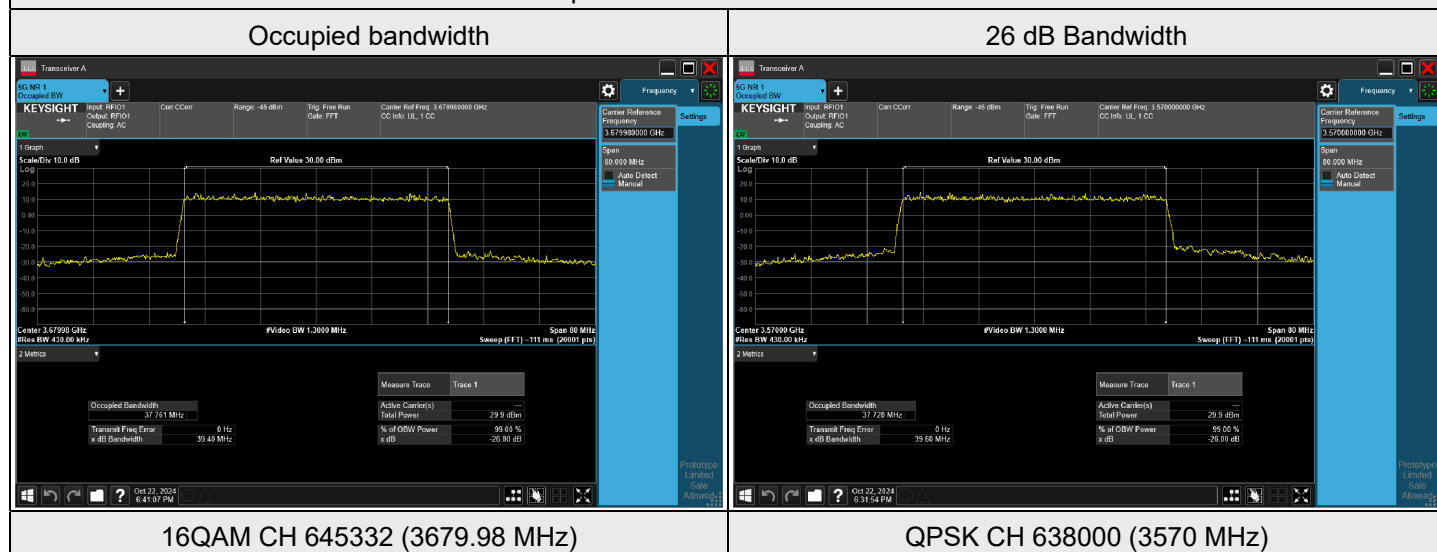


NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz) - MIMO-Ant. 1, Channel Bandwidth: 40 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	638000	3570	37.538	37.48
BPSK	641666	3624.99	37.563	37.46
BPSK	645332	3679.98	37.537	37.34
QPSK	638000	3570	37.728	39.60
QPSK	641666	3624.99	37.730	39.58
QPSK	645332	3679.98	37.699	39.46
16QAM	638000	3570	37.753	39.52
16QAM	641666	3624.99	37.739	39.33
16QAM	645332	3679.98	37.761	39.40
64QAM	638000	3570	37.697	39.33
64QAM	641666	3624.99	37.683	39.40
64QAM	645332	3679.98	37.680	39.49
256QAM	638000	3570	37.761	39.46
256QAM	641666	3624.99	37.673	39.59
256QAM	645332	3679.98	37.600	39.42

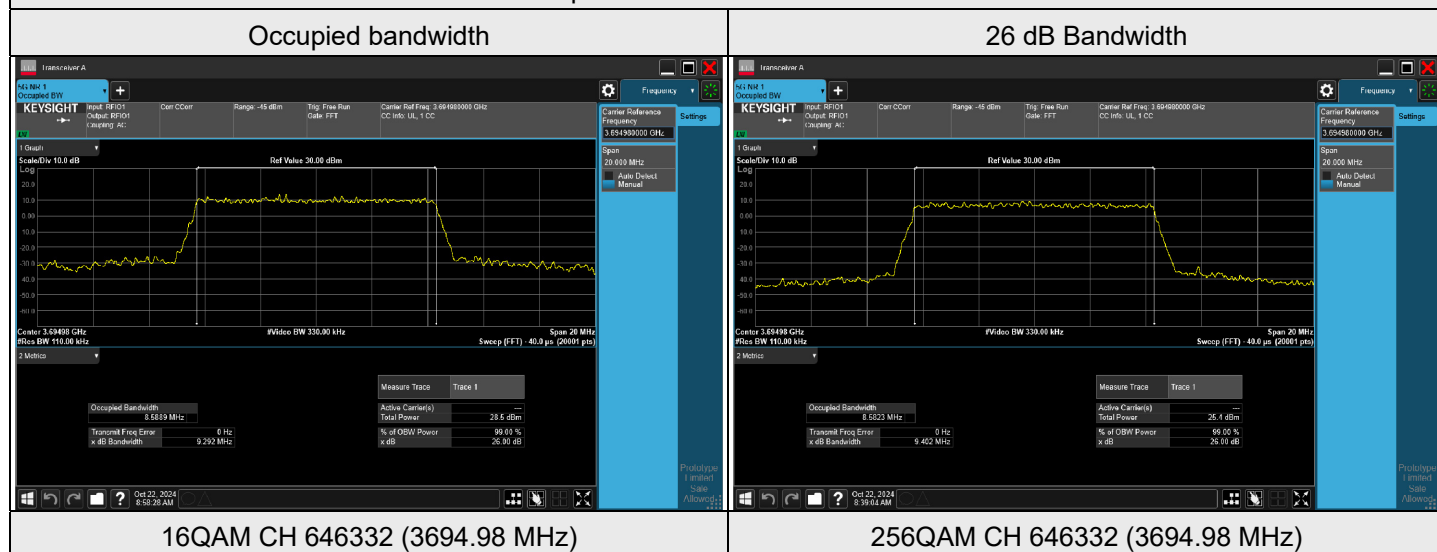
Spectrum Plot of Worst Value



NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz) - MIMO-Ant. 4, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	637000	3555	8.5550	9.256
BPSK	641666	3624.99	8.5486	9.236
BPSK	646332	3694.98	8.5527	9.254
QPSK	637000	3555	8.5624	9.262
QPSK	641666	3624.99	8.5550	9.277
QPSK	646332	3694.98	8.5647	9.279
16QAM	637000	3555	8.5548	9.207
16QAM	641666	3624.99	8.5865	9.348
16QAM	646332	3694.98	8.5889	9.292
64QAM	637000	3555	8.5527	9.218
64QAM	641666	3624.99	8.5567	9.225
64QAM	646332	3694.98	8.5508	9.207
256QAM	637000	3555	8.5806	9.354
256QAM	641666	3624.99	8.5763	9.258
256QAM	646332	3694.98	8.5823	9.402

