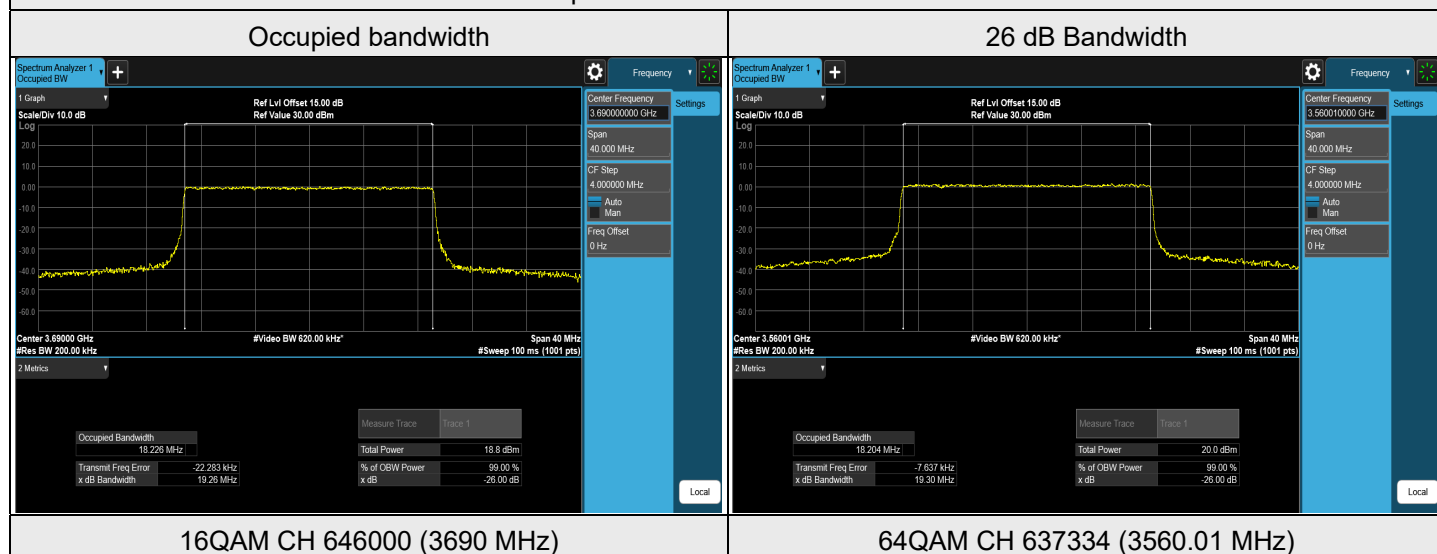


NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), MIMO-Ant. 0, Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	637334	3560.01	17.882	18.71
BPSK	641666	3624.99	17.868	18.77
BPSK	646000	3690	17.858	18.62
QPSK	637334	3560.01	18.215	19.29
QPSK	641666	3624.99	18.203	19.12
QPSK	646000	3690	18.212	19.20
16QAM	637334	3560.01	18.225	19.15
16QAM	641666	3624.99	18.222	19.05
16QAM	646000	3690	18.226	19.26
64QAM	637334	3560.01	18.204	19.30
64QAM	641666	3624.99	18.194	19.28
64QAM	646000	3690	18.207	19.21
256QAM	637334	3560.01	18.195	19.16
256QAM	641666	3624.99	18.200	19.11
256QAM	646000	3690	18.200	19.14

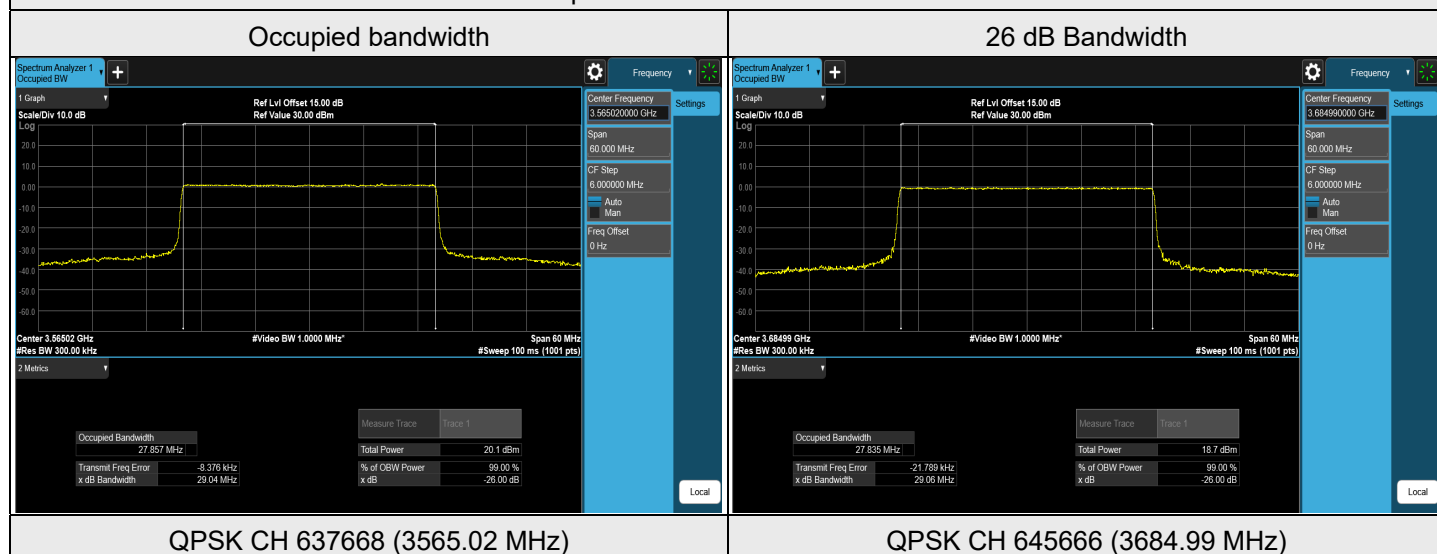
Spectrum Plot of Worst Value



NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), MIMO-Ant. 0, Channel Bandwidth: 30 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	637668	3565.02	26.804	27.88
BPSK	641666	3624.99	26.784	27.82
BPSK	645666	3684.99	26.789	27.83
QPSK	637668	3565.02	27.857	29.04
QPSK	641666	3624.99	27.837	29.03
QPSK	645666	3684.99	27.835	29.06
16QAM	637668	3565.02	27.843	28.99
16QAM	641666	3624.99	27.827	28.99
16QAM	645666	3684.99	27.803	28.96
64QAM	637668	3565.02	27.852	28.94
64QAM	641666	3624.99	27.830	28.95
64QAM	645666	3684.99	27.834	28.92
256QAM	637668	3565.02	27.853	28.92
256QAM	641666	3624.99	27.836	28.91
256QAM	645666	3684.99	27.842	28.86

