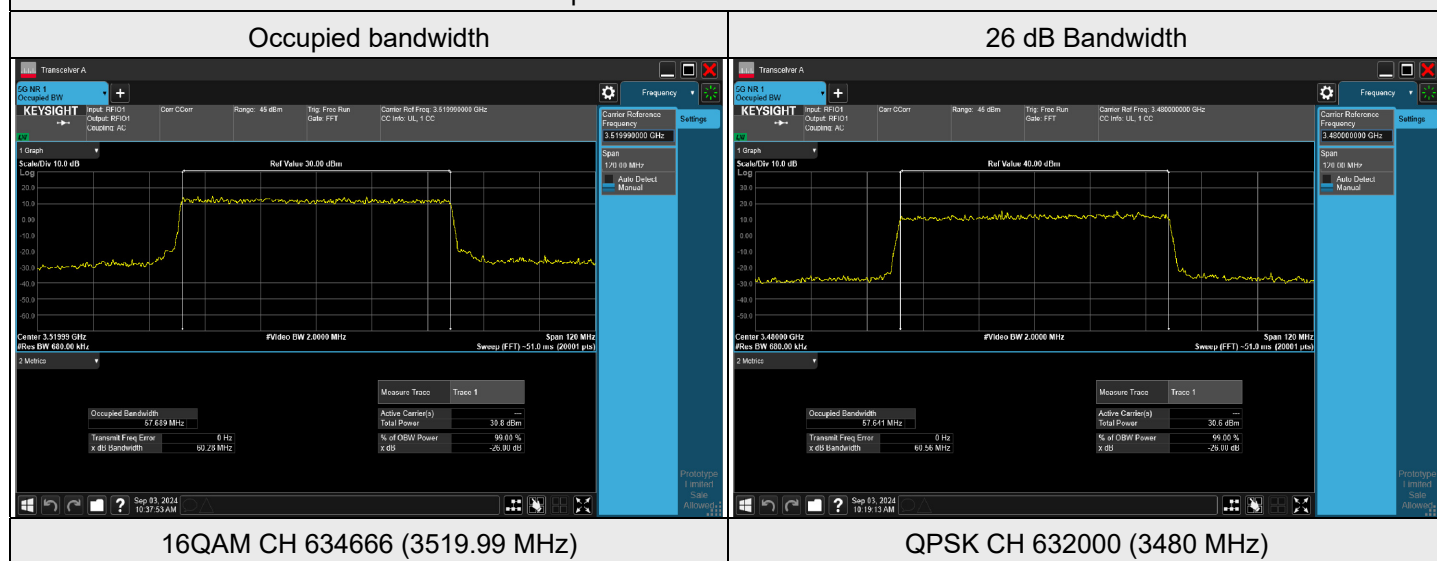
Spectrum Plot of Worst Value



NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) - MIMO-Ant 3, Channel Bandwidth: 60 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	632000	3480	57.651	60.42
BPSK	633334	3500.01	57.545	60.37
BPSK	634666	3519.99	57.628	60.26
QPSK	632000	3480	57.641	60.56
QPSK	633334	3500.01	57.684	60.36
QPSK	634666	3519.99	57.663	60.54
16QAM	632000	3480	57.651	60.23
16QAM	633334	3500.01	57.602	60.21
16QAM	634666	3519.99	57.689	60.28
64QAM	632000	3480	57.626	60.35
64QAM	633334	3500.01	57.617	60.20
64QAM	634666	3519.99	57.660	60.44
256QAM	632000	3480	57.654	60.15
256QAM	633334	3500.01	57.592	60.14
256QAM	634666	3519.99	57.625	60.13