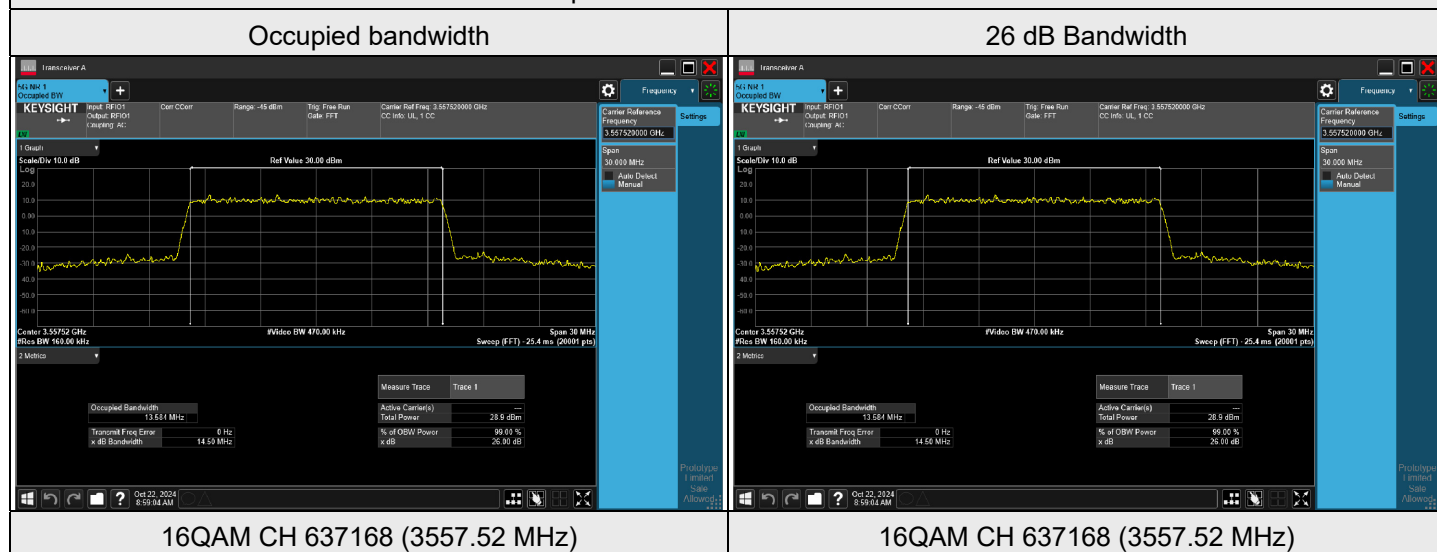
Spectrum Plot of Worst Value



NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz) - MIMO-Ant. 4, Channel Bandwidth: 15 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	637168	3557.52	13.447	13.63
BPSK	641666	3624.99	13.458	13.66
BPSK	646166	3692.49	13.435	13.68
QPSK	637168	3557.52	13.543	14.24
QPSK	641666	3624.99	13.557	14.40
QPSK	646166	3692.49	13.531	14.34
16QAM	637168	3557.52	13.584	14.50
16QAM	641666	3624.99	13.567	14.44
16QAM	646166	3692.49	13.516	14.33
64QAM	637168	3557.52	13.518	14.42
64QAM	641666	3624.99	13.516	14.36
64QAM	646166	3692.49	13.516	14.42
256QAM	637168	3557.52	13.558	14.36
256QAM	641666	3624.99	13.513	14.32
256QAM	646166	3692.49	13.527	14.36