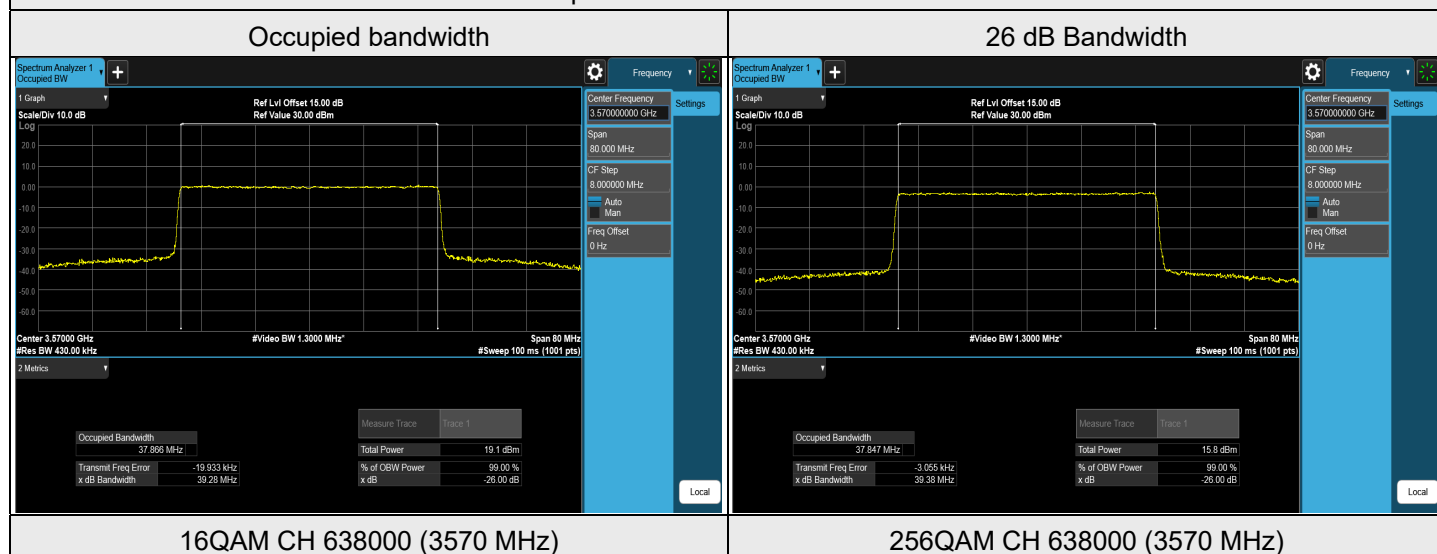
Spectrum Plot of Worst Value



NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), MIMO-Ant. 0, Channel Bandwidth: 40 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	638000	3570	35.771	37.10
BPSK	641666	3624.99	35.748	37.17
BPSK	645332	3679.98	35.770	37.14
QPSK	638000	3570	37.849	39.26
QPSK	641666	3624.99	37.843	39.32
QPSK	645332	3679.98	37.844	39.26
16QAM	638000	3570	37.866	39.28
16QAM	641666	3624.99	37.836	39.26
16QAM	645332	3679.98	37.848	39.28
64QAM	638000	3570	37.847	39.29
64QAM	641666	3624.99	37.836	39.30
64QAM	645332	3679.98	37.842	39.28
256QAM	638000	3570	37.847	39.38
256QAM	641666	3624.99	37.838	39.33
256QAM	645332	3679.98	37.848	39.31

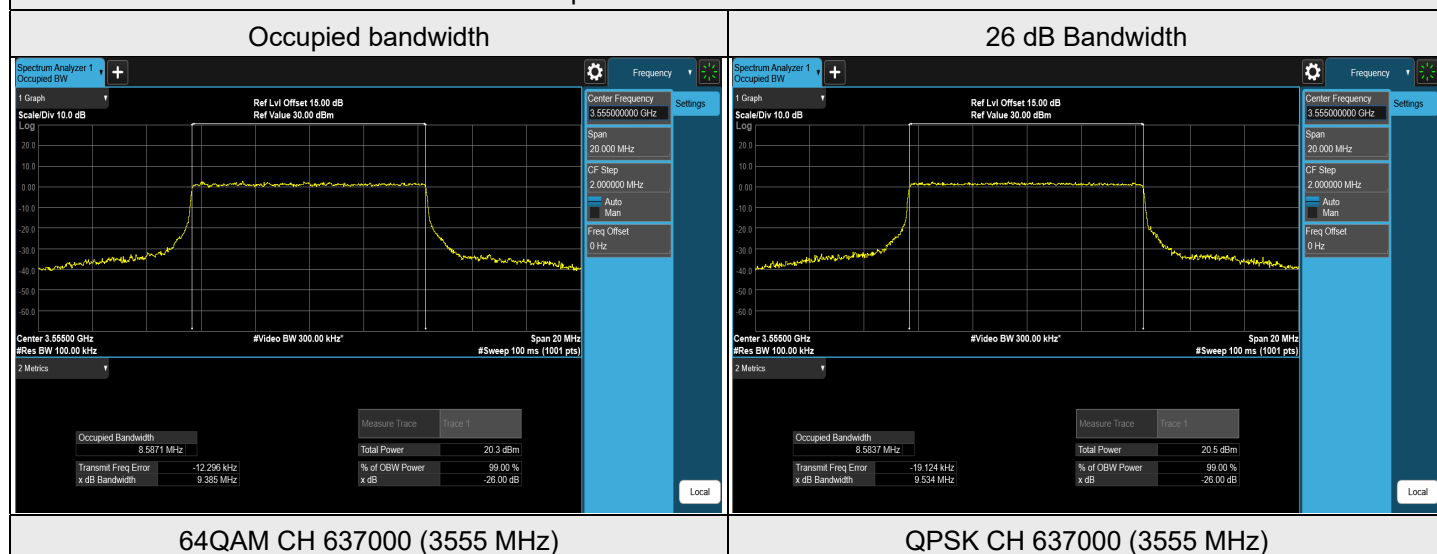
Spectrum Plot of Worst Value



NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), MIMO-Ant. 1, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	637000	3555	8.5824	9.343
BPSK	641666	3624.99	8.5721	9.235
BPSK	646332	3694.98	8.5775	9.213
QPSK	637000	3555	8.5837	9.534
QPSK	641666	3624.99	8.5745	9.458
QPSK	646332	3694.98	8.5763	9.497
16QAM	637000	3555	8.5775	9.415
16QAM	641666	3624.99	8.5804	9.297
16QAM	646332	3694.98	8.5861	9.379
64QAM	637000	3555	8.5871	9.385
64QAM	641666	3624.99	8.5782	9.384
64QAM	646332	3694.98	8.5817	9.395
256QAM	637000	3555	8.5734	9.348
256QAM	641666	3624.99	8.5623	9.164
256QAM	646332	3694.98	8.5691	9.341