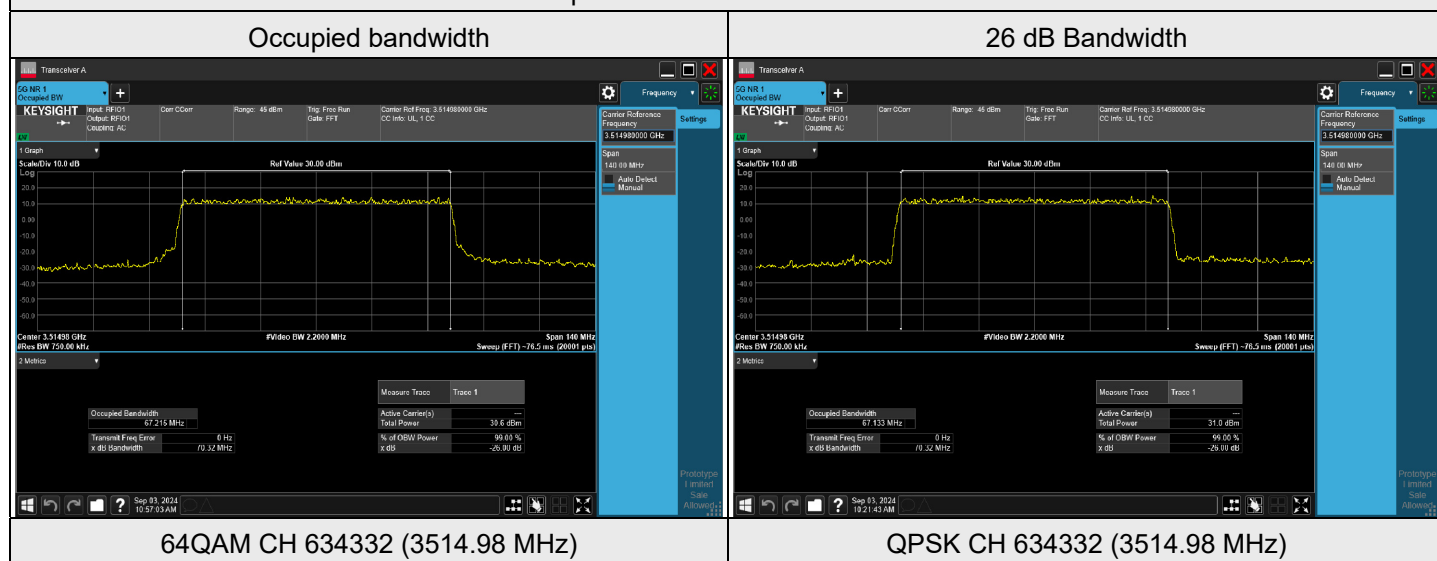
Spectrum Plot of Worst Value



NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) - MIMO-Ant 3, Channel Bandwidth: 70 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	632334	3485.01	66.866	67.06
BPSK	633334	3500.01	66.697	66.97
BPSK	634332	3514.98	66.795	66.79
QPSK	632334	3485.01	67.095	70.07
QPSK	633334	3500.01	67.077	70.20
QPSK	634332	3514.98	67.133	70.32
16QAM	632334	3485.01	67.178	69.86
16QAM	633334	3500.01	67.161	69.86
16QAM	634332	3514.98	67.192	69.97
64QAM	632334	3485.01	67.165	70.15
64QAM	633334	3500.01	67.089	70.21
64QAM	634332	3514.98	67.215	70.32
256QAM	632334	3485.01	67.176	70.13
256QAM	633334	3500.01	67.123	69.85
256QAM	634332	3514.98	67.150	69.93