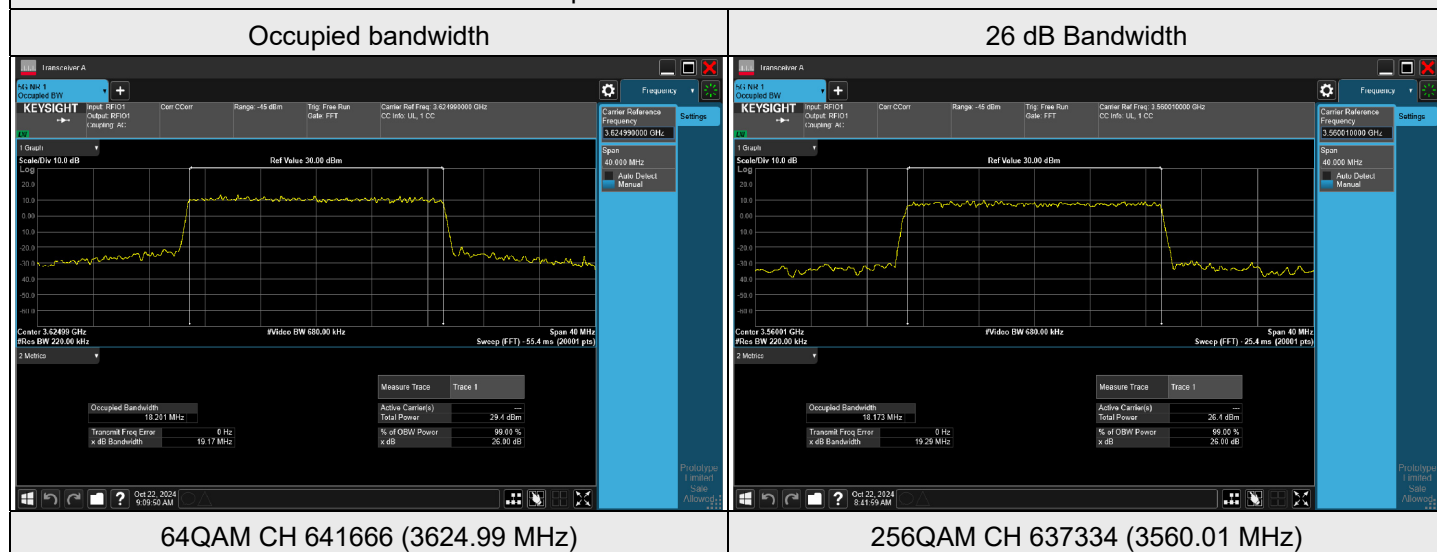
Spectrum Plot of Worst Value



NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz) - MIMO-Ant. 4, Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	637334	3560.01	17.961	18.83
BPSK	641666	3624.99	17.952	18.71
BPSK	646000	3690	17.957	18.82
QPSK	637334	3560.01	18.128	19.28
QPSK	641666	3624.99	18.136	19.03
QPSK	646000	3690	18.149	19.04
16QAM	637334	3560.01	18.169	19.18
16QAM	641666	3624.99	18.169	19.14
16QAM	646000	3690	18.161	19.19
64QAM	637334	3560.01	18.165	19.21
64QAM	641666	3624.99	18.201	19.17
64QAM	646000	3690	18.173	19.15
256QAM	637334	3560.01	18.173	19.29
256QAM	641666	3624.99	18.166	19.28
256QAM	646000	3690	18.174	19.22

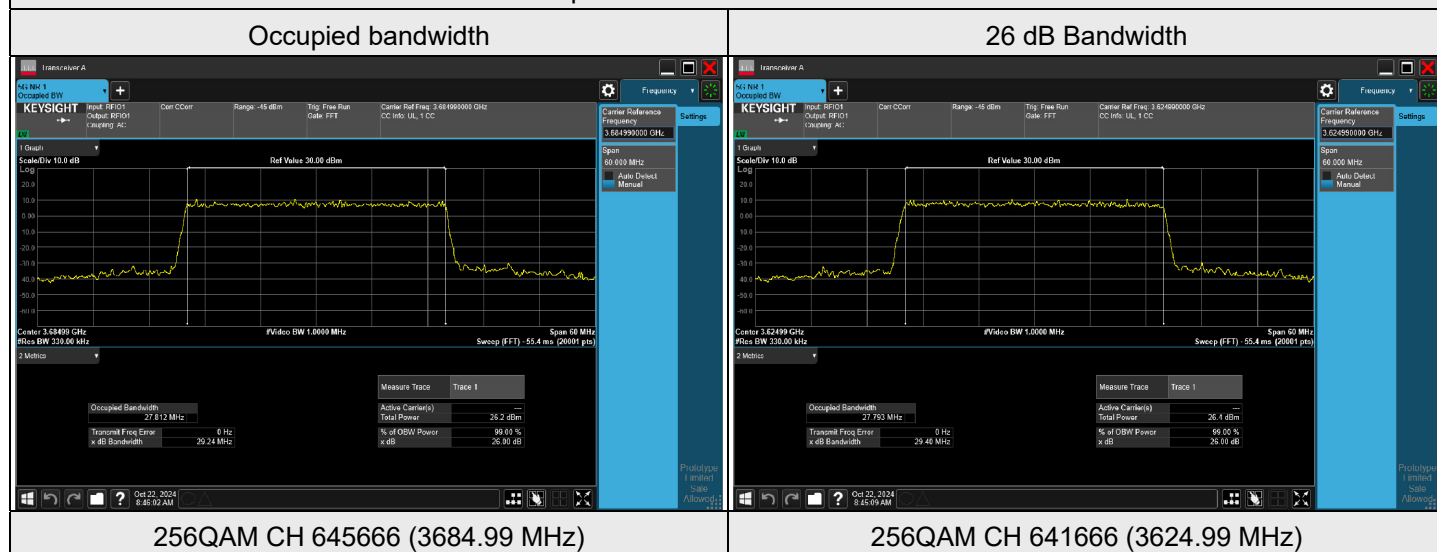
Spectrum Plot of Worst Value



NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz) - MIMO-Ant. 4, Channel Bandwidth: 30 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	637668	3565.02	27.480	28.20
BPSK	641666	3624.99	27.465	28.17
BPSK	645666	3684.99	27.451	28.18
QPSK	637668	3565.02	27.782	29.00
QPSK	641666	3624.99	27.763	29.15
QPSK	645666	3684.99	27.781	29.19
16QAM	637668	3565.02	27.786	29.25
16QAM	641666	3624.99	27.739	29.24
16QAM	645666	3684.99	27.757	29.24
64QAM	637668	3565.02	27.733	29.36
64QAM	641666	3624.99	27.734	29.18
64QAM	645666	3684.99	27.734	29.22
256QAM	637668	3565.02	27.732	29.07
256QAM	641666	3624.99	27.793	29.40
256QAM	645666	3684.99	27.812	29.24