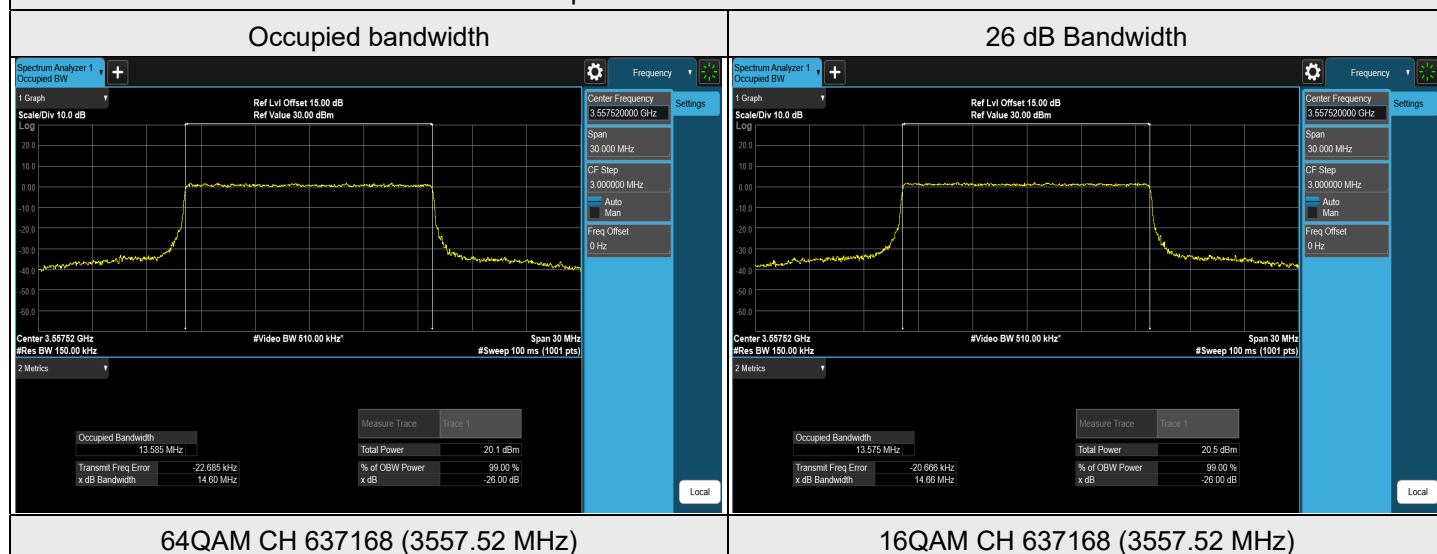
Spectrum Plot of Worst Value



NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), MIMO-Ant. 1, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	637168	3557.52	12.884	13.65
BPSK	641666	3624.99	12.844	13.56
BPSK	646166	3692.49	12.884	13.71
QPSK	637168	3557.52	13.571	14.50
QPSK	641666	3624.99	13.566	14.49
QPSK	646166	3692.49	13.566	14.45
16QAM	637168	3557.52	13.575	14.66
16QAM	641666	3624.99	13.571	14.60
16QAM	646166	3692.49	13.570	14.52
64QAM	637168	3557.52	13.585	14.60
64QAM	641666	3624.99	13.584	14.41
64QAM	646166	3692.49	13.583	14.65
256QAM	637168	3557.52	13.578	14.51
256QAM	641666	3624.99	13.581	14.48
256QAM	646166	3692.49	13.570	14.45

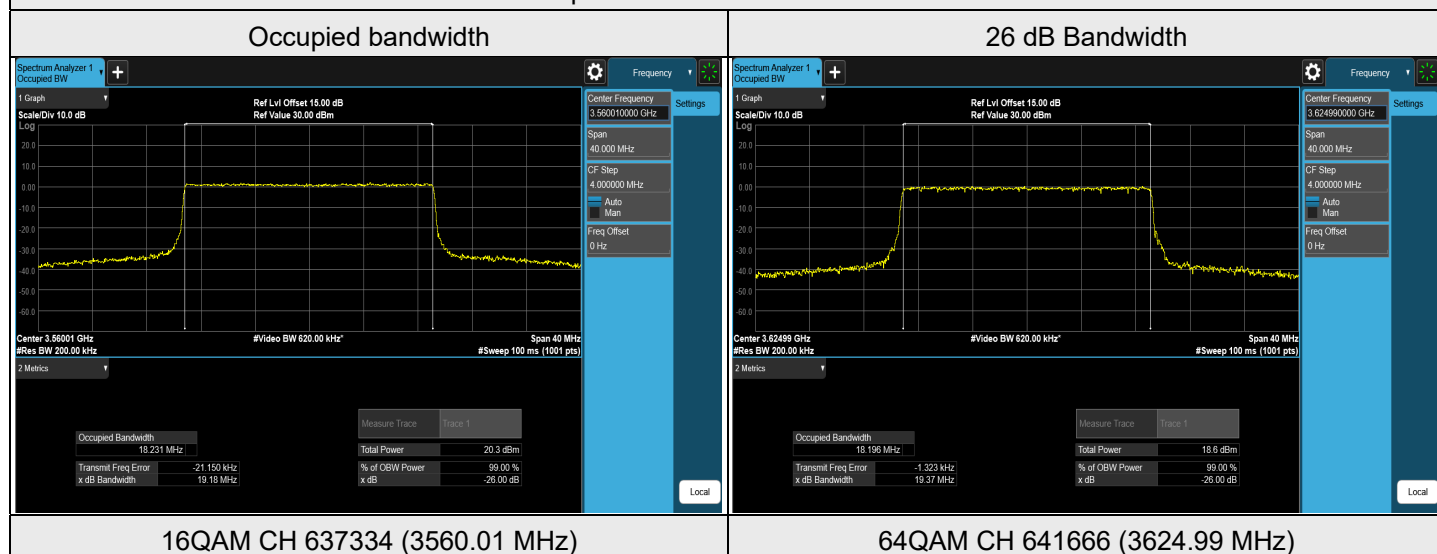
Spectrum Plot of Worst Value



NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), MIMO-Ant. 1, Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	637334	3560.01	17.879	18.74
BPSK	641666	3624.99	17.878	18.63
BPSK	646000	3690	17.871	18.60
QPSK	637334	3560.01	18.214	19.28
QPSK	641666	3624.99	18.210	19.16
QPSK	646000	3690	18.215	19.23
16QAM	637334	3560.01	18.231	19.18
16QAM	641666	3624.99	18.218	19.08
16QAM	646000	3690	18.224	19.19
64QAM	637334	3560.01	18.208	19.28
64QAM	641666	3624.99	18.196	19.37
64QAM	646000	3690	18.203	19.22
256QAM	637334	3560.01	18.206	19.14
256QAM	641666	3624.99	18.193	19.14
256QAM	646000	3690	18.197	19.19