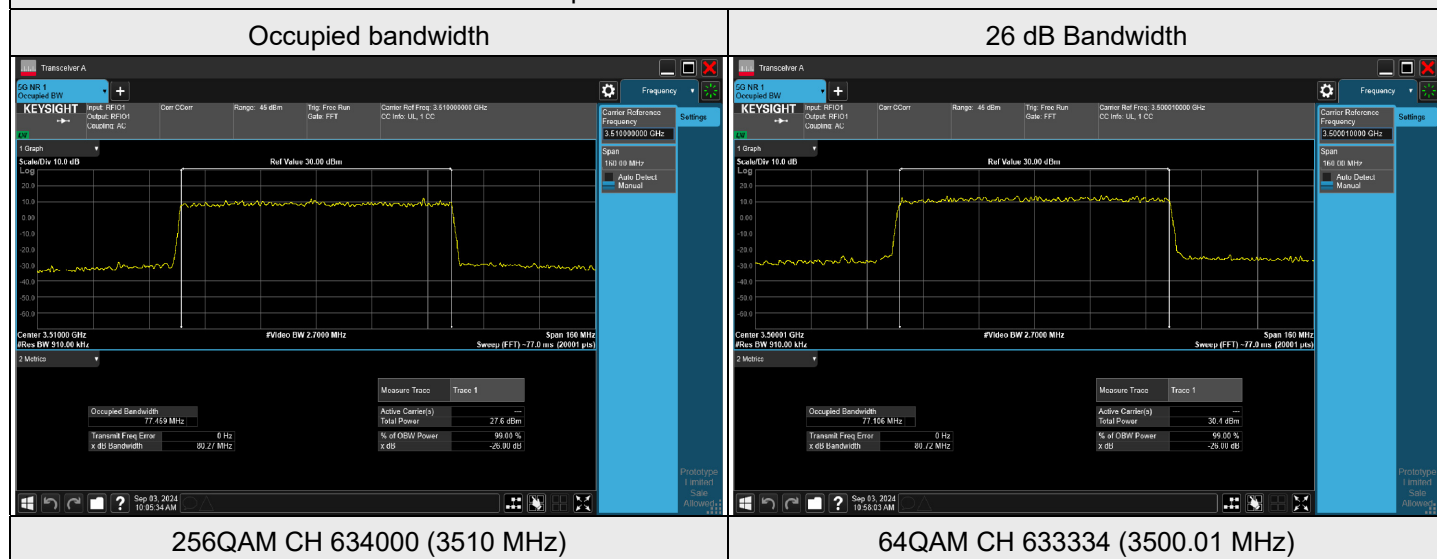
Spectrum Plot of Worst Value



NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) - MIMO-Ant 3, Channel Bandwidth: 80 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	632668	3490.02	76.886	80.21
BPSK	633334	3500.01	76.770	80.17
BPSK	634000	3510	76.964	79.93
QPSK	632668	3490.02	77.106	80.44
QPSK	633334	3500.01	77.093	80.16
QPSK	634000	3510	77.222	80.09
16QAM	632668	3490.02	77.253	80.31
16QAM	633334	3500.01	77.268	80.26
16QAM	634000	3510	77.272	80.43
64QAM	632668	3490.02	77.107	80.34
64QAM	633334	3500.01	77.106	80.72
64QAM	634000	3510	77.139	80.47
256QAM	632668	3490.02	77.442	80.02
256QAM	633334	3500.01	77.442	80.18
256QAM	634000	3510	77.459	80.27