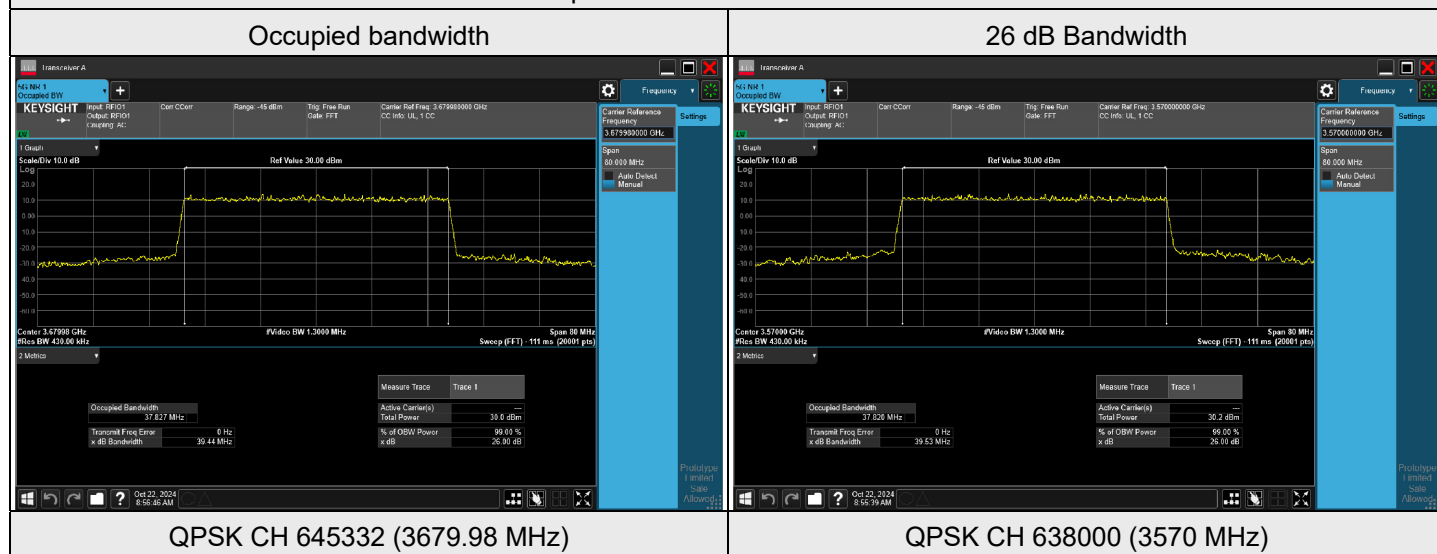
Spectrum Plot of Worst Value



NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz) - MIMO-Ant. 4, Channel Bandwidth: 40 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)	26 dB Bandwidth (MHz)
BPSK	638000	3570	37.385	37.33
BPSK	641666	3624.99	37.482	37.31
BPSK	645332	3679.98	37.457	37.22
QPSK	638000	3570	37.820	39.53
QPSK	641666	3624.99	37.825	39.45
QPSK	645332	3679.98	37.827	39.44
16QAM	638000	3570	37.810	39.44
16QAM	641666	3624.99	37.634	39.39
16QAM	645332	3679.98	37.706	39.42
64QAM	638000	3570	37.699	39.34
64QAM	641666	3624.99	37.691	39.45
64QAM	645332	3679.98	37.698	39.46
256QAM	638000	3570	37.707	39.34
256QAM	641666	3624.99	37.697	39.43
256QAM	645332	3679.98	37.676	39.40