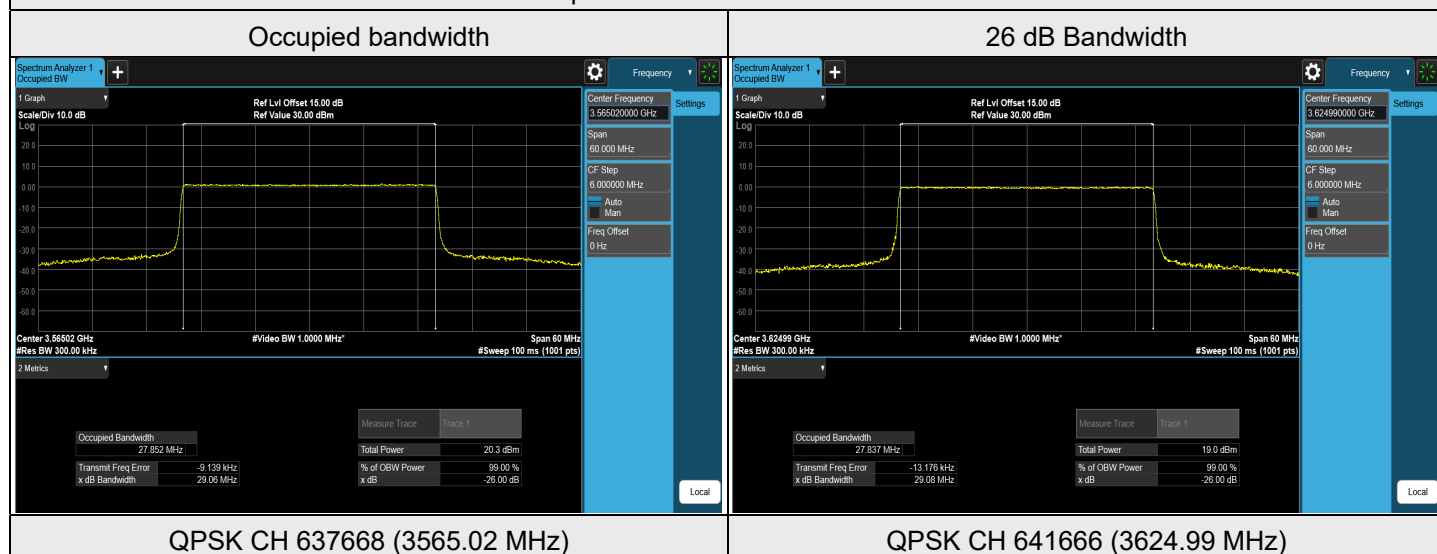
Spectrum Plot of Worst Value



NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), MIMO-Ant. 1, Channel Bandwidth: 30 MHz

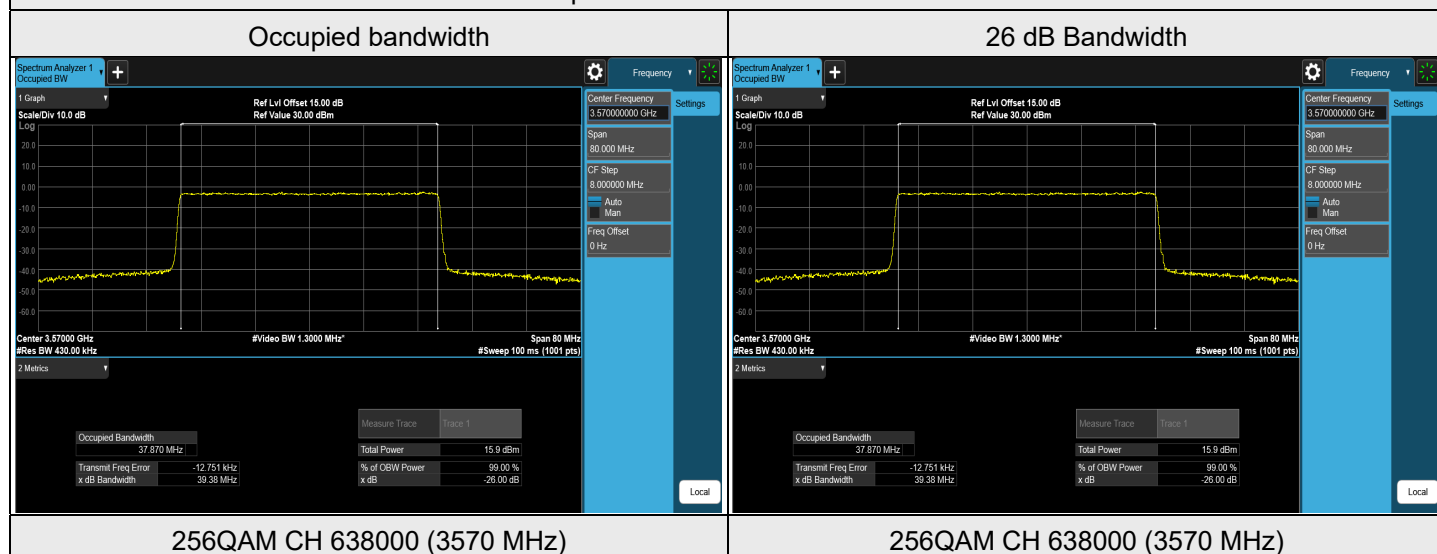
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	637668	3565.02	26.808	27.89
BPSK	641666	3624.99	26.795	27.91
BPSK	645666	3684.99	26.802	27.87
QPSK	637668	3565.02	27.852	29.06
QPSK	641666	3624.99	27.837	29.08
QPSK	645666	3684.99	27.841	28.90
16QAM	637668	3565.02	27.841	28.96
16QAM	641666	3624.99	27.836	28.91
16QAM	645666	3684.99	27.829	28.95
64QAM	637668	3565.02	27.845	28.93
64QAM	641666	3624.99	27.842	28.96
64QAM	645666	3684.99	27.775	28.92
256QAM	637668	3565.02	27.852	28.92
256QAM	641666	3624.99	27.850	28.91
256QAM	645666	3684.99	27.849	28.91

Spectrum Plot of Worst Value



NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), MIMO-Ant. 1, Channel Bandwidth: 40 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	638000	3570	35.774	37.14
BPSK	641666	3624.99	35.760	37.14
BPSK	645332	3679.98	35.748	37.15
QPSK	638000	3570	37.859	39.29
QPSK	641666	3624.99	37.838	39.38
QPSK	645332	3679.98	37.833	39.28
16QAM	638000	3570	37.859	39.28
16QAM	641666	3624.99	37.847	39.28
16QAM	645332	3679.98	37.839	39.30
64QAM	638000	3570	37.850	39.33
64QAM	641666	3624.99	37.849	39.29
64QAM	645332	3679.98	37.836	39.27
256QAM	638000	3570	37.870	39.38
256QAM	641666	3624.99	37.846	39.33
256QAM	645332	3679.98	37.829	39.30