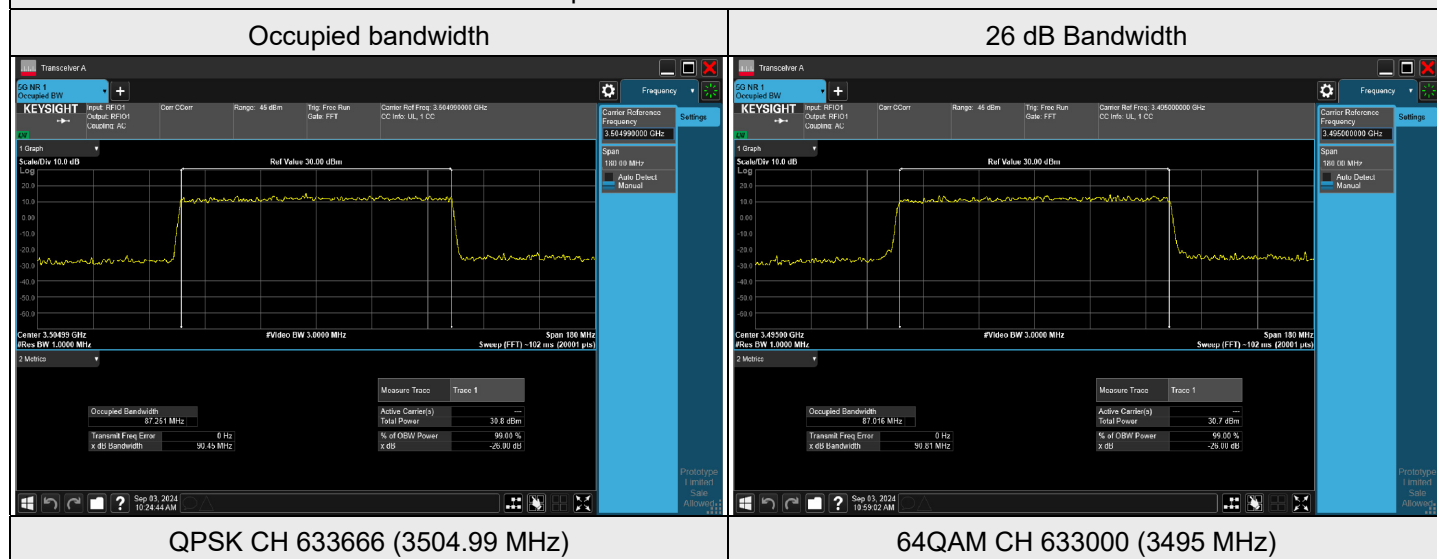
Spectrum Plot of Worst Value



NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) - MIMO-Ant 3, Channel Bandwidth: 90 MHz

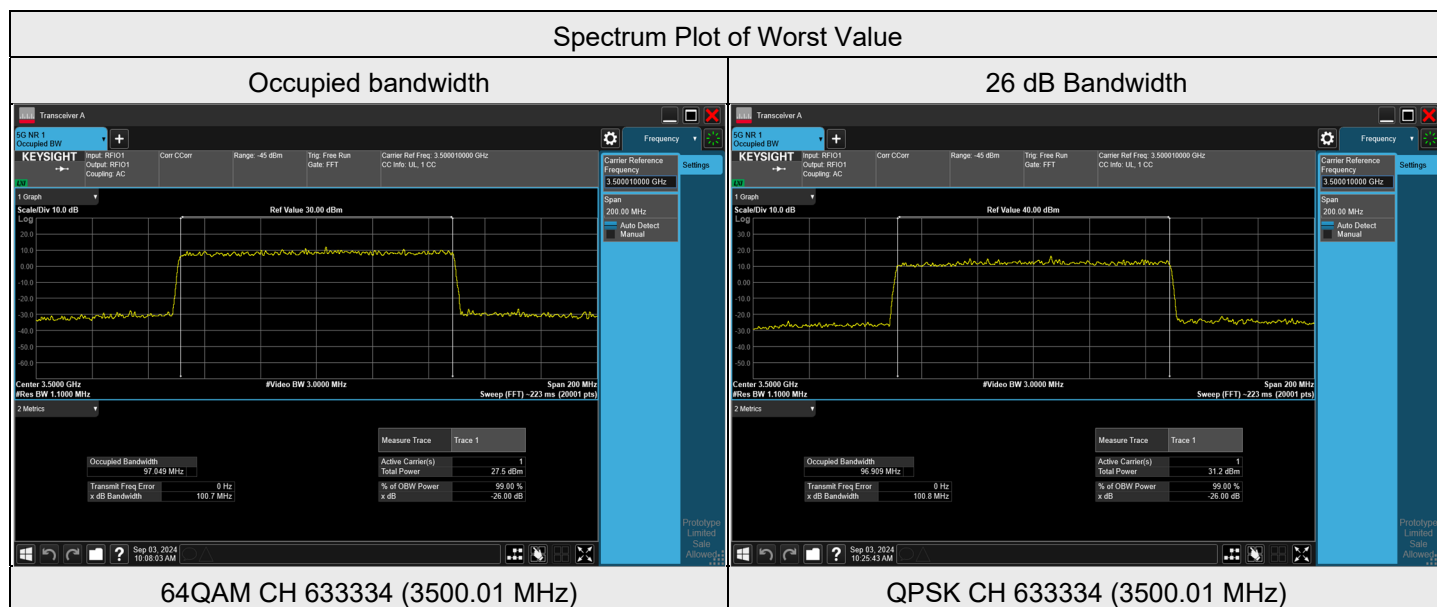
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	633000	3495	86.694	90.07
BPSK	633334	3500.01	86.588	90.26
BPSK	633666	3504.99	86.565	90.10
QPSK	633000	3495	87.107	90.54
QPSK	633334	3500.01	87.158	90.39
QPSK	633666	3504.99	87.251	90.45
16QAM	633000	3495	87.049	90.53
16QAM	633334	3500.01	87.093	90.64
16QAM	633666	3504.99	87.037	90.50
64QAM	633000	3495	87.016	90.81
64QAM	633334	3500.01	87.034	90.54
64QAM	633666	3504.99	87.072	90.58
256QAM	633000	3495	86.943	90.70
256QAM	633334	3500.01	86.965	90.78
256QAM	633666	3504.99	87.070	90.49