Spectrum Plot of Worst Value

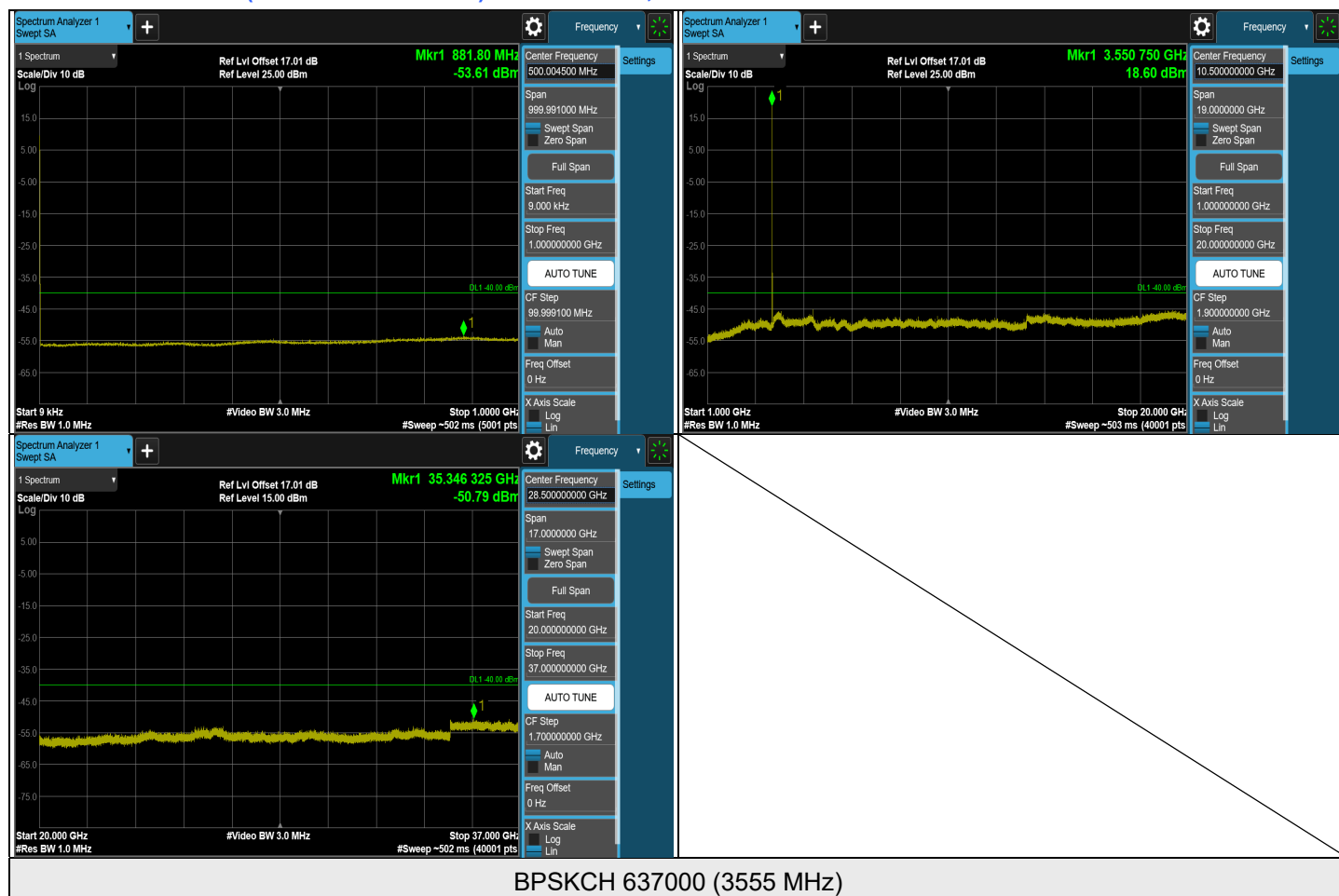


7.5 Conducted Spurious Emissions

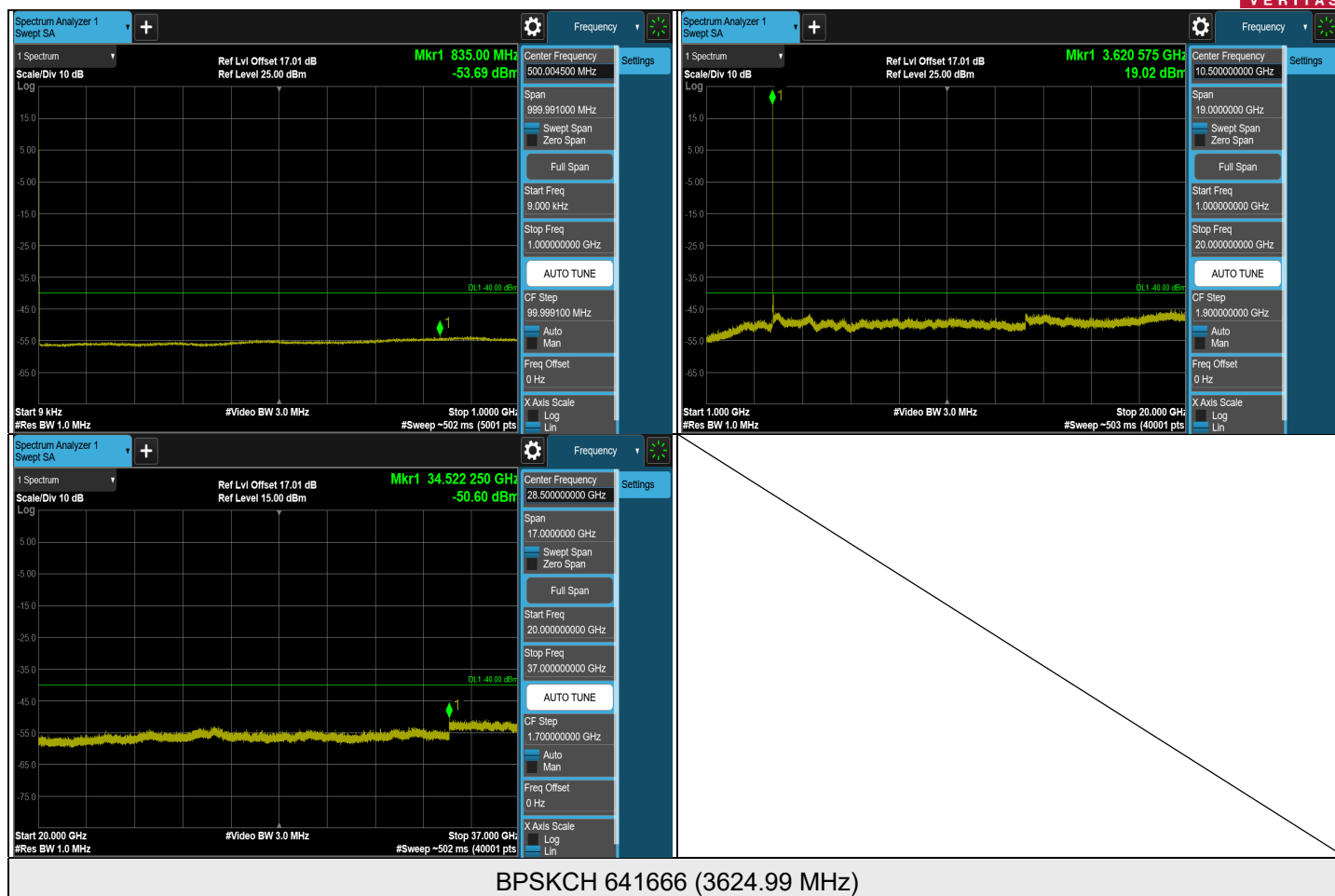
Input Power:	7.2 Vdc	Environmental Conditions:	