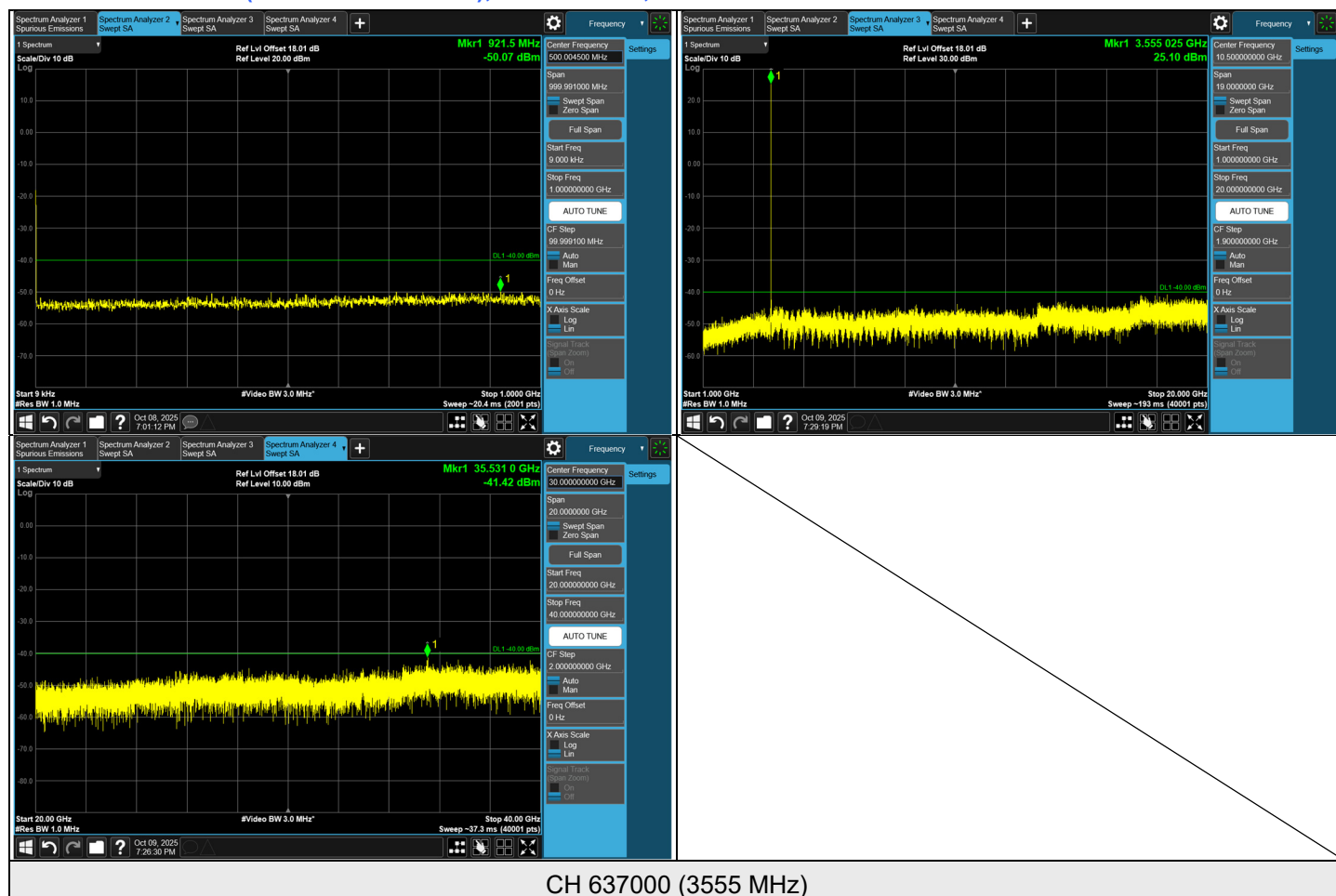
Spectrum Plot of Worst Value


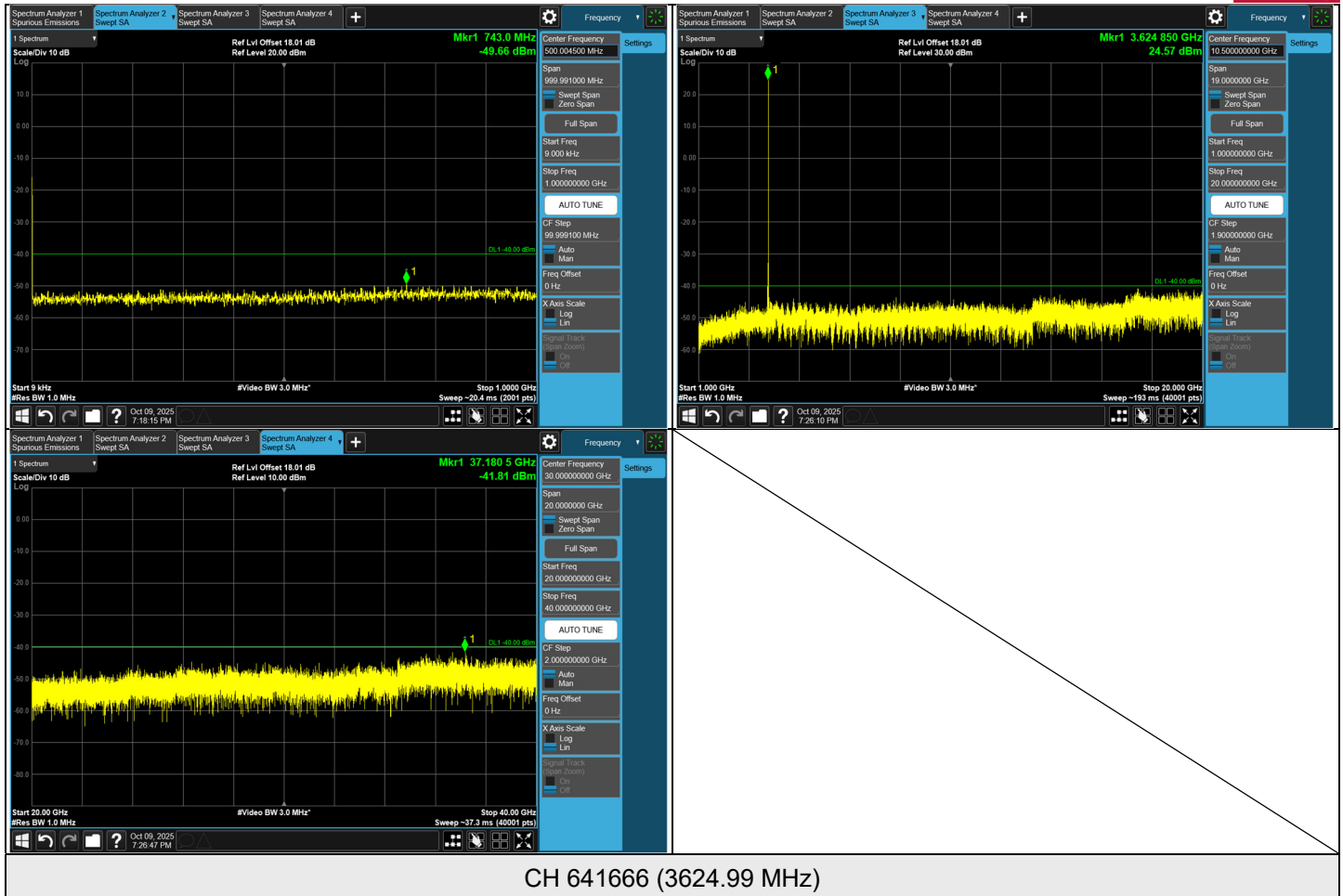
7.5 Conducted Spurious Emissions

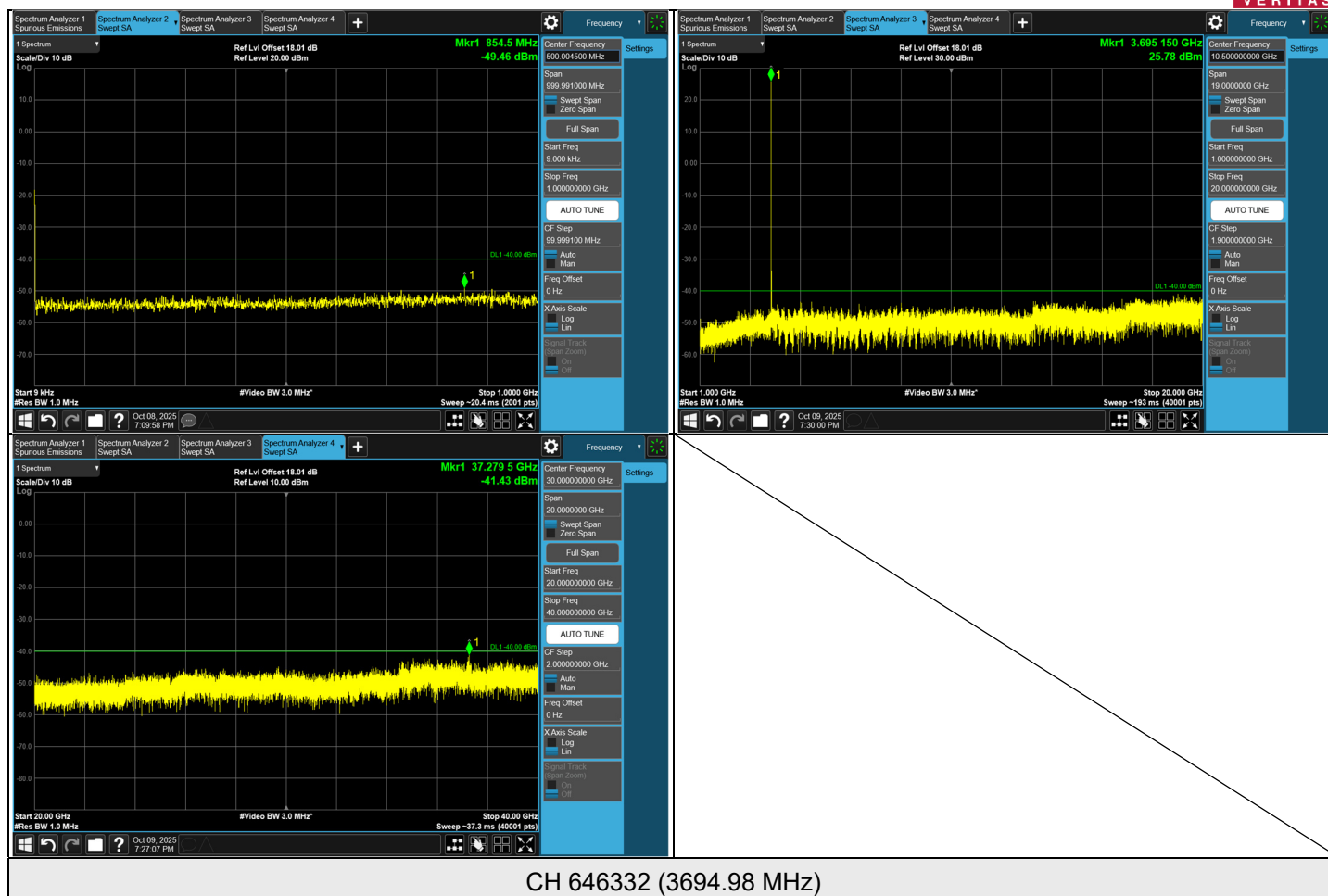
Input Power:	3.85 Vdc	Environmental Conditions:	23°C, 66% RH	Tested By:	James Yang
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7.5.1 NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz) - MIMO

NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), MIMO-Ant. 0, Channel Bandwidth: 10 MHz







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

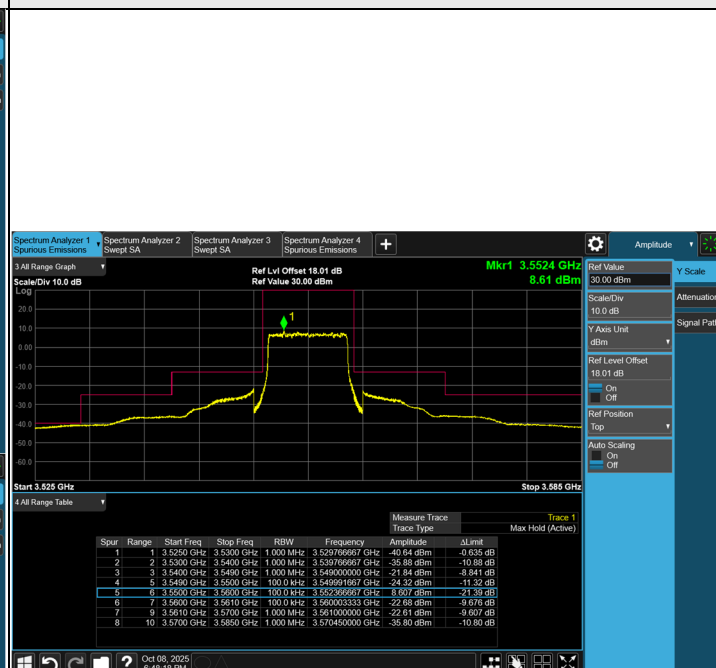
NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), MIMO-Ant. 0, Channel Bandwidth: 10 MHz

CH 637000 (3555 MHz)