Spectrum Plot of Worst Value



NR n78 SCS 30 kHz (3.45 GHz ~ 3.55 GHz) - MIMO-Ant 3, Channel Bandwidth: 100 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	633334	3500.01	95.887	99.64
QPSK	633334	3500.01	96.909	100.8
16QAM	633334	3500.01	97.020	100.7
64QAM	633334	3500.01	97.049	100.7
256QAM	633334	3500.01	97.049	100.7

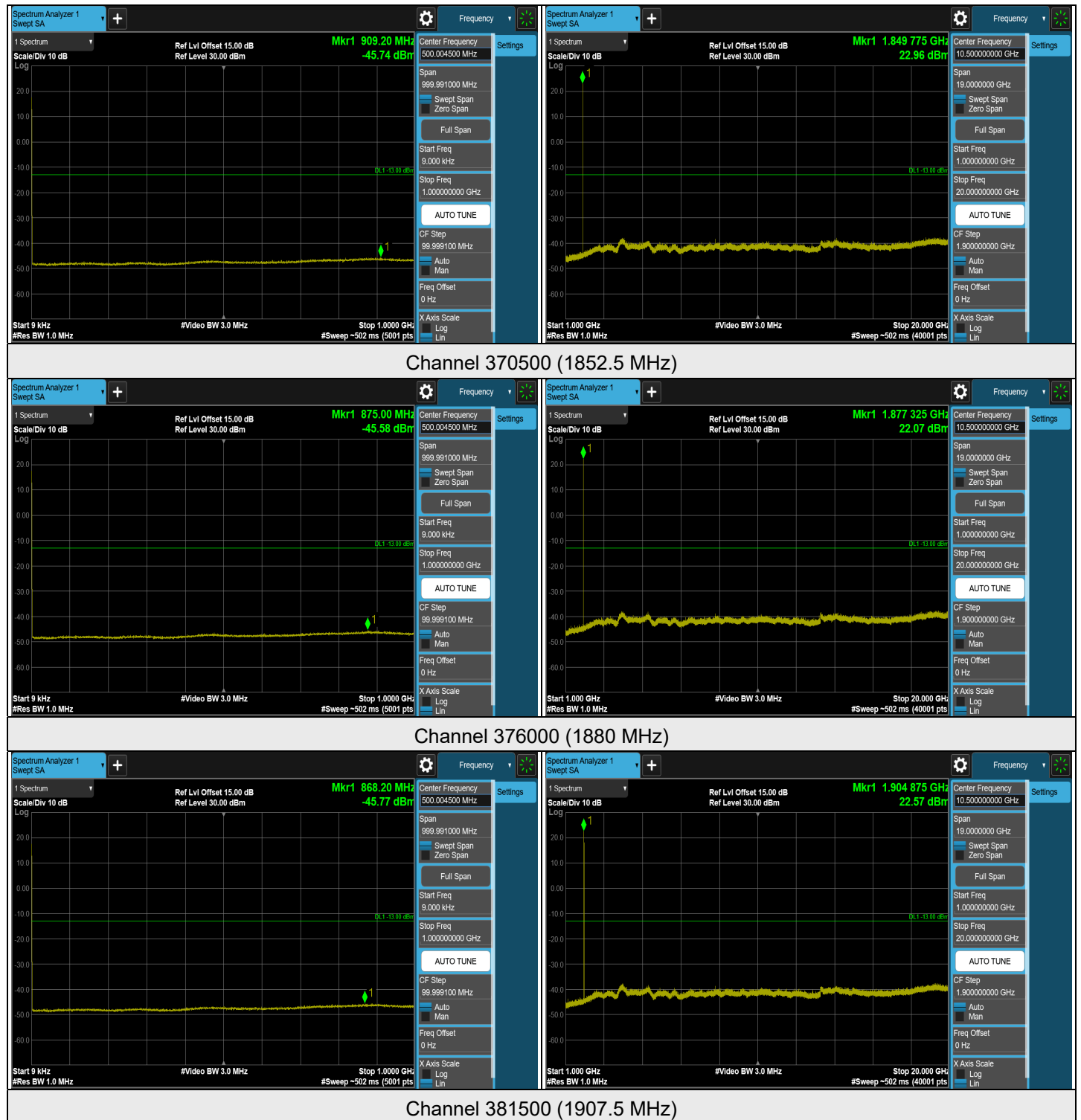


7.5 Conducted Spurious Emissions

Input Power:	3.8 Vdc	Environmental Conditions:	21°C, 72% RH	Tested By:	James Yang
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7.5.1 NR n2 SCS 15 kHz