22°C, 73% RH	Tested By:	James Yang
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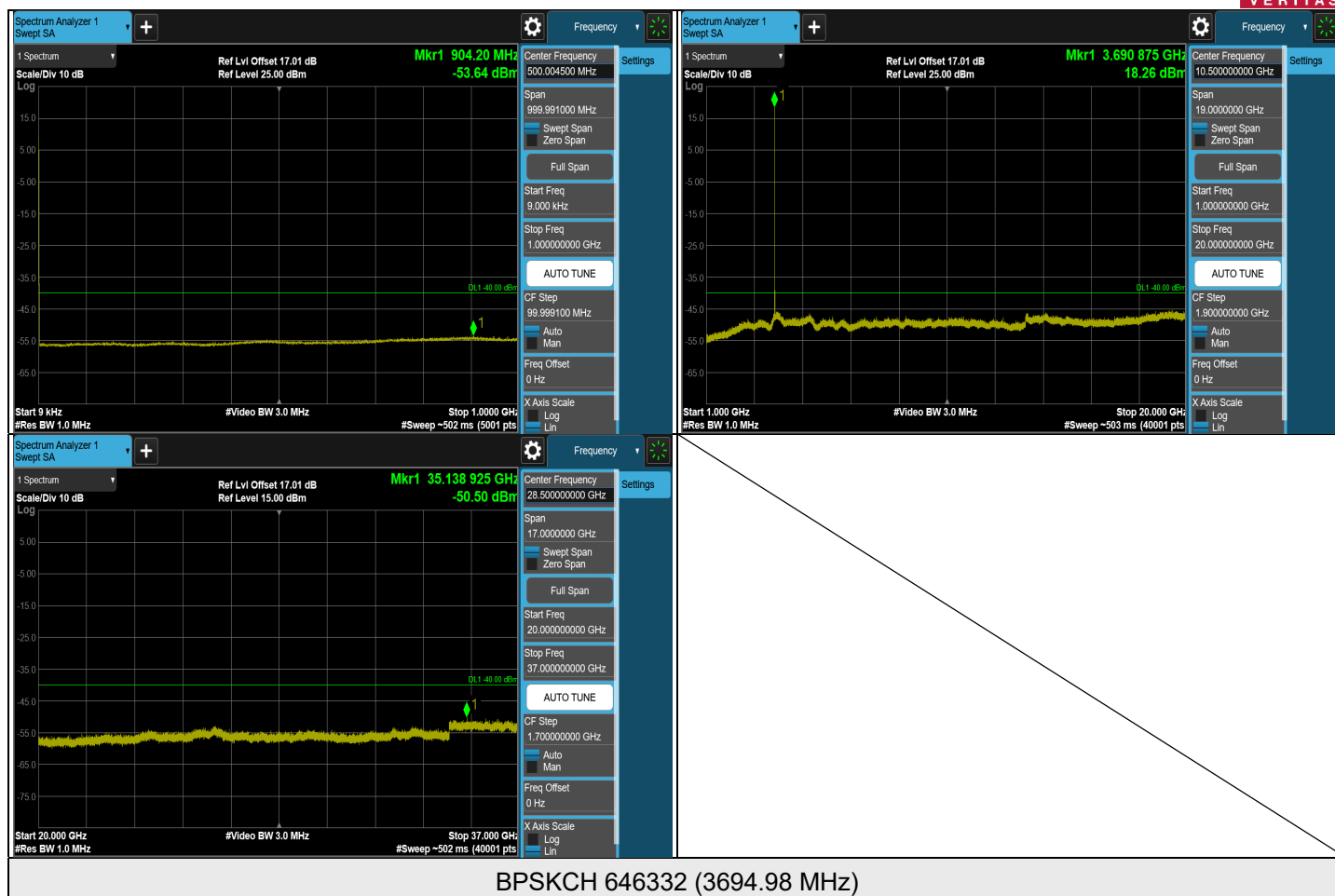
7.5.1 NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz)