1 RB

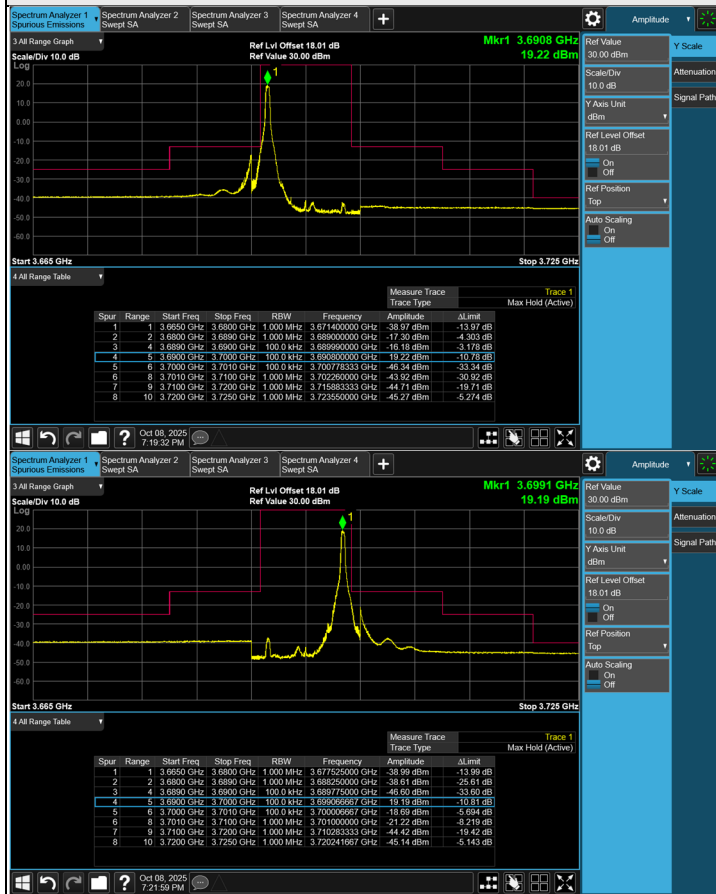


FULL RB

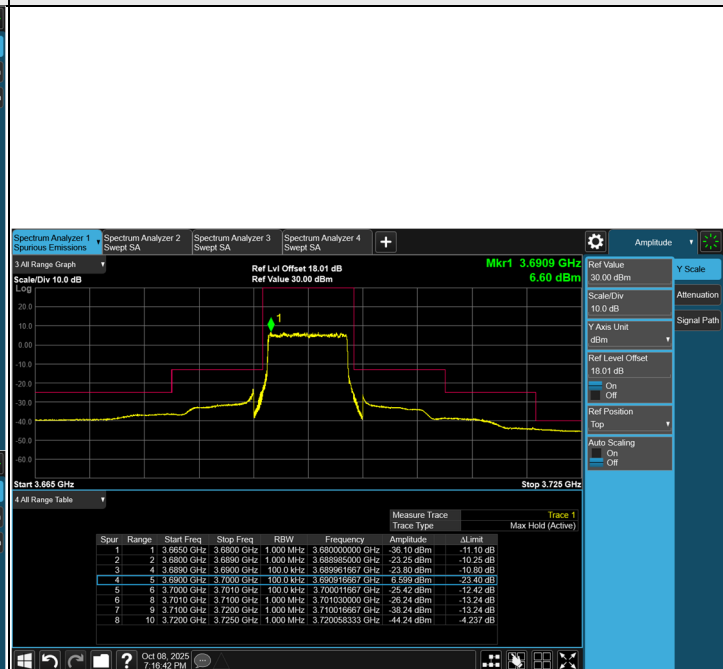


CH 646332 (3694.98 MHz)