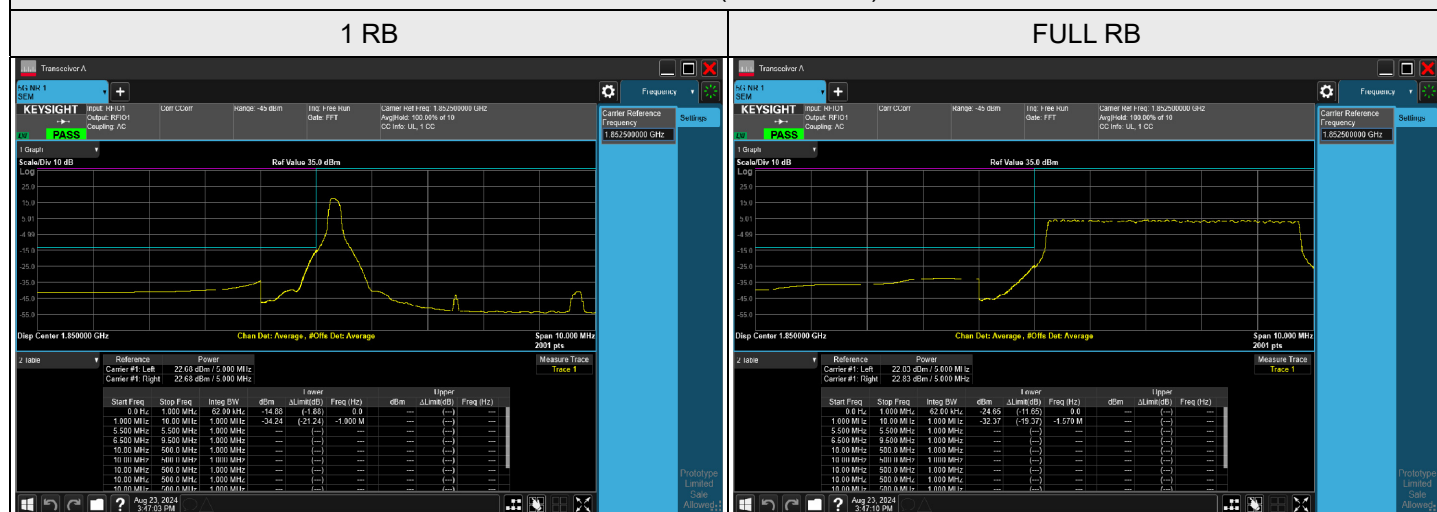
NR n2 SCS 15 kHz, Channel Bandwidth: 5 MHz



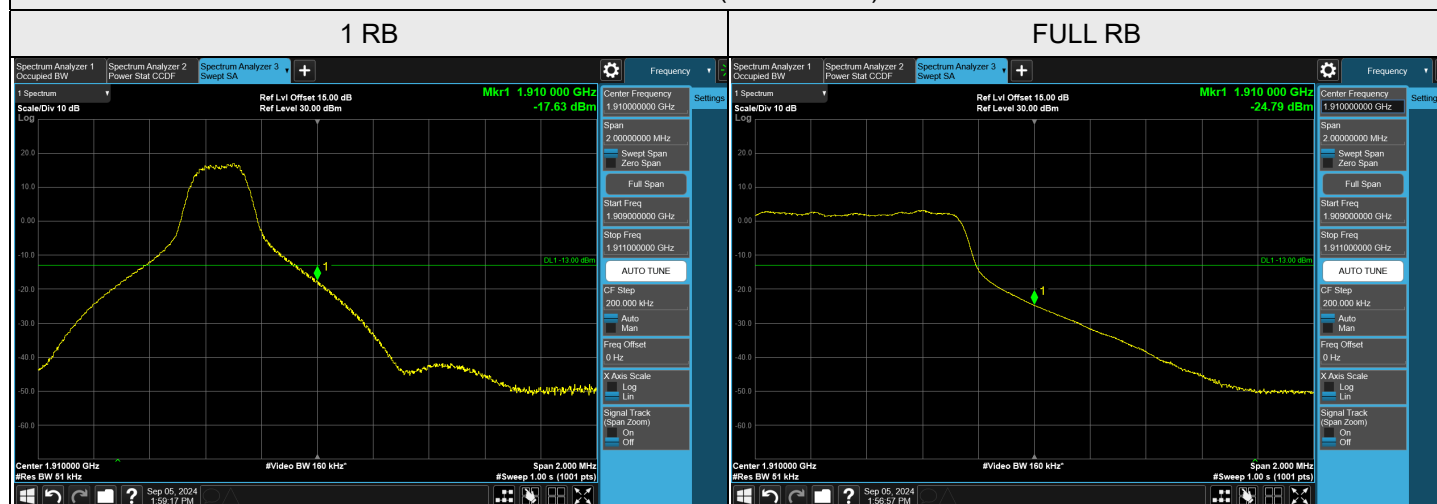
Note: The signal at 9 kHz is IF signal from spectrum analyzer.