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



BPSKCH 637000 (3555 MHz)





BPSKCH 646332 (3694.98 MHz)

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

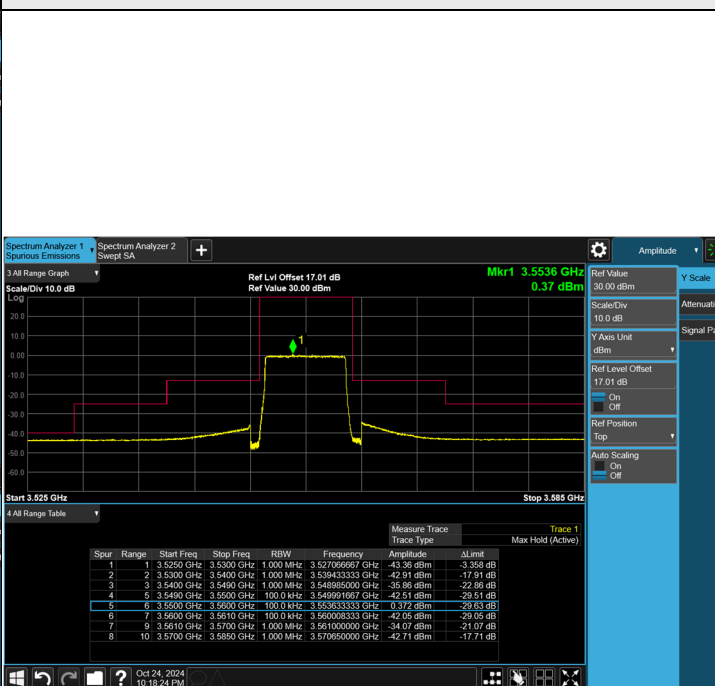
NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz) - MIMO-Ant 1, Channel Bandwidth: 10 MHz

CH 637000 (3555 MHz)

1 RB

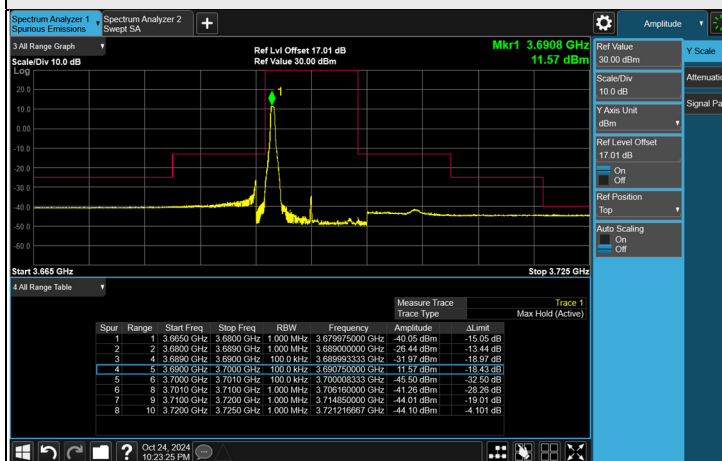


FULL RB

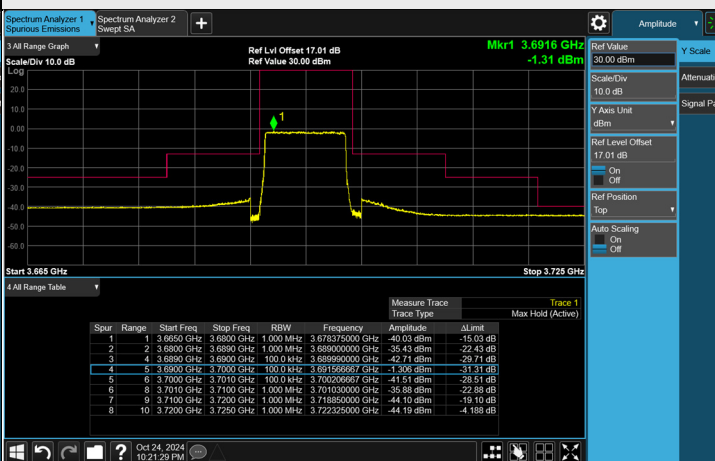


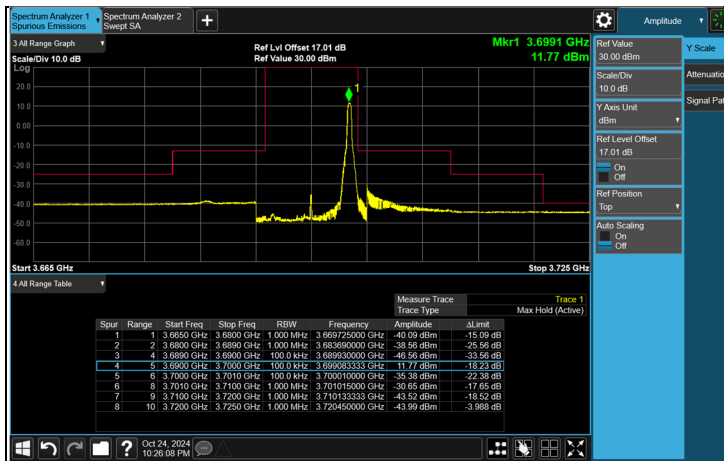
CH 646332 (3694.98 MHz)