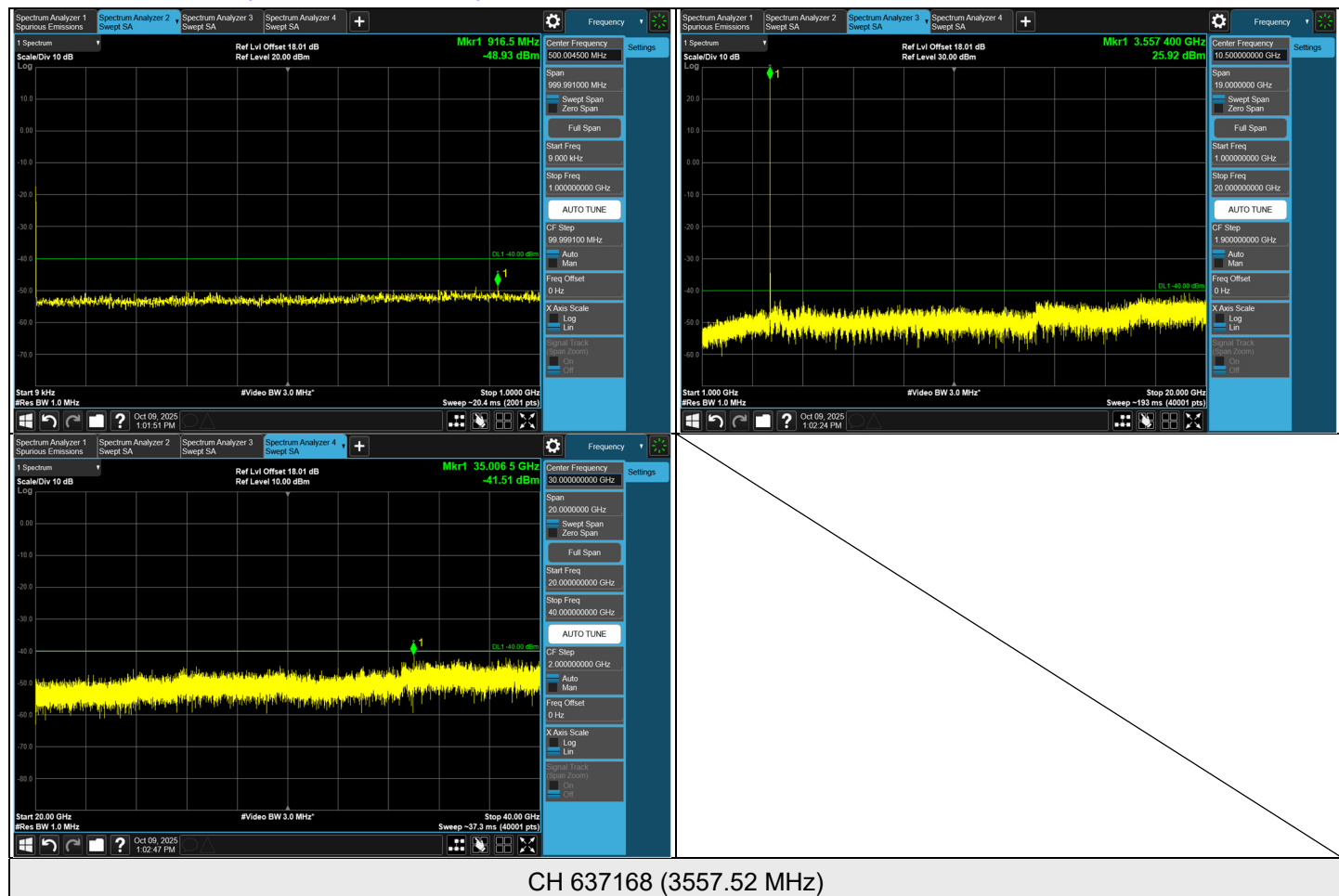
1 RB

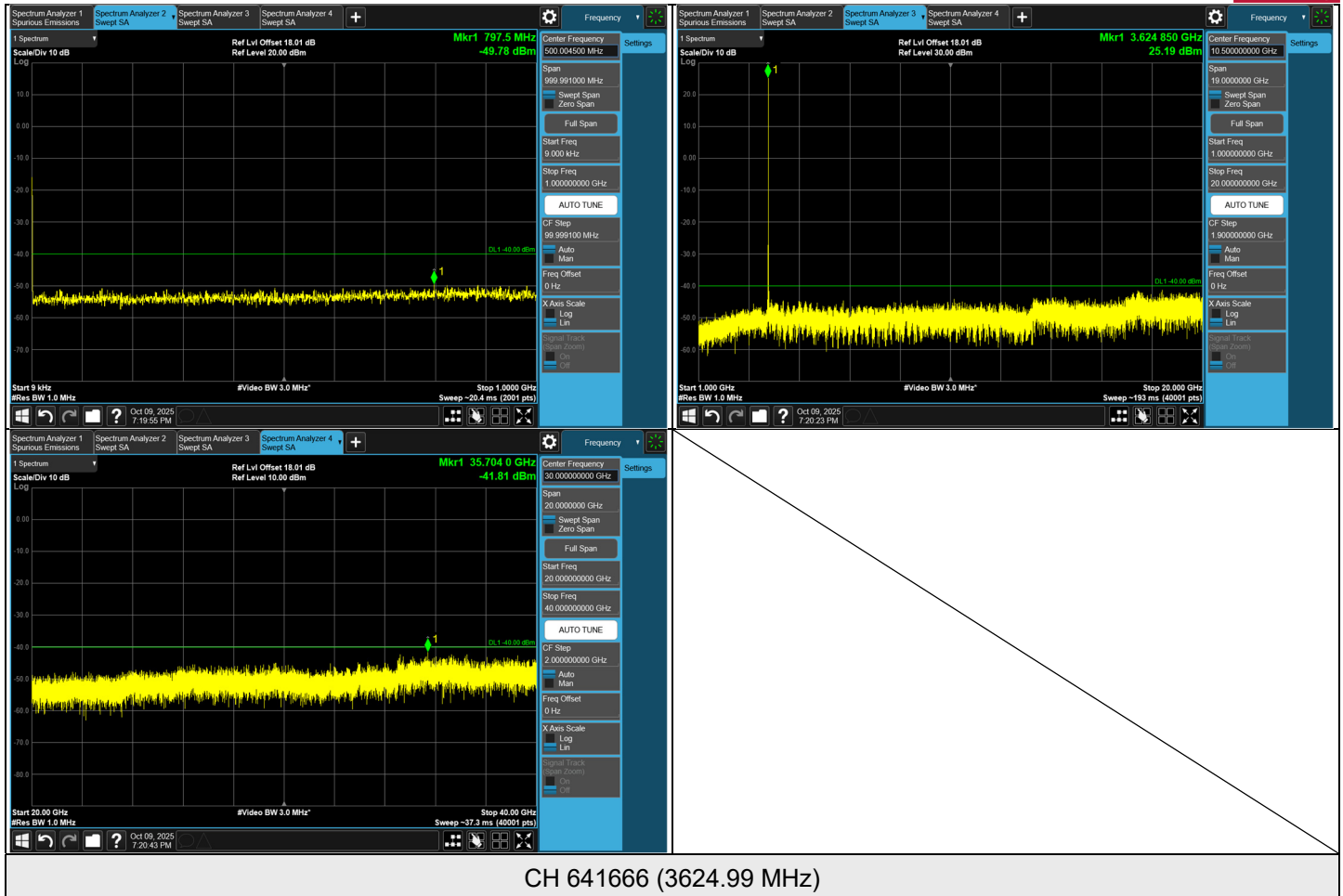


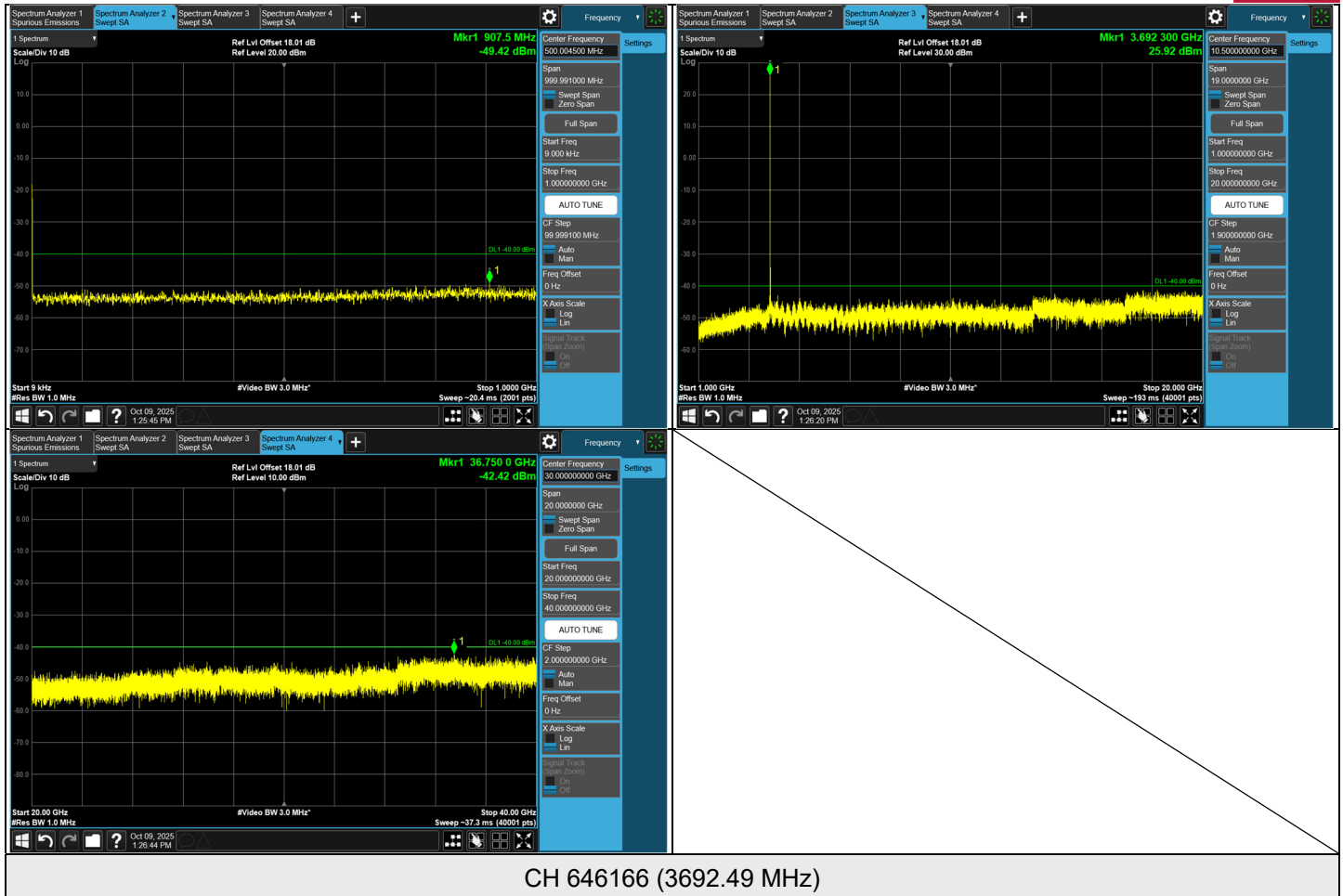
FULL RB



NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz), MIMO-Ant. 0, Channel Bandwidth: 15 MHz







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