NR n2 SCS 15 kHz, Channel Bandwidth: 5 MHz

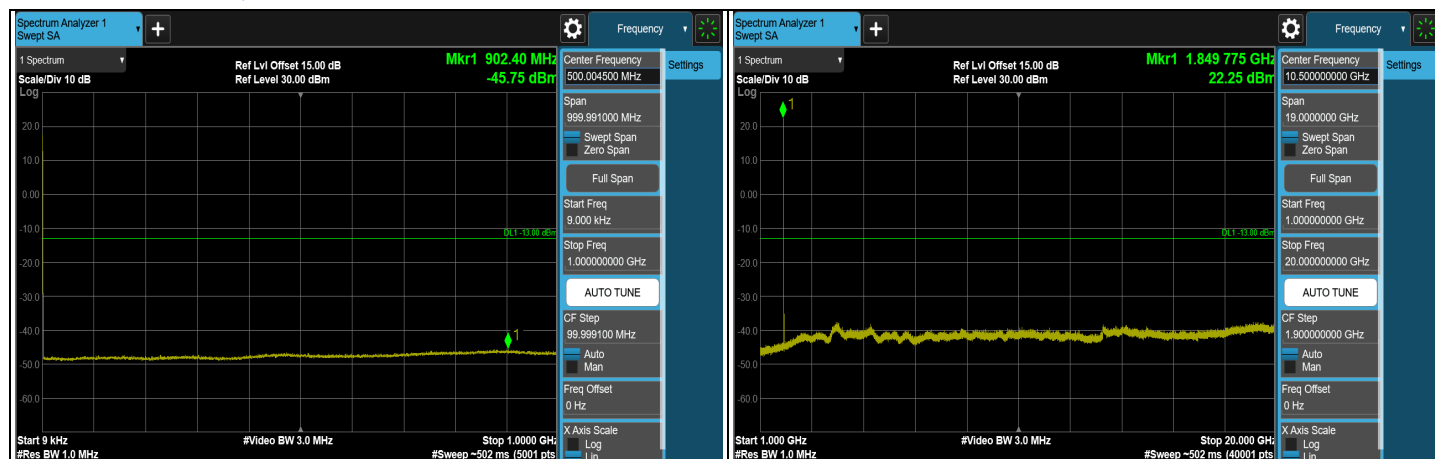
CH 370500 (1852.5 MHz)