1 RB

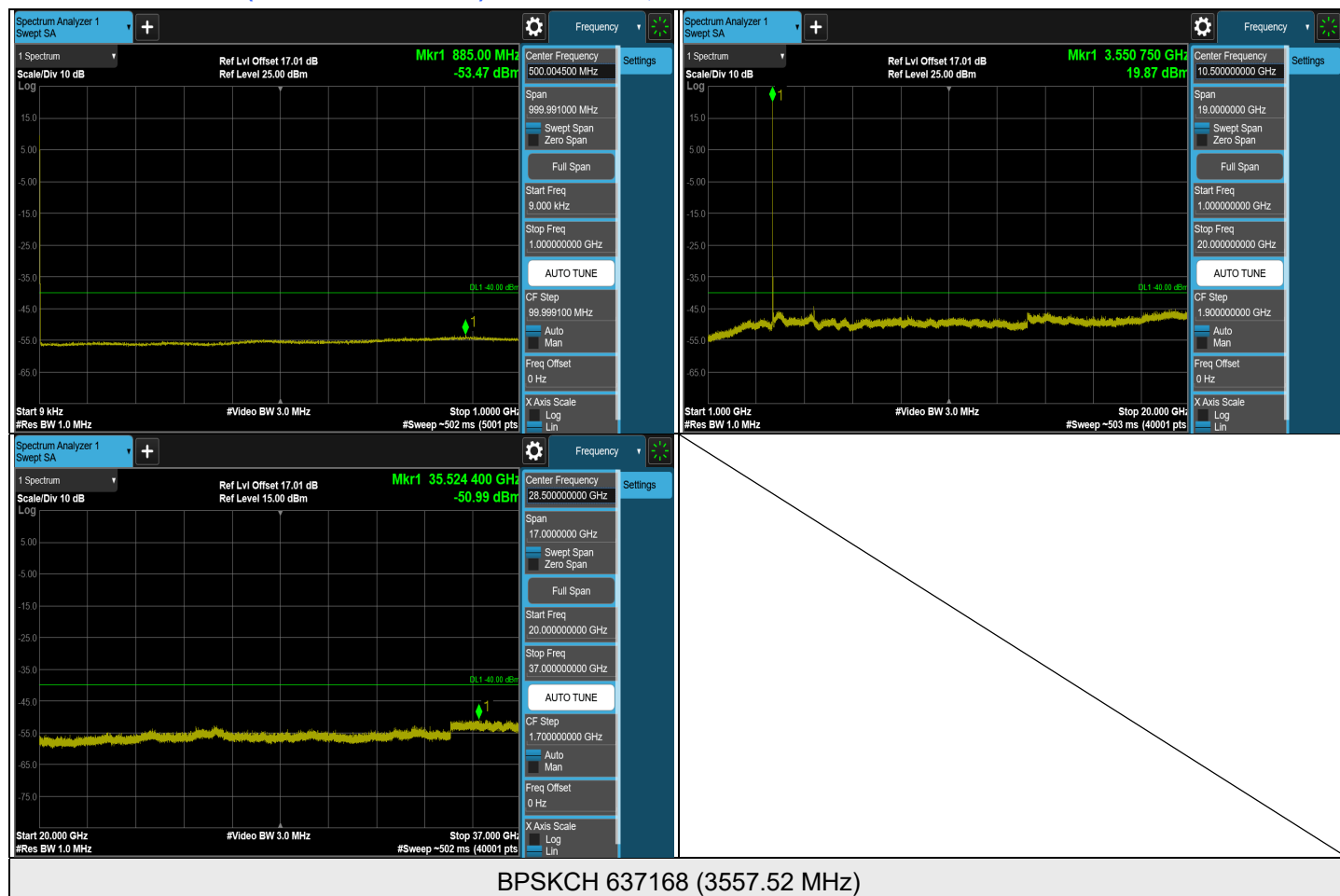


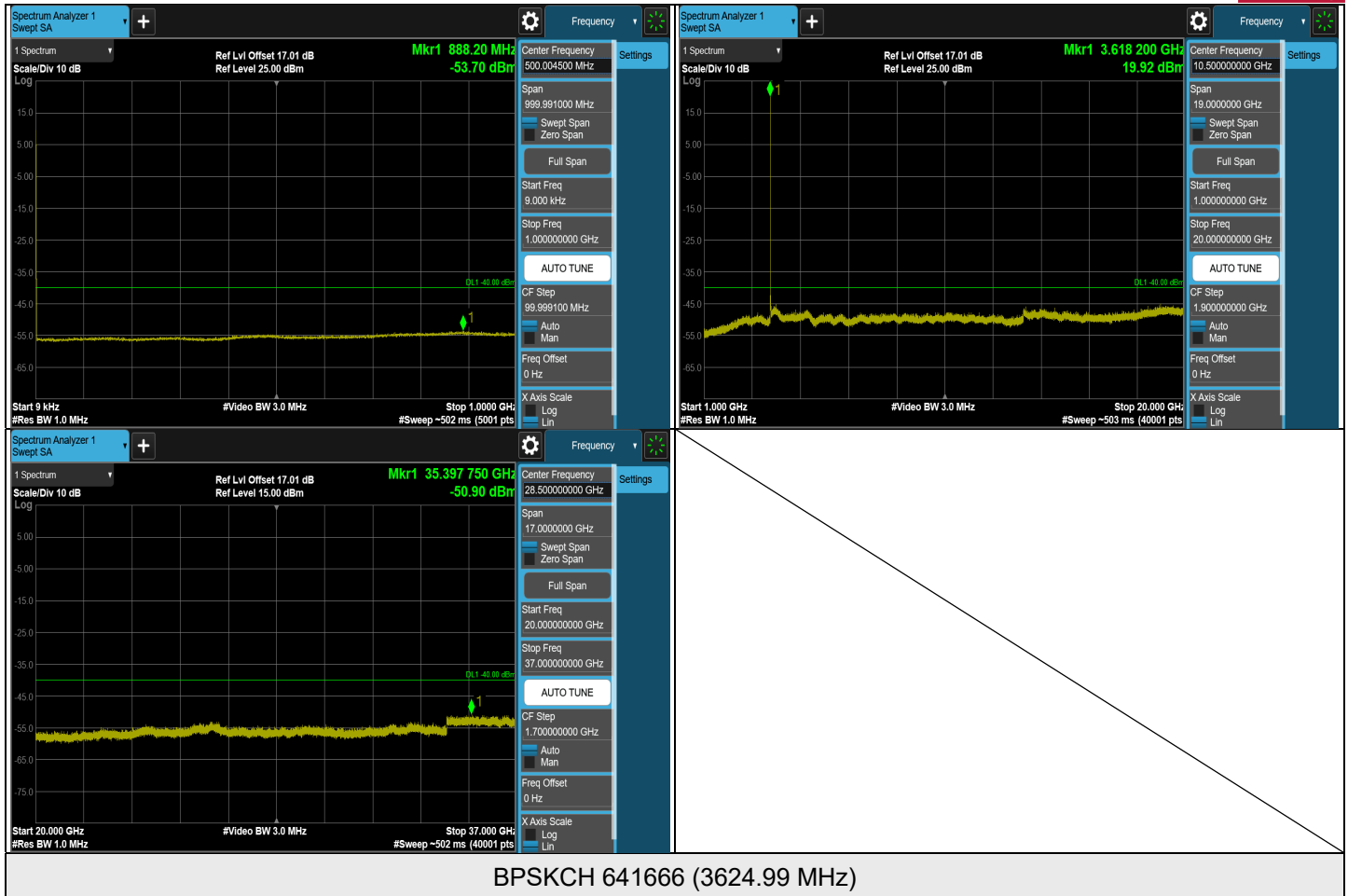
FULL RB

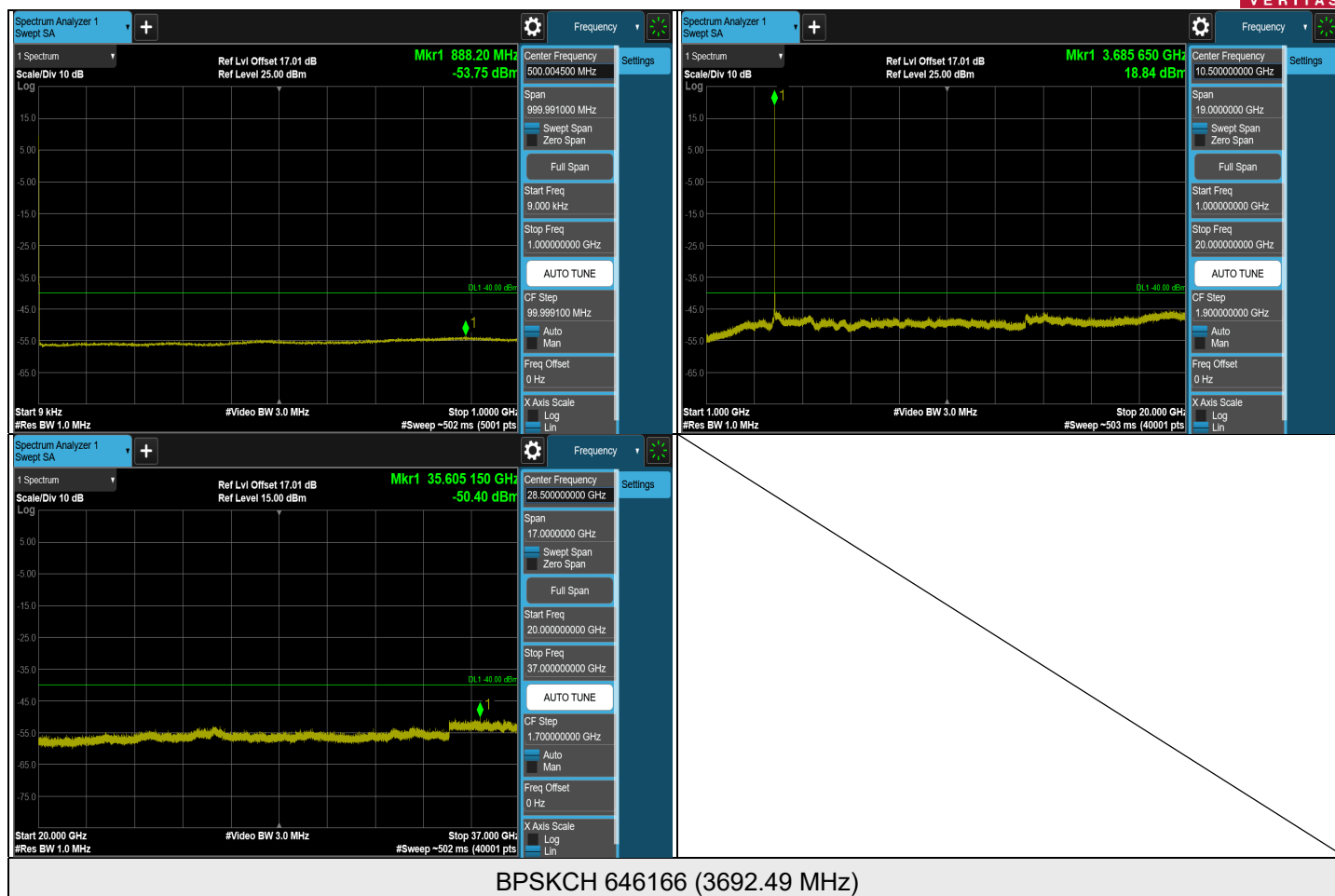




NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz) - MIMO-Ant 1, Channel Bandwidth: 15 MHz







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