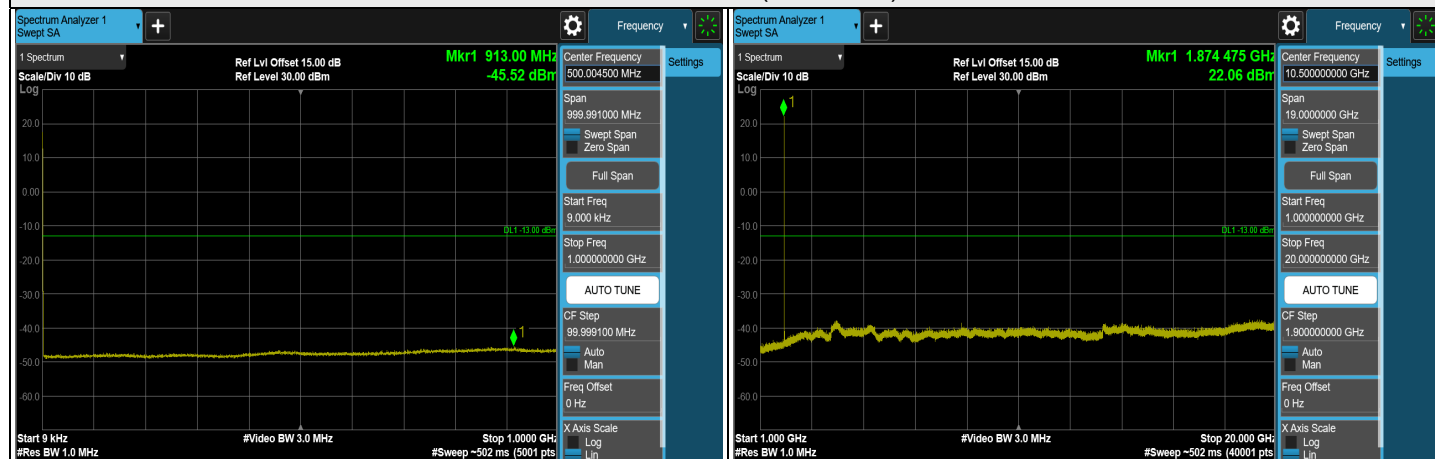
CH 381500 (1907.5 MHz)



NR n2 SCS 15 kHz, Channel Bandwidth: 10 MHz



Channel 371000 (1855 MHz)



Channel 376000 (1880 MHz)



Channel 381000 (1905 MHz)

Note: The signal at 9 kHz is IF signal from spectrum analyzer.

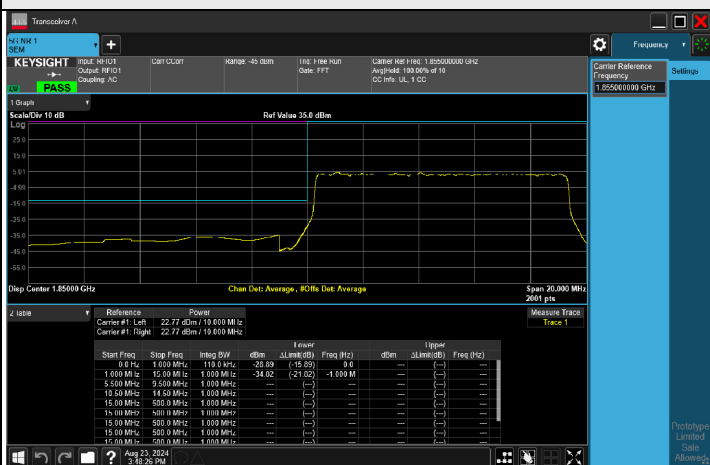
NR n2 SCS 15 kHz, Channel Bandwidth: 10 MHz

CH 371000 (1855 MHz)

1 RB

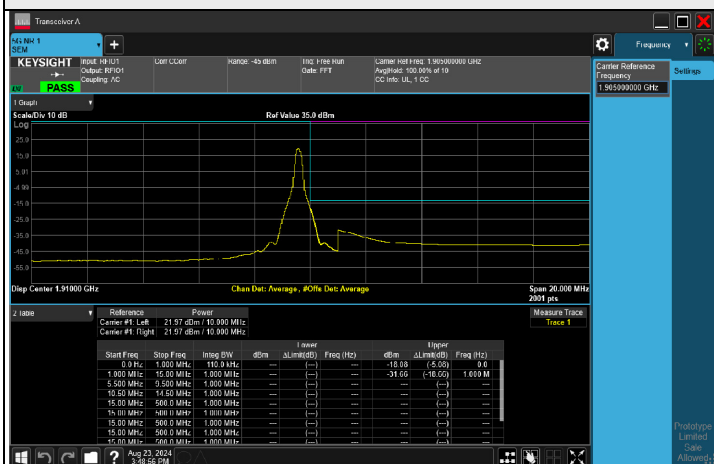


FULL RB



CH 381000 (1905 MHz)

1 RB



FULL RB

